EFDA–JET–PR(08)11

K.M. Aggarwal, F.P. Keenan, K.D. Lawson
and JET EFDA contributors

Electron Impact Excitation of Boron-Like Kr XXXII

Electron Impact Excitation of Boron-Like Kr XXXII

K.M. Aggarwal[1], F.P. Keenan[1], K.D. Lawson[2] and JET EFDA contributors*

JET-EFDA, Culham Science Centre, OX14 3DB, Abingdon, UK

Astrophysics Research Centre, School of Mathematics and Physics, Queen's University Belfast,
Belfast BT7 1NN, Northern Ireland, UK.
[2]EURATOM-UKAEA Fusion Association, Culham Science Centre, OX14 3DB, Abingdon, OXON, UK.
** See annex of M.L. Watkins et al, "Overview of JET Results ",*
(Proc. 21 st IAEA Fusion Energy Conference, Chengdu, China (2006)).

Preprint of Paper to be submitted for publication in
Atomic Data and Nuclear Data Tables

ABSTRACT.
Collision strengths (Ω) have been calculated for all 7750 transitions among the lowest 125 levels belonging to the $2s^22p$, $2s2p^2$, $2p^3$, $2s^23l$, $2s2p3l$ and $2p^23l$ configurations of boron-like Kr XXXII, for which the Dirac Atomic R-matrix Code (DARC) has been adopted. All partial waves with angular momentum $J \leq 40$ have been included, sufficient for the convergence of Ω for forbidden transitions. For allowed transitions a top-up has been included in order to obtain converged values of Ω up to an energy of 500 Ryd. Resonances in the thresholds region have been resolved in a narrow energy mesh, and results for effective collision strengths (ϒ) have been obtained after averaging the values of Ω over a Maxwellian distribution of electron velocities. Values of ϒ are reported over a wide temperature range below $10^{7.3}$ K, and the accuracy of the results is assessed. Values of ϒ are also listed in the temperature range of $7.3 \leq \log T_e\,(K) \leq 9.0$, obtained from the non-resonant collision strengths from the FAC code.

1. INTRODUCTION

Krypton is used in a variety of experiments in tokamak fusion plasmas, as well as having diagnostic applications. Furthermore, their high temperatures (> 10^7 K) give rise to many of its ionisation stages. Therefore, in view of the forthcoming ITER project, atomic data (namely energy levels, oscillator strengths or radiative decay rates, collision strengths, etc.) are required for many ions in order to estimate the power loss from the impurities. Additionally, diagnostic experiments for several Kr ions (XXXII-XXVIII) are in progress at the JET-EFDA facility, because spectral line intensity ratios, particularly in the XUV region, may be useful in diagnosing alpha particles produced in a burning DT plasma.With this in view, in a recent paper [1] we reported energy levels, lifetimes, and radiative rates for four types of transitions, namely electric dipole (E1), electric quadrupole (E2), magnetic dipole (M1), and magnetic quadrupole (M2) for five Kr ions (Kr XXXII - Kr XXVIII). In this paper we report our results for effective collision strengths for transitions in boron-like Kr XXXII, from which the excitation and de-excitation rates can be easily determined. These results along with those already reported [1] will be helpful in the modelling of plasmas.

Earlier calculations for Kr XXXII have been performed by Bhatia et al. [2] and Zhang and Sampson [3]. Bhatia et al. performed semi-relativistic calculations adopting the *SuperStructure* (SS) code of Eissner et al. [4] for the generation of wavefunctions, and the *Distorted-Wave* (DW) code of Eissner and Seaton [5] for the scattering process. However, they included only 20 levels among the $2s^22p$, $2s2p^2$, $2p^3$ and $2s^23l$ configurations. Furthermore, they reported values of collision strengths (Ω) at a single energy of 175 Ryd. Similarly, Zhang and Sampson restricted their calculations to only the lowest 15 levels, but reported values of Ω at six energies covering a wider energy range. Additionally, they performed fully relativistic calculations adopting the earlier version of the GRASP (*General purpose Relativistic Atomic Structure Package*) code for the generation of wavefunctions and their DWcode for the scattering process. However, the above two calculations are insufficient for applications to plasma modelling, mainly for two reasons. Firstly, both calculations include only a limited number of levels, the inadequacy of which for plasma modelling has already been demonstrated by Liedahl [6]. Secondly, and more importantly, both workers have calculated the values of Ω only at energies *above* thresholds. Resonances in the thresholds region can significantly contribute to the determination of excitation rates, even at the high temperatures found in fusion plasmas, at least for some of the transitions, as we will demonstrate in section 3. Therefore, in the present work we include 125 levels belonging to the $2s^22p$, $2s2p^2$, $2p^3$, $2s^23l$, $2s2p3l$ and $2p^23l$ configurations of Kr XXXII.

For our calculations of energy levels and radiative rates, we too have adopted the GRASP code, which was originally developed as GRASP0 by Grant et al. [7], and has been updated by Dr. P. H. Norrington. This is a fully relativistic code, and is based on the *jj* coupling scheme. Moreover, further relativistic corrections arising from the Breit interaction and QED effects have also been included. Additionally, we have used the option of *extended average level* (EAL), in which a weighted (proportional to $2j+1$) trace of the Hamiltonian matrix is minimized. This produces a compromise set of orbitals describing closely lying states with moderate accuracy. A detailed comparison of our energy levels and radiative rates (A-values) with the earlier available theoretical and experimental results has already been made in our previous paper [1], and hence will not be repeated here. However, in Table 1 we list our energies for 125 levels belonging to the $2s^22p$, $2s2p^2$, $2p^3$, $2s^23l$, $2s2p3l$ and $2p^23l$ configurations of Kr XXXII. The level indices provided in this table will be helpful in discussing our results for collision strengths and effective collision strengths.

2. COLLISION STRENGTHS

For our calculations of collision strengths (Ω) and subsequently the effective collision strengths (ϒ), we have adopted the fully relativistic *Dirac Atomic R-matrix Code* (DARC) of P.H. Norrington and I.P. Grant (private communication). The *R*-matrix radius is adopted to be 1.48au, and 15 continuum orbitals are included for each channel angular momentum for the expansion of the wavefunction. This allows us to compute values of Ω up to an energy of 500 Ryd, sufficient to determine the values of ϒ up to a temperature of $10^{7.3}$ K. Furthermore, in order to obtain convergence of Ω for all transitions and at all energies, we include all partial waves with angular momentum $J \leq 40$. To account for the inclusion of higher neglected partial waves, we also include a top-up, based on Coulomb-Bethe approximation for allowed transitions and geometric series for others.

In Figures1 and 2 we show the variation of Ω with angular momentum *J* for only two transitions, namely 1-2 ($2s^22p\ ^2P^o_{1/2} – 2s^22p\ ^2P^o_{3/2}$) and 1-6 ($2s^22p\ 2P^o_{1/2}$ - $2s2p^2\ ^2D_{3/2}$), at four energies of 200, 300, 400, and 500 Ryd. The 1-2 transition is *forbidden* whereas 1-6 is *allowed*. As expected and shown in Fig. 1, values of Ω have *converged* for forbidden transitions at all energies. However, for allowed transitions values of Ω have not converged within our partial waves range of $J \leq 40$, and therefore we have included a top-up in order to include the contribution of higher neglected partial waves, as stated above.

Since the earlier reported values of Ω by Bhatia et al. [2] and Zhang and Sampson [3] are limited to only a few levels and a few energies, we have performed another independent calculation from the *Flexible Atomic Code* (FAC) of Gu [8], which is available at the website: http://kipac-tree.stanford.edu/fac. This code is also fully relativistic and in order to make the comparisons meaningful we have adopted similar wavefunctions, i.e. our calculations from FAC also include the *same* 125 levels as adopted in GRASP and DARC. For this reason the results for energy levels and A-values are comparable between the two independent calculations, as already shown in our earlier paper [1].

In Fig.3 we compare our values of Ω from both DARC and FAC for three *allowed* transitions, namely 1-6 ($2s^2 2p\ ^2P^o_{1/2}$ - $2s2p^2\ ^2D_{3/2}$), 2-8 ($2s^2 2p\ 2P^o_{3/2}$ - $2s2p^2\ ^2D_{5/2}$), and 3-11 ($2s2p^2\ ^4P_{1/2}$ - $2p^3\ ^4S^o_{3/2}$). Since the oscillator strength (f- values) for these three (and many other) transitions are comparable between the GRASP and FAC calculations, so are the values of Ω at all energies, as shown in Fig.3. Also shown in this figure are the limited results of Zhang and Sampson [3], which agree very well with the other two calculations, because their f- values are also comparable as shown in Table A of Aggarwal et al. [1]. Similar comparisons of Ω are shown in Fig. 4 for three *forbidden* transitions, namely 1-2 ($2s^2 2p\ 2P^o_{1/2}$ - $2s^2 2p\ 2P^o_{3/2}$), 2-11 ($2s^2 2p\ 2P^o_{3/2}$ - $2p^3\ ^4S^o_{3/2}$), and 3-4 ($2s2p^2\ ^4P_{1/2}$ - $2s2p^2\ ^4P_{3/2}$). The earlier calculations of Zhang and Sampson, which are also based on the DW method, agree very well with our calculations from DARC for all three transitions, and in the entire energy range. Unfortunately however, for some (random) transitions such as shown for 1-2, differences between the DARC and FAC calculations are substantial, particularly towards the lower end of the energy range. This is partly due to the differences in the *R* matrix and DW approaches adopted in the two calculations, and mainly due to the interpolation and extrapolation techniques employed in the FAC code, which is designed to generate a large amount of atomic data in a comparatively very short period of time, and without too much loss of accuracy. Therefore, sometimes a problem of a few anomalies may arise from the calculations from FAC, but overall we observe no major discrepancy with our calculations performed from the DARC code, as also observed for many other ions, such as those of iron - see, for example, Aggarwal et al. [9] and the references therein.

In Table 2 we list our values of Ω for only resonance transitions, i.e. those from the ground level to higher excited levels, at four energies of 200, 300, 400, and 500 Ryd. The indices adopted to represent a transition have already been given in Table 1. Also included for a ready comparison in this table are our corresponding values of Ω obtained from the FAC code at a single *excited* energy of ~520 Ryd. For most of the transitions the two sets of Ω agree within ~20% around the highest energy of our calculations from DARC. However, for some transitions the differences are higher by up to a factor of two, and examples are: 1-30, 1-40, 1-60, and 1-77. The magnitude of Ω for all such transitions (for which differences are large) are quite small ($\leq 10^{-4}$), and for one transition, namely 1-50 ($2s^2 2p\ ^2P^o_{1/2}$ - $2s2p3d\ ^4F^o_{9/2}$), the two sets of Ω (~10^{-8}) differ by an order of magnitude. For such weak forbidden transitions the values of Ω obtained from the FAC code are not as accurate as from DARC for the reasons explained above. However, the importance of such weak transitions in plasma modelling shall not be significant, although clearly such data are desirable to have. Finally, on the basis of the comparisons made above and considering that a large range of partial waves has been adopted, we assess the accuracy of our values of Ω to be ~ 20% for a majority of transitions.

3. EFFECTIVE COLLISION STRENGTHS

Excitation rates, along with energy levels and radiative rates, are required for plasma modelling, and are determined from the collision strengths (Ω). Since the threshold energy region is dominated by numerous closed-channel (Feshbach) resonances, values of Ω need to be calculated in a fine energy mesh in order to accurately account for their contribution. Furthermore, in a hot plasma electrons have a wide distribution of velocities, and therefore values of Ω are generally averaged over a *Maxwellian* distribution as follows:

$$\Upsilon(T_e) = \int_0^{\infty} (E) exp(-E_j/kT_e)\, d(E_j/kT_e), \quad (1)$$

where k is Boltzmann constant, T_e is electron temperature in K, and E_j is the electron energy with respect to the final (excited) state. Once the value of Υ is known the corresponding results for the excitation q(i,j) and de-excitation q(j,i) rates can be easily obtained from the following equations:

$$q(i,j) = \frac{8.63 \times 10^{-6}}{\omega_i T_e^{1/2}} \Upsilon\, exp(-E_{ij}/kT_e) \quad \mathrm{cm^3\ s^{-1}} \quad (2)$$

and

$$q(j,i) = \frac{8.63 \times 10^{-6}}{\omega_j T_e^{1/2}} \Upsilon \quad \mathrm{cm^3\ s^{-1}}, \quad (3)$$

where ω_i and ω_j are the statistical weights of the initial (i) and final (j) states, respectively, and E_{ij} is the transition energy. The contribution of resonances may enhance the values of Υ over those of the background values of collision strengths (Ω_B), especially for the forbidden transitions, as demonstrated by Aggarwal & Keenan [10] for transitions in F-like Mo XXXIV. Therefore, to account for the contribution of resonances we have calculated values of Ω in a fine energy mesh ($\Delta E \leq$ 0.002 Ryd) throughout the thresholds region. However, the energy difference between levels 15 ($2p^3\ ^2P^o_{3/2}$) and 16 ($2s^2 3s\ ^2S_{1/2}$) is very large, i.e. ~ 124 Ryd as shown in Table 1. Therefore, in this energy region we have adopted a uniform mesh of 0.1 Ryd. In total, values of Ω have been calculated at ~ 37000 energies in the thresholds region. The density and the contribution of resonances can be appreciated from Figs. 5-7 in which we show the variation of Ω with energy for three transitions, namely 1-2 ($2s\ ^2 2p\ ^2P_o^{1/2}$ - $2s^2 2p\ ^2P^o_{3/2}$), 1-3 ($2s^2 2p\ 2P^o_{1/2}$ - $2s2p^2\ ^4P_{1/2}$), and 2-3 ($2s^2 2p\ ^2P^o_{3/2}$ - $2s2p^2\ ^4P_{1/2}$), respectively.

The values of Υ are listed in Table 3 for all 7750 transitions among the 125 levels of Kr XXXII, listed in Table 1 (Because of the length of the table, only transitions from the lowest 15 levels are printed, the full table being available as plain text file through the journal's website at www.sciencedirect.com). Results are presented here over a temperature range of $10^5 - 10^{7.3}$K, which can be applied for the modelling of fusion plasmas. Unfortunately, to our knowledge no other similar results are available in the literature with which to compare. However, the accuracy of the listed Υ values will be similar to those for Ω discussed in section 2. Since we have resolved the resonances in a fine energy mesh and have considered a wide energy range for the convergence of the integral in Eq.(1), we expect the accuracy of our values of Υ to be ~ 20% for a majority of transitions, particularly for the temperature range of Table 3. At temperatures below 10^5 K (for which Υ values are not listed), the accuracy of our Υ values may be comparatively lower because of the presence of some near-threshold resonances, as shown in Figs. 5-7. A slight shift in their positions can significantly affect the calculations of Υ values. However, at higher temperatures such a shift is ineffective and the contribution of resonances mainly depend on their width and magnitude. We discuss below the effect of their contribution in comparison to the corresponding results obtained from the non-resonant collision strengths.

The highest temperature of our calculations is $10^{7.3}$ K. At this temperature the corresponding values of Υ obtained from the FAC code differ by up to a factor of four for some of the resonance transitions, such as 1 - 4, 5, 8, and 75. For some weak transitions, such as 1-43 ($\Upsilon \sim 7.2\times10^{-7}$), 1-48 ($\Upsilon \sim 1.4\times10^{-5}$) and 1-50 ($\Upsilon \sim 7.3\times10^{-7}$), the Υ values from the DARC and FAC codes differ by up to an order of magnitude. This is mainly because there are differences in the corresponding values of Ω, as discussed in section 2 and shown in Table 2. However, for some other transitions, such as 1-15 ($\Upsilon \sim 3.2\times10^{-5}$), our results from DARC are higher by up to an order of magnitude, mainly because of resonances. To demonstrate this, we focus on two transitions, namely 1-4 ($2s^22p\ ^2P^o_{1/2}$ - $2s2p^2\ ^4P_{3/2}$) and 1-5 ($2s^22p\ ^2P^o_{1/2}$ - $2s2p^2\ ^4P_{5/2}$), because these have comparatively larger values of Υ. In Fig.8a we compare our values of Ω from the DARC and FAC codes for these two transitions. Since there is no discrepancy in the values of Ω in the entire energy range of interest, one expects the corresponding values of Υ to be similar. However, for both transitions the Υ values from the FAC are lower by a factor of 2.5 over the entire temperature range as shown in Fig.8b. This is clearly due to the presence of numerous resonances which are spread over a wide energy range up to 170 Ryd, as shown in Fig.9a,b. Similar enhancements in values of Υ are noted for many transitions among the higher excited levels.

The contribution of resonances in the determination of effective collision strengths and subsequently the excitation rates is significant, especially for the forbidden transitions, even at temperatures as high as $10^{7.3}$ K, as discussed above. However, this temperature is at the lower end of what is (normally) observed in fusion plasmas, and increasing it beyond the present limit is not feasible with the computational resources available with us. Therefore, in Table 4 (only available as plain text file through the journal's website at www.sciencedirect.com) we list the values of Υ over a wider temperature range of $7.3 \le \log T_e$ (K) ≤ 9.0, which are obtained from the FAC code, and hence do not include the contribution of resonances.We hope the presently listed data for Υ over a wide temperature range, along with the radiative rates already reported [1], will be useful for the modelling of a variety of plasmas.

4. CONCLUSIONS

In this paper we have reported our results for collision strengths and effective collision strengths for transitions in Kr XXXII over a wide energy/temperature range, suitable for applications in fusion plasmas. A large range of partial waves has been included to ensure the convergence of Ω, and a large range of energy has been considered in order to obtain the converged values of Υ up to a temperature of $10^{7.3}$ K. Furthermore, resonances have been resolved in a fine energy mesh in order to account for their contribution, which has been found to be significant in the entire range of temperature considered in the paper. Based on a variety of comparisons, the values of Ω and Υ listed here are assessed to be accurate to ~20% for a majority of transitions. Values of Υ are also listed over a wider temperature range up to 10^9 K, but these are obtained from the non-resonant values of Ω from the FAC code.We expect that the present results, along with those for energy levels and radiative rates [1], will be highly useful for the modelling of fusion plasmas.

ACKNOWLEDGMENTS

This work was partly funded by the UK Engineering and Physical Sciences Research Council (EPSRC), and partly by the European Communities under the contract of Associations between EURATOM and UKAEA. However, the views and opinions expressed herein do not necessarily reflect those of the European Commission. We thank Dr. Patrick Norrington for providing the DARC code prior to publication. Finally, FPK is grateful to AWE Aldermaston for the award of a William Penney Fellowship and KMA is thankful to Dr. Valdas Jonauskas for many fruitful discussions.

REFERENCES

[1]. K.M. Aggarwal, F.P. Keenan, K.D. Lawson, At. Data Nucl. Data Tables **94** (2008) 323

[2]. A.K. Bhatia, U. Feldman, J.F. Seely, At. Data Nucl. Data Tables **35** (1986) 319.

[3]. H.L. Zhang, D.H. Sampson, At. Data Nucl. Data Tables **56** (1994) 41.

[4]. W. Eissner, M. Jones, H. Nussbaumer, Comput. Phys. Commun. **8** (1974) 271.

[5]. W. Eissner, M.J. Seaton, J. Phys. B **5** (1972) 2178.

[6]. D.A. Liedahl, 2000, *Atomic Data Needs for X-ray Astronomy* available at http:// heasarc.gsfc.nasa.gov/docs/heasarc/atomic/.

[7]. I.P. Grant, B.J. McKenzie, P.H. Norrington, D.F. Mayers, N.C. Pyper, Comput. Phys. Commun. **21** (1980) 207.

[8]. M.F. Gu, Astrophys. J. **582** (2003) 1241.

[9]. K.M. Aggarwal, K. Hamada, A. Igarashi, V. Jonauskas, F.P. Keenan, S. Nakazaki, Astron. Astrophys. **484** (2008) 879.

[10]. K.M. Aggarwal, F.P. Keenan, Phys. Scr. **69** (2004) 176.

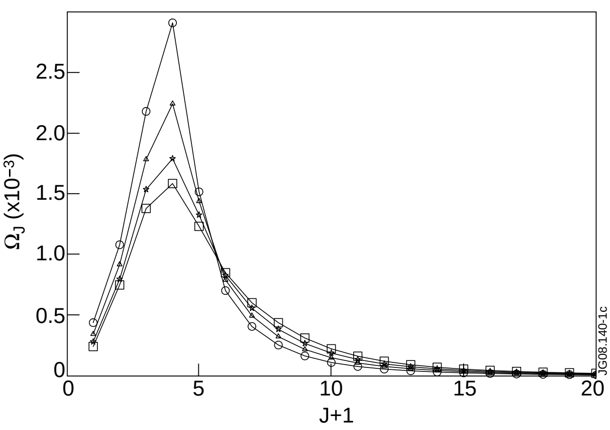

Figure 1: Partial collision strengths for the 1-2 ($2s^22p$ $^2P^o_{1/2}$ - $2s^22p$ $^2P^o_{3/2}$) transition of Kr XXXII, at four energies of: 200 Ryd (circles), 300 Ryd (triangles), 400 Ryd (stars), and 500 Ryd (squares).

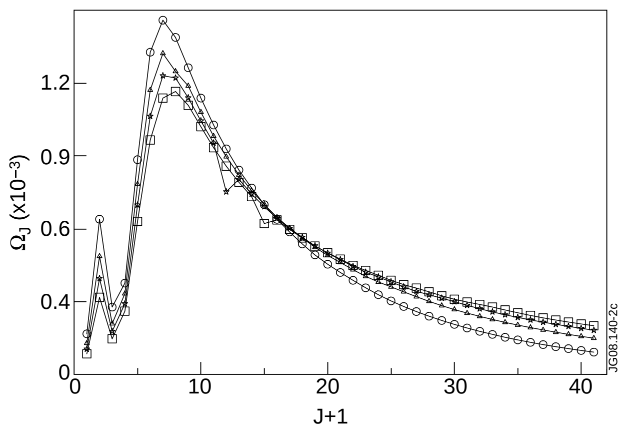

Figure 2: Partial collision strengths for the 1-6 ($2s^22p$ $^2P^o_{1/2}$ - $2s2p^2$ $^2D_{3/2}$) transition of Kr XXXII, at four energies of: 200 Ryd (circles), 300 Ryd (triangles), 400 Ryd (stars), and 500 Ryd (squares).

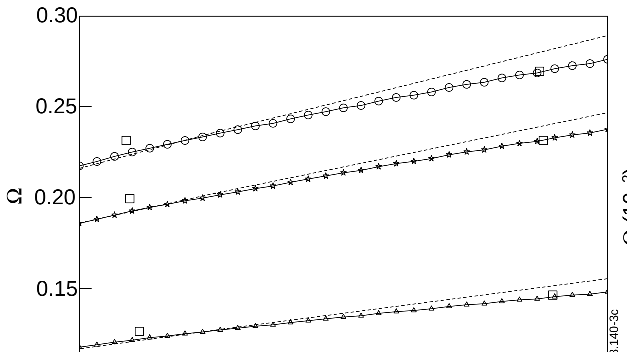

Figure 3: Comparison of collision strengths for some allowed transitions of Kr XXXII between the DARC (continuous curves) and FAC (broken curves) calculations. Circles: 1-6 ($2s^22p$ $^2P^o_{1/2}$ - $2s2p^2$ $^2D_{3/2}$), stars: 2-8 ($2s^22p$ $^2P^o_{3/2}$ - $2s2p^2$ $^2D_{5/2}$), and triangles: 3-11 ($2s2p^2$ $^4P_{1/2}$ - $2p^3$ $^4S^o_{3/2}$) transition. Results of Zhang and Sampson [3] are shown as squares.

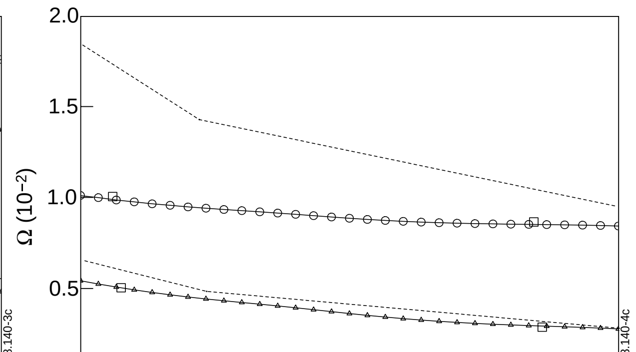

Figure 4: Comparison of collision strengths for some forbidden transitions of Kr XXXII between the DARC (continuous curves) and FAC (broken curves) calculations. Circles: 1-2 ($2s^22p$ $^2P^o_{1/2}$ - $2s^22p$ $^2P^o_{3/2}$), stars: 2-11 ($2s^22p$ $^2P^o_{3/2}$ - $2p^3$ $^4S^o_{3/2}$), and triangles: 3-4 ($2s2p^2$ $^4P_{1/2}$ - $2s2p^2$ $^4P_{3/2}$) transition. Results of Zhang and Sampson [3] are shown as squares.

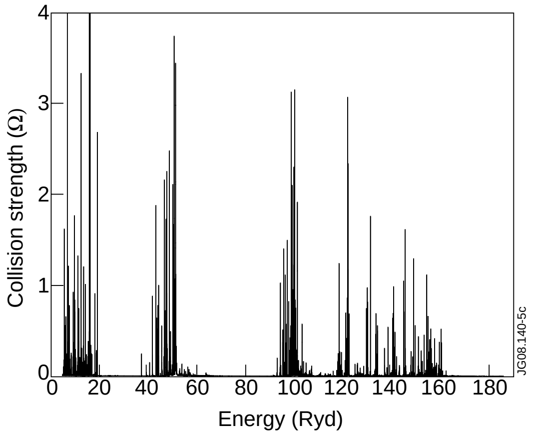

Figure 5: Collision strengths for the 1-2 ($2s^22p\ ^2P^o_{1/2}$ - $2s^22p\ ^2P^o_{3/2}$) transition of Kr XXXII.

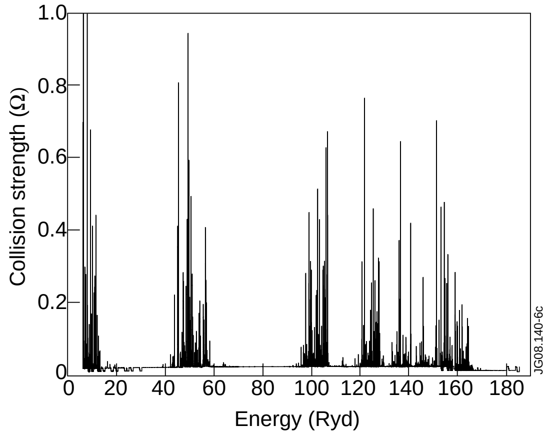

Figure 6: Collision strengths for the 1-3 ($2s^22p\ ^2P^o_{1/2}$ - $2s2p^2\ ^4P_{1/2}$) transition of Kr XXXII.

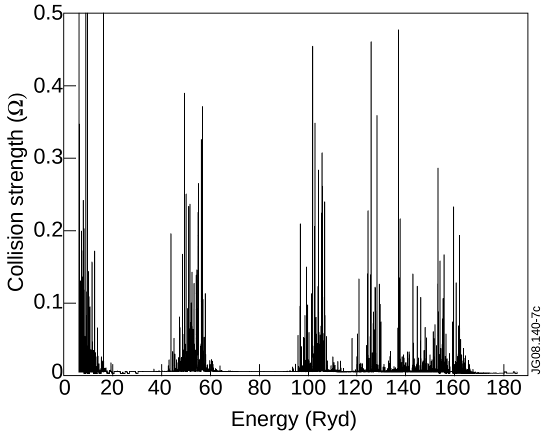

Figure 7 Collision strengths for the 2-3 (2s22p 2Po3/2 - 2s2p2 4P1/2) transition of Kr XXXII.

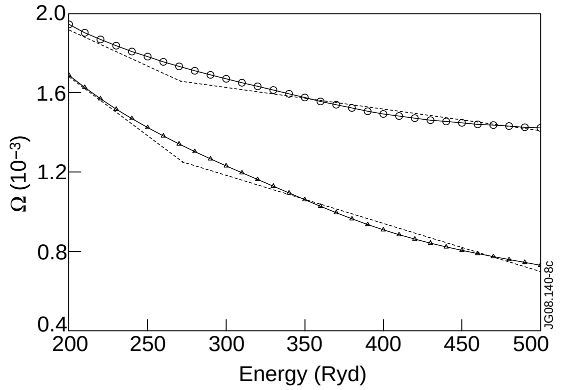

Figure 8a: Collision strengths for the 1-4 (circles: $2s^22p\ ^2P^o_{1/2}$ - $2s2p^2\ ^4P_{3/2}$) and 1-5 (triangles: $2s^22p\ ^2P^o_{1/2}$ - $2s2p^2\ ^4P_{5/2}$) transitions of Kr XXXII. Continuous and broken curves are from the DARC and FAC codes, respectively.

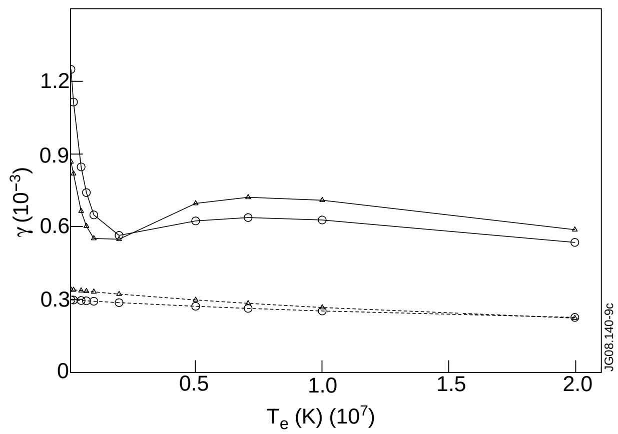

Figure 8b: Effective collision strengths for the 1-4 (circles: $2s^22p$ $2P^o_{1/2}$ - $2s2p^2\ ^4P_{3/2}$) and 1-5 (triangles: $2s^22p\ ^2P^o_{1/2}$ - $2s2p^2\ ^4P_{5/2}$) transitions of Kr XXXII. Continuous and broken curves are from the DARC and FAC codes, respectively.

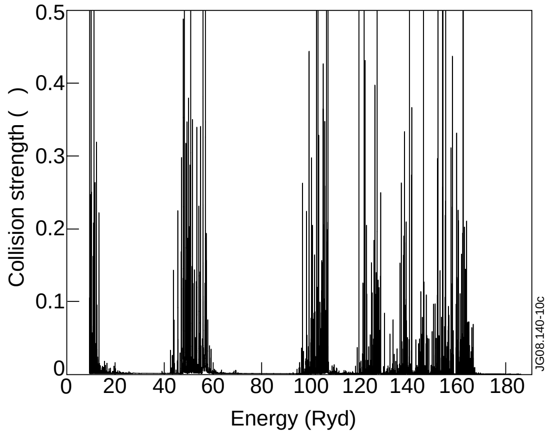

Figure 9a: Collision strengths for the 1-4 ($2s^2 2p\ ^2P^o_{1/2}$ - $2s2p^2\ ^4P_{3/2}$) transition of Kr XXXII.

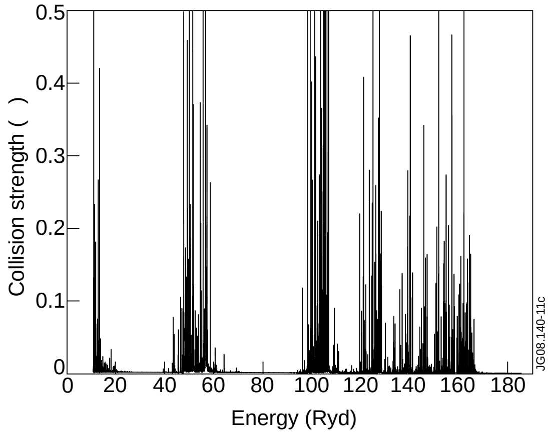

Figure 9b: Collision strengths for the 1-5 ($2s^2 2p\ ^2P^o_{1/2}$ - $2s2p^2\ ^4P_{5/2}$) transition of Kr XXXII.

EXPLANATION OF TABLES

Index	Level Index
Configuration	The configuration to which the level belongs
Level (LSJ)	The *LSJ* designation of the level with its spin, parity and *J* value
Level (*jj*)	The *jj* designation of the configuration
Energy (Ryd)	Present energies from the GRASP code *with* Breit and QED corrections
a	The number at the end or inside the bracket is 2J
b	s+ ≡ $s_{1/2}$, p− ≡ $p_{1/2}$, p+ ≡ $p^{3/2}$, d− ≡ $d_{3/2}$ and d+ ≡ $d^{5/2}$
c	The number after ± is the power of the corresponding configuration.
	For example, the *jj* configuration of level 5 is: $2s_{1/2}$ $2p_{1/2}$ $2p_{3/2}$

Table 1: Energy levels of Kr XXXII (in Ryd).

Transition	The lower (*i*) and upper (*j*) levels are defined in Table 1.
DARC	Collision strengths (Ω) obtained from the DARC code at four energies of 200, 300, 400, and 500 Ryd.
FAC	Collision strengths (Ω) obtained from the FAC code at a single excited energy of ~520 Ryd.
a±*b*	$\equiv a \times 10^{\pm b}$

Table 2: Collision strengths for resonance transitions of Kr XXXII.

Transition	The lower (*i*) and upper (*j*) levels are defined in Table 1.
Temperature	Effective collision strengths (ϒ) at 10 temperatures (in log K) of 5.00, 5.30, 5.70, 5.85, 6.00, 6.30, 6.70, 6.85, 7.00, and 7.30.
a±*b*	$\equiv a \times 10^{\pm b}$

Table 3: Effective collision strengths for transitions of Kr XXXII.

Transition	The lower (*i*) and upper (*j*) levels are defined in Table 1.
Temperature	Effective collision strengths (ϒ) at 8 temperatures (in log K) of 7.30, 7.70, 7.85, 8.00, 8.30, 8.70, 8.85, and 9.00.
a±*b*	$\equiv a \times 10^{\pm b}$

Table 4: Effective collision strengths from the FAC code for transitions of Kr XXXII.

Table 1: Energy levels of Kr XXXII.

Index	Configuration	Level (LSJ)	Level $(jj)^{abc}$	Energy (Ryd)
1	$2s^22p$	$^2P^o{}_{1/2}$	2p−1(1)1	0.00000
2	$2s^22p$	$^2P^o{}_{3/2}$	2p+1(3)3	4.48151
3	$2s2p^2$	$^4P\ _{1/2}$	2s+1(1)1	6.35647
4	$2s2p^2$	$^4P\ _{3/2}$	2s+1(1)1 2p−1(1)0 2p+1(3)3	9.21194
5	$2s2p^2$	$^4P\ _{5/2}$	2s+1(1)1 2p−1(1)2 2p+1(3)5	10.51277
6	$2s2p^2$	$^2D\ _{3/2}$	2s+1(1)1 2p−1(1)2 2p+1(3)3	13.09327
7	$2s2p^2$	$^2P\ _{1/2}$	2s+1(1)1 2p−1(1)2 2p+1(3)1	13.79048
8	$2s2p^2$	$^2D\ _{5/2}$	2s+1(1)1 2p+2(4)5	15.25149
9	$2s2p^2$	$^2S\ _{1/2}$	2s+1(1)1 2p+2(0)1	18.56711
10	$2s2p^2$	$^2P\ _{3/2}$	2s+1(1)1 2p+2(4)3	18.67950
11	$2p^3$	$^4S^o{}_{3/2}$	2p+1(3)3	20.65445
12	$2p^3$	$^2D^o{}_{3/2}$	2p−1(1)1 2p+2(4)3	24.09165
13	$2p^3$	$^2D^o{}_{5/2}$	2p−1(1)1 2p+2(4)5	25.01072
14	$2p^3$	$^2P^o{}_{1/2}$	2p−1(1)1 2p+2(0)1	26.87547
15	$2p^3$	$^2P^o{}_{3/2}$	2p+3(3)3	30.27312
16	$2s^23s$	$^2S\ _{1/2}$	3s+1(1)1	154.22759
17	$2s^23p$	$^2P^o{}_{1/2}$	3p−1(1)1	156.69886
18	$2s^23p$	$^2P^o{}_{3/2}$	3p+1(3)3	157.95547
19	2s2p3s	$^4P^o{}_{1/2}$	2s+1(1)1 2p−1(1)0 3s+1(1)1	159.07645
20	2s2p3s	$^4P^o{}_{3/2}$	2s+1(1)1 2p−1(1)2 3s+1(1)3	159.84669
21	$2s^23d$	$^2D\ _{3/2}$	3d−1(3)3	160.15419
22	$2s^23d$	$^2D\ _{5/2}$	3d+1(5)5	160.54322
23	$2s2p(^3P)3s$	$^2P^o{}_{1/2}$	2s+1(1)1 2p−1(1)2 3s+1(1)1	160.67934
24	2s2p3p	$^4D\ _{1/2}$	2s+1(1)1 2p−1(1)0 3p−1(1)1	161.20215
25	2s2p3p	$^4D\ _{3/2}$	2s+1(1)1 2p−1(1)2 3p−1(1)3	161.89590
26	2s2p3p	$^4S\ _{3/2}$	2s+1(1)1 2p−1(1)0 3p+1(3)3	162.94433
27	2s2p3p	$^4P\ _{1/2}$	2s+1(1)1 2p−1(1)2 3p−1(1)1	163.00683
28	$2s2p(^3P)3p$	$^2P\ _{1/2}$	2s+1(1)1 2p−1(1)2 3p+1(3)1	163.50307
29	2s2p3s	$^4P^o{}_{5/2}$	2s+1(1)1 2p+1(3)4 3s+1(1)5	163.45598
30	2s2p3p	$^4D\ _{5/2}$	2s+1(1)1 2p−1(1)2 3p+1(3)5	163.57058
31	$2s2p(^3P)3p$	$^2D\ _{3/2}$	2s+1(1)1 2p−1(1)2 3p+1(3)3	163.90287
32	2s2p3d	$^4F^o{}_{3/2}$	2s+1(1)1 2p−1(1)0 3d−1(3)3	164.45210
33	$2s2p(^3P)3s$	$^2P^o{}_{3/2}$	2s+1(1)1 2p+1(3)4 3s+1(1)3	164.42180
34	2s2p3d	$^4F^o{}_{5/2}$	2s+1(1)1 2p−1(1)2 3d−1(3)5	164.98404
35	2s2p3d	$^4P^o{}_{5/2}$	2s+1(1)1 2p−1(1)0 3d+1(5)5	165.50129
36	2s2p3d	$^4D^o{}_{3/2}$	2s+1(1)1 2p−1(1)2 3d−1(3)3	165.74091
37	2s2p3d	$^4D^o{}_{1/2}$	2s+1(1)1 2p−1(1)2 3d−1(3)1	165.78262
38	2s2p3d	$^4F^o{}_{7/2}$	2s+1(1)1 2p−1(1)2 3d+1(5)7	165.82339
39	2s2p3p	$^4P\ _{3/2}$	2s+1(1)1 2p+1(3)4 3p−1(1)3	166.23836
40	2s2p3p	$^4P\ _{5/2}$	2s+1(1)1 2p+1(3)4 3p−1(1)5	166.44490
41	$2s2p(^3P)3d$	$^2D^o{}_{3/2}$	2s+1(1)1 2p−1(1)2 3d+1(5)3	166.50489
42	$2s2p(^3P)3d$	$^2F^o{}_{5/2}$	2s+1(1)1 2p−1(1)2 3d+1(5)5	166.65750
43	2s2p3p	$^4D\ _{7/2}$	2s+1(1)1 2p+1(3)4 3p+1(3)7	166.99172
44	$2s2p(^1P)3s$	$^2P^o{}_{1/2}$	2s+1(1)1 2p+1(3)2 3s+1(1)1	167.11391
45	$2s2p(^1P)3s$	$^2P^o{}_{3/2}$	2s+1(1)1 2p+1(3)2 3s+1(1)3	167.26018

Table 1: Energy levels of Kr XXXII.

Index	Configuration	Level (LSJ)	Level $(jj)^{abc}$	Energy (Ryd)
46	2s2p(^{3}P)3p	^{2}P $_{3/2}$	2s+1(1)1 2p+1(3)4 3p+1(3)3	167.23951
47	2s2p(^{3}P)3p	^{2}D $_{5/2}$	2s+1(1)1 2p+1(3)4 3p+1(3)5	167.91849
48	2p^{2}3s	^{4}P $_{1/2}$	3s+1(1)1	168.05250
49	2s2p(^{3}P)3p	^{2}S $_{1/2}$	2s+1(1)1 2p+1(3)4 3p+1(3)1	168.36140
50	2s2p3d	^{4}F$^o{}_{9/2}$	2s+1(1)1 2p+1(3)4 3d+1(5)9	169.14540
51	2s2p3d	^{4}D$^o{}_{5/2}$	2s+1(1)1 2p+1(3)4 3d−1(3)5	169.36471
52	2s2p3d	^{4}D$^o{}_{7/2}$	2s+1(1)1 2p+1(3)4 3d−1(3)7	169.35954
53	2s2p3d	^{4}P$^o{}_{3/2}$	2s+1(1)1 2p+1(3)4 3d−1(3)3	169.49459
54	2s2p3d	^{4}P$^o{}_{1/2}$	2s+1(1)1 2p+1(3)4 3d−1(3)1	169.55088
55	2s2p(^{1}P)3p	^{2}P $_{1/2}$	2s+1(1)1 2p+1(3)2 3p−1(1)1	169.61206
56	2s2p(^{1}P)3p	^{2}D $_{3/2}$	2s+1(1)1 2p+1(3)2 3p−1(1)3	169.68482
57	2p^{2}3p	^{4}D$^o{}_{1/2}$	3p−1(1)1	170.13606
58	2s2p(^{3}P)3d	^{2}D$^o{}_{5/2}$	2s+1(1)1 2p+1(3)4 3d+1(5)5	169.99977
59	2s2p(^{3}P)3d	^{2}P$^o{}_{3/2}$	2s+1(1)1 2p+1(3)4 3d+1(5)3	170.37199
60	2s2p(^{1}P)3p	^{2}D $_{5/2}$	2s+1(1)1 2p+1(3)2 3p+1(3)5	170.60938
61	2s2p(^{3}P)3d	^{2}F$^o{}_{7/2}$	2s+1(1)1 2p+1(3)4 3d+1(5)7	170.78232
62	2s2p(^{1}P)3p	^{2}P $_{3/2}$	2s+1(1)1 2p+1(3)2 3p+1(3)3	170.87984
63	2s2p(^{3}P)3d	^{2}P$^o{}_{1/2}$	2s+1(1)1 2p+1(3)4 3d+1(5)1	171.09982
64	2s2p(^{1}P)3p	^{2}S $_{1/2}$	2s+1(1)1 2p+1(3)2 3p+1(3)1	171.40705
65	2p^{2}3s	^{4}P $_{3/2}$	2p−1(1)1 2p+1(3)2 3s+1(1)3	171.67237
66	2p^2(^{3}P)3p	^{2}D$^o{}_{3/2}$	3p+1(3)3	171.75648
67	2p^{2}3s	^{2}P $_{1/2}$	2p−1(1)1 2p+1(3)2 3s+1(1)1	172.31777
68	2p^{2}3s	^{4}P $_{5/2}$	2p−1(1)1 2p+1(3)4 3s+1(1)5	172.49651
69	2s2p(^{1}P)3d	^{2}F$^o{}_{5/2}$	2s+1(1)1 2p+1(3)2 3d−1(3)5	172.90263
70	2p^{2}3s	^{2}D $_{3/2}$	2p−1(1)1 2p+1(3)4 3s+1(1)3	172.97619
71	2s2p(^{1}P)3d	^{2}D$^o{}_{3/2}$	2s+1(1)1 2p+1(3)2 3d−1(3)3	172.99948
72	2s2p(^{1}P)3d	^{2}F$^o{}_{7/2}$	2s+1(1)1 2p+1(3)2 3d+1(5)7	173.00840
73	2p^{2}3d	^{4}F $_{3/2}$	3d−1(3)3	173.34391
74	2s2p(^{1}P)3d	^{2}P$^o{}_{1/2}$	2s+1(1)1 2p+1(3)2 3d−1(3)1	173.34349
75	2p^2(^{3}P)3p	^{2}S$^o{}_{1/2}$	2p−1(1)1 2p+1(3)2 3p−1(1)1	173.53488
76	2s2p(^{1}P)3d	^{2}D$^o{}_{5/2}$	2s+1(1)1 2p+1(3)2 3d+1(5)5	173.46398
77	2p^{2}3p	^{4}D$^o{}_{3/2}$	2p−1(1)1 2p+1(3)2 3p−1(1)3	173.68663
78	2s2p(^{1}P)3d	^{2}P$^o{}_{3/2}$	2s+1(1)1 2p+1(3)2 3d+1(5)3	173.88284
79	2p^{2}3d	^{4}F $_{5/2}$	3d+1(5)5	174.11004
80	2p^{2}3p	^{4}D$^o{}_{5/2}$	2p−1(1)1 2p+1(3)4 3p−1(1)5	174.40158
81	2p^{2}3p	^{4}P$^o{}_{5/2}$	2p−1(1)1 2p+1(3)2 3p+1(3)5	174.90059
82	2p^{2}3p	^{4}P$^o{}_{1/2}$	2p−1(1)1 2p+1(3)2 3p+1(3)1	175.08954
83	2p^{2}3p	^{4}S$^o{}_{3/2}$	2p−1(1)1 2p+1(3)2 3p+1(3)3	175.30731
84	2p^{2}3p	^{4}P$^o{}_{3/2}$	2p−1(1)1 2p+1(3)4 3p−1(1)3	175.59949
85	2p^{2}3p	^{4}D$^o{}_{7/2}$	2p−1(1)1 2p+1(3)4 3p+1(3)7	175.68876
86	2p^2(^{1}D)3p	^{2}P$^o{}_{3/2}$	2p−1(1)1 2p+1(3)4 3p+1(3)3	176.16096
87	2p^{2}3p	^{2}F$^o{}_{5/2}$	2p−1(1)1 2p+1(3)4 3p+1(3)5	176.51840
88	2p^2(^{3}P)3d	^{2}P $_{3/2}$	2p−1(1)1 2p+1(3)2 3d−1(3)3	176.76361
89	2p^{2}3s	^{2}D $_{5/2}$	2p+2(4)4 3s+1(1)5	176.74136
90	2p^2(^{3}P)3d	^{2}F $_{5/2}$	2p−1(1)1 2p+1(3)2 3d−1(3)5	176.86220

Table 1: Energy levels of Kr XXXII.

Index	Configuration	Level (LSJ)	Level $(jj)^{abc}$	Energy (Ryd)
91	$2p^2 3d$	$^4D_{1/2}$	2p−1(1)1 2p+1(3)2 3d−1(3)1	176.92787
92	$2p^2 3d$	$^4F_{7/2}$	2p−1(1)1 2p+1(3)2 3d+1(5)7	177.05550
93	$2p^2(^3P)3p$	$^2P^o_{1/2}$	2p−1(1)1 2p+1(3)4 3p+1(3)1	177.23190
94	$2p^2 3s$	$^2P_{3/2}$	2p+2(4)4 3s+1(1)3	177.20244
95	$2p^2(^1D)3d$	$^2F_{7/2}$	2p−1(1)1 2p+1(3)4 3d−1(3)7	177.46528
96	$2p^2 3d$	$^4P_{5/2}$	2p−1(1)1 2p+1(3)2 3d+1(5)5	177.61606
97	$2p^2 3d$	$^4D_{3/2}$	2p−1(1)1 2p+1(3)2 3d+1(5)3	177.66624
98	$2p^2 3d$	$^4F_{9/2}$	2p−1(1)1 2p+1(3)4 3d+1(5)9	177.82437
99	$2p^2 3d$	$^4D_{5/2}$	2p−1(1)1 2p+1(3)4 3d−1(3)5	178.24271
100	$2p^2 3d$	$^4P_{3/2}$	2p−1(1)1 2p+1(3)4 3d−1(3)3	178.38384
101	$2p^2 3d$	$^4P_{1/2}$	2p−1(1)1 2p+1(3)4 3d−1(3)1	178.52126
102	$2p^2(^1D)3d$	$^2G_{7/2}$	2p−1(1)1 2p+1(3)4 3d+1(5)7	178.88198
103	$2p^2(^1D)3d$	$^2F_{5/2}$	2p−1(1)1 2p+1(3)4 3d+1(5)5	178.91372
104	$2p^2(^3P)3d$	$^2P_{1/2}$	2p−1(1)1 2p+1(3)4 3d+1(5)1	178.98740
105	$2p^2(^3P)3d$	$^2D_{3/2}$	2p−1(1)1 2p+1(3)4 3d+1(5)3	179.05957
106	$2p^2(^1D)3p$	$^2D^o_{3/2}$	2p+2(4)4 3p−1(1)3	179.31826
107	$2p^2 3s$	$^2S_{1/2}$	2p+2(0)0 3s+1(1)1	179.63385
108	$2p^2(^3P)3p$	$^2D^o_{5/2}$	2p+2(4)4 3p−1(1)5	179.55015
109	$2p^2(^1D)3p$	$^2D^o_{5/2}$	2p+2(4)4 3p+1(3)5	179.93612
110	$2p^2 3p$	$^2F^o_{7/2}$	2p+2(4)4 3p+1(3)7	180.03106
111	$2p^2(^1D)3p$	$^2P^o_{1/2}$	2p+2(4)4 3p+1(3)1	180.08913
112	$2p^2(^3P)3p$	$^2P^o_{3/2}$	2p+2(4)4 3p+1(3)3	181.75000
113	$2p^2(^1S)3p$	$^2P^o_{1/2}$	2p+2(0)0 3p−1(1)1	182.03602
114	$2p^2 3d$	$^4D_{7/2}$	2p+2(4)4 3d+1(5)7	182.07341
115	$2p^2 3d$	$^2G_{9/2}$	2p+2(4)4 3d+1(5)9	182.22922
116	$2p^2(^1D)3d$	$^2D_{3/2}$	2p+2(4)4 3d−1(3)3	182.37943
117	$2p^2(^1D)3d$	$^2D_{5/2}$	2p+2(4)4 3d−1(3)5	182.39759
118	$2p^2(^1D)3d$	$^2P_{1/2}$	2p+2(4)4 3d−1(3)1	182.42330
119	$2p^2(^3P)3d$	$^2F_{7/2}$	2p+2(4)4 3d−1(3)7	182.69982
120	$2p^2(^1S)3p$	$^2P^o_{3/2}$	2p+2(0)0 3p+1(3)3	183.03576
121	$2p^2 3d$	$^2S_{1/2}$	2p+2(4)4 3d+1(5)1	183.18992
122	$2p^2(^1D)3d$	$^2P_{3/2}$	2p+2(4)4 3d+1(5)3	183.54376
123	$2p^2(^3P)3d$	$^2D_{5/2}$	2p+2(4)4 3d+1(5)5	183.67924
124	$2p^2(^1S)3d$	$^2D_{3/2}$	2p+2(0)0 3d−1(3)3	185.32533
125	$2p^2(^1S)3d$	$^2D_{5/2}$	2p+2(0)0 3d+1(5)5	185.33989

[a] The number at the end or inside the bracket is 2J.
[b] s+ $\equiv s_{1/2}$, p− $\equiv p_{1/2}$, p+ $\equiv p_{3/2}$, d− $\equiv d_{3/2}$ and d+ $\equiv d_{5/2}$.
[c] The number after ± is the power of the corresponding configuration. For example, the jj configuration of level 5 is: $2s_{1/2}\ 2p_{1/2}\ 2p_{3/2}$.

Table 2: Collision strengths for resonance transitions of Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		DARC				FAC
i	j	200	300	400	500	520 (Ryd)
1	2	1.019-02	9.331-03	8.795-03	8.690-03	9.282-03
1	3	3.190-02	3.556-02	3.902-02	4.253-02	3.958-02
1	4	1.947-03	1.672-03	1.495-03	1.425-03	1.392-03
1	5	1.690-03	1.233-03	9.106-04	7.317-04	6.546-04
1	6	2.170-01	2.390-01	2.577-01	2.756-01	2.937-01
1	7	1.879-01	2.067-01	2.228-01	2.381-01	2.561-01
1	8	2.631-04	1.926-04	1.433-04	1.152-04	1.079-04
1	9	6.379-04	6.874-04	7.297-04	7.717-04	7.175-04
1	10	1.178-02	1.291-02	1.384-02	1.473-02	1.513-02
1	11	2.287-04	2.266-04	2.295-04	2.324-04	2.594-04
1	12	1.640-04	1.690-04	1.761-04	1.800-04	2.112-04
1	13	1.302-04	1.299-04	1.325-04	1.343-04	1.531-04
1	14	1.797-04	1.707-04	1.587-04	1.594-04	1.216-04
1	15	2.891-06	2.472-06	2.265-06	2.171-06	2.356-06
1	16	5.869-04	6.112-04	6.839-04	7.950-04	1.000-03
1	17	5.363-03	5.445-03	5.320-03	5.564-03	5.383-03
1	18	2.188-03	1.789-03	1.604-03	1.569-03	1.568-03
1	19	1.031-03	9.911-04	9.567-04	9.814-04	8.491-04
1	20	4.432-04	2.847-04	2.091-04	1.738-04	1.351-04
1	21	2.684-02	3.400-02	4.029-02	4.605-02	5.484-02
1	22	3.611-03	2.483-03	1.995-03	1.787-03	1.598-03
1	23	1.551-02	1.704-02	1.754-02	1.862-02	1.830-02
1	24	7.644-04	9.762-04	1.210-03	1.437-03	1.819-03
1	25	1.077-03	1.400-03	1.760-03	2.126-03	2.787-03
1	26	1.795-03	2.471-03	3.161-03	3.826-03	4.959-03
1	27	7.685-04	1.037-03	1.319-03	1.588-03	2.243-03
1	28	1.951-03	3.043-03	4.070-03	5.004-03	6.433-03
1	29	2.934-05	1.906-05	1.441-05	1.186-05	8.476-06
1	30	6.110-04	3.691-04	2.418-04	1.756-04	9.949-05
1	31	3.338-03	5.197-03	6.948-03	8.579-03	1.129-02
1	32	1.256-03	1.006-03	9.175-04	8.778-04	8.659-04
1	33	3.837-05	2.936-05	2.549-05	2.423-05	1.282-05
1	34	1.380-03	8.424-04	5.897-04	4.489-04	3.825-04
1	35	3.143-03	3.321-03	3.582-03	3.785-03	4.012-03
1	36	8.635-04	5.014-04	3.282-04	2.311-04	1.356-04
1	37	4.172-04	2.417-04	1.576-04	1.105-04	6.211-05
1	38	1.639-03	9.468-04	6.163-04	4.301-04	2.466-04
1	39	2.041-05	2.695-05	3.396-05	4.083-05	5.489-05
1	40	2.569-05	1.541-05	1.006-05	7.283-06	3.761-06
1	41	6.535-03	8.610-03	1.017-02	1.123-02	1.263-02
1	42	9.509-03	1.240-02	1.460-02	1.609-02	1.833-02
1	43	1.520-07	7.488-08	4.243-08	2.707-08	9.467-09
1	44	4.504-04	4.926-04	5.085-04	5.396-04	5.334-04
1	45	3.285-04	4.060-04	4.682-04	5.123-04	6.796-04

Table 2: Collision strengths for resonance transitions of Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		DARC				FAC
i	j	200	300	400	500	520 (Ryd)
1	46	3.030-05	4.928-05	6.688-05	8.314-05	1.197-04
1	47	7.558-07	5.698-07	4.918-07	4.563-07	2.782-07
1	48	9.415-06	1.369-05	1.830-05	2.291-05	2.916-04
1	49	1.278-04	1.955-04	2.585-04	3.155-04	1.657-04
1	50	2.542-07	1.124-07	6.148-08	3.740-08	4.608-09
1	51	6.262-05	7.757-05	8.976-05	9.828-05	1.181-04
1	52	2.278-05	1.302-05	8.383-06	5.799-06	2.972-06
1	53	2.127-05	2.651-05	3.073-05	3.367-05	3.869-05
1	54	5.595-07	3.545-07	2.576-07	2.077-07	1.339-07
1	55	6.925-05	9.969-05	1.307-04	1.603-04	2.318-04
1	56	4.803-05	3.315-05	2.540-05	2.194-05	1.693-05
1	57	2.832-05	2.204-05	1.792-05	1.703-05	1.381-05
1	58	1.187-04	1.572-04	1.865-04	2.065-04	2.551-04
1	59	2.359-04	3.101-04	3.667-04	4.056-04	4.770-04
1	60	5.909-05	3.786-05	2.618-05	2.013-05	1.301-05
1	61	2.259-05	1.313-05	8.645-06	6.144-06	3.293-06
1	62	5.218-05	7.642-05	1.022-04	1.281-04	1.777-04
1	63	6.723-06	3.999-06	2.767-06	2.099-06	1.035-06
1	64	9.064-05	1.247-04	1.580-04	1.887-04	2.412-04
1	65	6.367-06	6.398-06	7.048-06	8.065-06	7.059-06
1	66	2.864-05	2.143-05	1.766-05	1.637-05	1.139-05
1	67	7.749-05	1.138-04	1.475-04	1.782-04	2.332-04
1	68	4.679-06	2.822-06	1.868-06	1.426-06	7.577-07
1	69	1.759-04	1.603-04	1.581-04	1.579-04	1.624-04
1	70	9.111-05	1.335-04	1.730-04	2.095-04	2.432-05
1	71	2.480-04	3.022-04	3.468-04	3.783-04	2.673-04
1	72	1.605-04	9.258-05	6.037-05	4.206-05	4.256-04
1	73	2.259-04	2.639-04	2.990-04	3.324-04	3.812-04
1	74	2.470-05	1.587-05	1.151-05	9.077-06	6.481-06
1	75	2.222-05	1.405-05	1.013-05	7.962-06	9.113-07
1	76	2.994-04	3.566-04	4.057-04	4.409-04	5.043-04
1	77	1.240-04	1.427-04	1.599-04	1.724-04	9.076-05
1	78	1.404-04	1.624-04	1.832-04	1.982-04	3.253-04
1	79	5.833-05	3.849-05	2.965-05	2.571-05	2.162-05
1	80	3.651-05	3.942-05	4.288-05	4.563-05	4.935-05
1	81	1.056-05	8.060-06	6.692-06	6.144-06	4.549-06
1	82	3.414-06	2.582-06	2.071-06	1.899-06	1.029-06
1	83	5.463-06	4.011-06	3.225-06	2.907-06	2.044-06
1	84	6.233-06	5.960-06	6.021-06	6.204-06	5.248-06
1	85	1.984-05	1.265-05	8.530-06	6.426-06	3.958-06
1	86	9.695-06	1.145-05	1.303-05	1.420-05	1.443-05
1	87	1.834-05	2.263-05	2.633-05	2.897-05	3.205-05
1	88	1.594-05	1.596-05	1.689-05	1.819-05	1.929-05
1	89	5.945-07	4.078-07	3.263-07	2.903-07	2.177-07
1	90	8.523-06	5.672-06	4.477-06	3.936-06	3.002-06

Table 2: Collision strengths for resonance transitions of Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		DARC				FAC
i	j	200	300	400	500	520 (Ryd)
1	91	8.701-06	6.855-06	6.151-06	6.000-06	6.099-06
1	92	1.124-05	6.041-06	3.702-06	2.506-06	1.481-06
1	93	1.682-05	1.597-05	1.503-05	1.583-05	1.545-05
1	94	1.240-06	7.296-07	4.772-07	3.518-07	5.776-07
1	95	1.146-05	8.015-06	6.605-06	5.958-06	5.436-06
1	96	9.013-06	5.143-06	3.340-06	2.473-06	1.022-06
1	97	2.257-05	2.363-05	2.561-05	2.791-05	2.627-05
1	98	1.443-05	7.780-06	4.754-06	3.214-06	1.863-06
1	99	9.240-06	6.102-06	4.690-06	4.034-06	3.206-06
1	100	1.067-05	8.377-06	7.500-06	7.324-06	7.345-06
1	101	6.584-06	4.303-06	3.191-06	2.682-06	2.078-06
1	102	1.365-05	1.345-05	1.391-05	1.440-05	1.500-05
1	103	1.411-05	1.378-05	1.419-05	1.461-05	1.542-05
1	104	6.769-05	8.524-05	9.943-05	1.117-04	1.305-04
1	105	1.945-04	2.469-04	2.891-04	3.256-04	3.855-04
1	106	4.038-07	3.850-07	3.939-07	4.070-07	3.881-07
1	107	8.036-06	9.788-06	1.124-05	1.250-05	1.201-05
1	108	1.055-06	7.717-07	6.281-07	5.585-07	2.002-07
1	109	6.017-07	7.496-07	8.771-07	9.678-07	1.213-06
1	110	1.014-06	6.285-07	4.210-07	3.139-07	2.028-07
1	111	4.973-07	4.182-07	3.693-07	3.782-07	4.091-07
1	112	4.250-07	3.745-07	3.627-07	3.696-07	3.499-07
1	113	1.165-06	8.769-07	7.026-07	6.567-07	4.950-07
1	114	2.347-07	2.183-07	2.237-07	2.317-07	2.623-07
1	115	7.050-07	3.637-07	2.159-07	1.442-07	8.553-08
1	116	3.163-07	2.564-07	2.416-07	2.487-07	2.396-07
1	117	4.806-07	3.384-07	2.782-07	2.532-07	2.122-07
1	118	5.337-06	6.682-06	7.757-06	8.689-06	1.044-05
1	119	5.571-07	3.094-07	2.101-07	1.667-07	1.035-07
1	120	1.644-06	1.236-06	1.060-06	1.013-06	9.058-07
1	121	1.009-06	1.032-06	1.086-06	1.159-06	1.353-06
1	122	6.216-07	4.074-07	2.997-07	2.474-07	1.596-07
1	123	4.095-07	2.793-07	2.271-07	2.060-07	1.654-07
1	124	3.186-06	3.010-06	3.083-06	3.276-06	3.746-06
1	125	3.003-06	1.913-06	1.464-06	1.269-06	1.108-06

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
1	2	2.696-2	3.043-2	3.181-2	3.111-2	2.980-2	2.759-2	2.798-2	2.771-2	2.667-2	2.249-2
1	3	3.646-2	3.150-2	2.625-2	2.468-2	2.344-2	2.262-2	2.459-2	2.546-2	2.627-2	2.792-2
1	4	1.250-2	1.115-2	8.479-3	7.419-3	6.499-3	5.652-3	6.250-3	6.387-3	6.287-3	5.364-3
1	5	8.690-3	8.199-3	6.655-3	6.034-3	5.526-3	5.494-3	6.971-3	7.224-3	7.105-3	5.888-3
1	6	1.212-1	1.266-1	1.319-1	1.335-1	1.355-1	1.426-1	1.576-1	1.638-1	1.703-1	1.844-1
1	7	1.211-1	1.192-1	1.189-1	1.192-1	1.201-1	1.246-1	1.355-1	1.403-1	1.458-1	1.581-1
1	8	1.161-3	1.041-3	8.880-4	8.262-4	7.843-4	8.806-4	1.197-3	1.244-3	1.225-3	1.015-3
1	9	6.541-4	6.278-4	5.857-4	5.721-4	5.670-4	6.116-4	7.497-4	8.013-4	8.382-4	8.424-4
1	10	8.267-3	8.202-3	8.173-3	8.193-3	8.255-3	8.572-3	9.301-3	9.604-3	9.922-3	1.055-2
1	11	3.058-4	3.065-4	2.950-4	2.904-4	2.913-4	3.368-4	4.673-4	5.158-4	5.467-4	5.245-4
1	12	1.836-4	1.816-4	1.759-4	1.747-4	1.767-4	2.008-4	2.703-4	3.019-4	3.248-4	3.218-4
1	13	1.902-4	1.744-4	1.598-4	1.576-4	1.604-4	1.922-4	2.708-4	3.019-4	3.227-4	3.118-4
1	14	2.059-4	2.063-4	2.070-4	2.085-4	2.131-4	2.388-4	3.012-4	3.247-4	3.384-4	3.219-4
1	15	5.419-6	5.404-6	5.557-6	6.137-6	7.707-6	1.547-5	2.964-5	3.388-5	3.599-5	3.233-5
1	16	1.249-2	1.137-2	8.421-3	7.130-3	5.882-3	3.786-3	2.038-3	1.644-3	1.355-3	9.835-4
1	17	1.626-2	1.439-2	1.125-2	1.010-2	9.069-3	7.490-3	6.290-3	6.032-3	5.839-3	5.420-3
1	18	1.465-2	1.568-2	1.156-2	9.700-3	8.043-3	5.542-3	3.626-3	3.181-3	2.827-3	2.262-3
1	19	5.481-3	4.833-3	3.553-3	3.064-3	2.625-3	1.948-3	1.428-3	1.311-3	1.222-3	1.071-3
1	20	7.172-3	6.383-3	4.542-3	3.789-3	3.093-3	1.992-3	1.116-3	9.114-4	7.507-4	5.142-4
1	21	2.678-2	2.705-2	2.688-2	2.676-2	2.666-2	2.659-2	2.724-2	2.794-2	2.896-2	3.067-2
1	22	7.006-3	7.379-3	6.752-3	6.342-3	5.919-3	5.138-3	4.268-3	3.966-3	3.666-3	3.022-3
1	23	1.863-2	1.858-2	1.779-2	1.733-2	1.688-2	1.619-2	1.586-2	1.591-2	1.602-2	1.583-2
1	24	2.450-3	2.342-3	1.843-3	1.633-3	1.443-3	1.151-3	9.482-4	9.214-4	9.186-4	9.363-4
1	25	6.945-3	6.326-3	4.473-3	3.771-3	3.155-3	2.239-3	1.599-3	1.489-3	1.436-3	1.407-3
1	26	4.856-3	4.190-3	3.149-3	2.824-3	2.557-3	2.193-3	2.012-3	2.031-3	2.098-3	2.262-3
1	27	1.887-3	1.743-3	1.401-3	1.268-3	1.151-3	9.790-4	8.798-4	8.808-4	9.026-4	9.607-4
1	28	3.425-3	3.275-3	2.769-3	2.570-3	2.398-3	2.165-3	2.124-3	2.207-3	2.351-3	2.679-3
1	29	4.990-4	4.286-4	2.892-4	2.375-4	1.917-4	1.222-4	6.880-5	5.652-5	4.688-5	3.258-5
1	30	3.036-3	2.660-3	1.919-3	1.656-3	1.429-3	1.087-3	7.998-4	7.179-4	6.416-4	4.929-4
1	31	7.068-3	7.081-3	5.767-3	5.208-3	4.722-3	4.044-3	3.775-3	3.876-3	4.093-3	4.617-3
1	32	2.513-3	2.423-3	2.039-3	1.896-3	1.770-3	1.572-3	1.379-3	1.314-3	1.250-3	1.098-3
1	33	4.895-4	4.322-4	2.974-4	2.477-4	2.033-4	1.343-4	7.980-5	6.717-5	5.731-5	4.260-5
1	34	4.206-3	3.531-3	2.647-3	2.396-3	2.190-3	1.877-3	1.559-3	1.443-3	1.323-3	1.056-3
1	35	4.115-3	3.837-3	3.510-3	3.422-3	3.351-3	3.255-3	3.205-3	3.210-3	3.225-3	3.176-3
1	36	1.654-3	1.476-3	1.271-3	1.211-3	1.158-3	1.063-3	9.256-4	8.635-4	7.937-4	6.305-4
1	37	7.769-4	6.916-4	6.026-4	5.767-4	5.535-4	5.105-4	4.460-4	4.162-4	3.827-4	3.039-4
1	38	3.639-3	3.069-3	2.513-3	2.367-3	2.244-3	2.038-3	1.763-3	1.642-3	1.508-3	1.195-3
1	39	1.144-4	1.060-4	8.201-5	7.138-5	6.119-5	4.448-5	3.168-5	2.940-5	2.823-5	2.744-5
1	40	1.523-4	1.366-4	1.037-4	9.027-5	7.760-5	5.680-5	3.863-5	3.375-5	2.946-5	2.187-5
1	41	5.847-3	5.836-3	5.853-3	5.875-3	5.910-3	6.049-3	6.480-3	6.756-3	7.098-3	7.614-3
1	42	8.507-3	8.517-3	8.560-3	8.595-3	8.648-3	8.841-3	9.442-3	9.826-3	1.030-2	1.101-2
1	43	1.915-5	1.724-5	1.275-5	1.071-5	8.698-6	5.298-6	2.464-6	1.821-6	1.340-6	7.209-7
1	44	5.876-4	5.685-4	5.340-4	5.184-4	5.033-4	4.796-4	4.666-4	4.671-4	4.694-4	4.612-4
1	45	5.191-4	4.853-4	4.290-4	4.073-4	3.876-4	3.591-4	3.483-4	3.527-4	3.611-4	3.722-4
1	46	9.847-5	9.767-5	7.868-5	6.932-5	6.059-5	4.722-5	3.935-5	3.927-5	4.066-5	4.497-5
1	47	5.584-5	4.656-5	3.070-5	2.487-5	1.964-5	1.161-5	5.468-6	4.128-6	3.137-6	1.855-6
1	48	7.992-5	6.985-5	4.872-5	4.078-5	3.373-5	2.311-5	1.571-5	1.450-5	1.397-5	1.390-5
1	49	1.913-4	1.790-4	1.581-4	1.507-4	1.442-4	1.357-4	1.377-4	1.439-4	1.536-4	1.738-4
1	50	1.790-5	1.582-5	1.173-5	9.891-6	8.075-6	4.976-6	2.368-6	1.770-6	1.319-6	7.275-7
1	51	9.101-5	8.752-5	7.826-5	7.471-5	7.159-5	6.722-5	6.608-5	6.712-5	6.889-5	7.117-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
1	52	7.222-5	6.588-5	5.257-5	4.747-5	4.276-5	3.494-5	2.717-5	2.463-5	2.214-5	1.704-5
1	53	4.062-5	3.807-5	3.229-5	3.008-5	2.808-5	2.507-5	2.346-5	2.356-5	2.398-5	2.454-5
1	54	6.974-6	6.735-6	5.400-6	4.702-6	3.983-6	2.688-6	1.518-6	1.230-6	1.003-6	6.710-7
1	55	1.272-4	1.207-4	1.050-4	9.802-5	9.151-5	8.168-5	7.777-5	7.955-5	8.323-5	9.146-5
1	56	1.726-4	1.588-4	1.233-4	1.092-4	9.641-5	7.629-5	5.872-5	5.368-5	4.901-5	3.962-5
1	57	7.781-5	7.761-5	6.421-5	5.774-5	5.169-5	4.200-5	3.357-5	3.121-5	2.903-5	2.445-5
1	58	1.451-4	1.410-4	1.323-4	1.287-4	1.254-4	1.213-4	1.238-4	1.276-4	1.330-4	1.411-4
1	59	2.385-4	2.369-4	2.316-4	2.297-4	2.284-4	2.288-4	2.403-4	2.492-4	2.607-4	2.775-4
1	60	2.018-4	1.749-4	1.313-4	1.167-4	1.041-4	8.509-5	6.795-5	6.251-5	5.712-5	4.556-5
1	61	5.578-5	4.974-5	4.135-5	3.829-5	3.544-5	3.052-5	2.506-5	2.305-5	2.097-5	1.646-5
1	62	1.336-4	1.261-4	9.922-5	8.884-5	7.984-5	6.710-5	6.098-5	6.185-5	6.445-5	7.093-5
1	63	4.798-5	3.980-5	3.127-5	2.775-5	2.414-5	1.759-5	1.140-5	9.745-6	8.349-6	6.035-6
1	64	1.204-4	1.147-4	1.036-4	9.999-5	9.702-5	9.356-5	9.557-5	9.898-5	1.041-4	1.136-4
1	65	8.329-5	6.898-5	4.408-5	3.589-5	2.895-5	1.891-5	1.170-5	1.020-5	9.129-6	7.681-6
1	66	7.474-5	6.893-5	5.464-5	4.951-5	4.505-5	3.816-5	3.186-5	2.990-5	2.798-5	2.372-5
1	67	1.060-4	9.792-5	8.863-5	8.571-5	8.324-5	8.027-5	8.284-5	8.654-5	9.196-5	1.025-4
1	68	5.823-5	5.201-5	3.646-5	3.035-5	2.482-5	1.624-5	9.468-6	7.857-6	6.562-6	4.563-6
1	69	2.157-4	2.051-4	1.942-4	1.912-4	1.884-4	1.837-4	1.773-4	1.746-4	1.716-4	1.601-4
1	70	1.264-4	1.213-4	1.113-4	1.070-4	1.031-4	9.761-5	9.882-5	1.027-4	1.088-4	1.208-4
1	71	2.581-4	2.524-4	2.466-4	2.451-4	2.440-4	2.444-4	2.528-4	2.592-4	2.675-4	2.769-4
1	72	2.329-4	2.188-4	2.029-4	1.977-4	1.926-4	1.815-4	1.614-4	1.512-4	1.395-4	1.113-4
1	73	2.538-4	2.445-4	2.356-4	2.332-4	2.312-4	2.289-4	2.318-4	2.356-4	2.410-4	2.460-4
1	74	3.698-5	3.493-5	3.246-5	3.148-5	3.049-5	2.844-5	2.526-5	2.382-5	2.219-5	1.821-5
1	75	3.151-5	3.105-5	2.952-5	2.869-5	2.778-5	2.583-5	2.282-5	2.146-5	1.994-5	1.629-5
1	76	2.933-4	2.934-4	2.927-4	2.925-4	2.925-4	2.943-4	3.040-4	3.110-4	3.198-4	3.287-4
1	77	1.365-4	1.360-4	1.321-4	1.303-4	1.286-4	1.264-4	1.272-4	1.290-4	1.315-4	1.331-4
1	78	1.564-4	1.551-4	1.505-4	1.483-4	1.462-4	1.435-4	1.444-4	1.465-4	1.495-4	1.516-4
1	79	8.282-5	8.048-5	7.569-5	7.347-5	7.118-5	6.647-5	5.929-5	5.605-5	5.245-5	4.370-5
1	80	5.606-5	5.413-5	4.824-5	4.587-5	4.375-5	4.058-5	3.858-5	3.841-5	3.849-5	3.778-5
1	81	2.534-5	2.350-5	1.890-5	1.722-5	1.576-5	1.350-5	1.145-5	1.081-5	1.017-5	8.698-6
1	82	1.322-5	1.198-5	9.076-6	7.952-6	6.951-6	5.417-6	4.154-6	3.816-6	3.512-6	2.906-6
1	83	2.821-5	2.483-5	1.786-5	1.532-5	1.310-5	9.765-6	7.096-6	6.410-6	5.815-6	4.705-6
1	84	2.070-5	1.848-5	1.395-5	1.232-5	1.091-5	8.836-6	7.284-6	6.939-6	6.671-6	6.100-6
1	85	4.060-5	3.743-5	3.142-5	2.927-5	2.735-5	2.419-5	2.069-5	1.933-5	1.787-5	1.444-5
1	86	2.299-5	2.146-5	1.695-5	1.531-5	1.392-5	1.199-5	1.087-5	1.080-5	1.086-5	1.086-5
1	87	3.459-5	3.115-5	2.560-5	2.382-5	2.237-5	2.047-5	1.979-5	2.003-5	2.050-5	2.104-5
1	88	2.191-5	2.097-5	1.913-5	1.849-5	1.794-5	1.709-5	1.640-5	1.627-5	1.619-5	1.562-5
1	89	5.992-6	5.060-6	3.414-6	2.826-6	2.316-6	1.556-6	9.750-7	8.377-7	7.267-7	5.483-7
1	90	1.758-5	1.609-5	1.329-5	1.234-5	1.153-5	1.022-5	8.799-6	8.268-6	7.710-6	6.417-6
1	91	1.355-5	1.268-5	1.126-5	1.079-5	1.038-5	9.671-6	8.829-6	8.499-6	8.146-6	7.208-6
1	92	2.163-5	1.896-5	1.595-5	1.508-5	1.432-5	1.299-5	1.116-5	1.036-5	9.455-6	7.390-6
1	93	3.499-5	3.047-5	2.426-5	2.248-5	2.105-5	1.909-5	1.763-5	1.725-5	1.689-5	1.568-5
1	94	4.911-6	4.368-6	3.237-6	2.835-6	2.483-6	1.941-6	1.460-6	1.316-6	1.180-6	9.100-7
1	95	2.214-5	1.964-5	1.621-5	1.522-5	1.439-5	1.308-5	1.159-5	1.100-5	1.036-5	8.807-6
1	96	1.887-5	1.645-5	1.343-5	1.256-5	1.182-5	1.060-5	9.072-6	8.432-6	7.732-6	6.128-6
1	97	2.888-5	2.725-5	2.523-5	2.465-5	2.417-5	2.348-5	2.306-5	2.308-5	2.318-5	2.277-5
1	98	2.379-5	2.193-5	1.932-5	1.849-5	1.775-5	1.635-5	1.420-5	1.320-5	1.208-5	9.453-6
1	99	1.759-5	1.479-5	1.231-5	1.169-5	1.117-5	1.031-5	9.175-6	8.682-6	8.132-6	6.786-6
1	100	1.583-5	1.414-5	1.270-5	1.233-5	1.201-5	1.143-5	1.061-5	1.025-5	9.852-6	8.744-6
1	101	9.199-6	8.473-6	7.843-6	7.659-6	7.483-6	7.109-6	6.441-6	6.110-6	5.727-6	4.762-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
1	102	1.654-5	1.523-5	1.429-5	1.410-5	1.397-5	1.381-5	1.368-5	1.364-5	1.361-5	1.306-5
1	103	1.437-5	1.426-5	1.415-5	1.414-5	1.413-5	1.411-5	1.404-5	1.401-5	1.396-5	1.338-5
1	104	6.611-5	6.585-5	6.587-5	6.594-5	6.608-5	6.685-5	6.997-5	7.214-5	7.487-5	7.827-5
1	105	1.863-4	1.868-4	1.877-4	1.881-4	1.887-4	1.914-4	2.010-4	2.075-4	2.157-4	2.262-4
1	106	1.460-6	1.406-6	1.095-6	9.584-7	8.350-7	6.464-7	5.033-7	4.718-7	4.479-7	4.032-7
1	107	9.462-6	9.189-6	8.744-6	8.577-6	8.435-6	8.273-6	8.406-6	8.585-6	8.830-6	9.083-6
1	108	1.784-6	1.713-6	1.508-6	1.425-6	1.348-6	1.219-6	1.077-6	1.023-6	9.663-7	8.246-7
1	109	1.054-6	1.002-6	8.535-7	7.973-7	7.492-7	6.839-7	6.591-7	6.668-7	6.823-7	7.002-7
1	110	1.837-6	1.722-6	1.484-6	1.395-6	1.315-6	1.180-6	1.019-6	9.529-7	8.806-7	7.097-7
1	111	1.377-6	1.224-6	9.388-7	8.428-7	7.615-7	6.420-7	5.449-7	5.180-7	4.929-7	4.344-7
1	112	8.816-7	7.809-7	6.273-7	5.810-7	5.430-7	4.879-7	4.409-7	4.273-7	4.146-7	3.791-7
1	113	2.389-6	2.154-6	1.801-6	1.673-6	1.560-6	1.379-6	1.201-6	1.139-6	1.076-6	9.209-7
1	114	6.005-7	4.738-7	3.556-7	3.257-7	3.023-7	2.701-7	2.457-7	2.397-7	2.346-7	2.191-7
1	115	1.088-6	1.002-6	8.970-7	8.629-7	8.311-7	7.685-7	6.669-7	6.186-7	5.640-7	4.382-7
1	116	4.532-7	4.246-7	3.835-7	3.701-7	3.583-7	3.381-7	3.134-7	3.037-7	2.935-7	2.649-7
1	117	6.900-7	6.432-7	5.808-7	5.612-7	5.437-7	5.120-7	4.660-7	4.453-7	4.218-7	3.613-7
1	118	5.183-6	5.186-6	5.195-6	5.204-6	5.220-6	5.291-6	5.543-6	5.712-6	5.921-6	6.161-6
1	119	9.280-7	8.333-7	7.264-7	6.932-7	6.634-7	6.093-7	5.306-7	4.949-7	4.552-7	3.633-7
1	120	2.638-6	2.485-6	2.173-6	2.065-6	1.969-6	1.812-6	1.631-6	1.561-6	1.487-6	1.295-6
1	121	1.057-6	1.051-6	1.038-6	1.032-6	1.028-6	1.019-6	1.015-6	1.017-6	1.019-6	9.912-7
1	122	7.247-7	7.081-7	6.854-7	6.764-7	6.664-7	6.412-7	5.876-7	5.592-7	5.255-7	4.381-7
1	123	5.277-7	4.993-7	4.674-7	4.572-7	4.473-7	4.265-7	3.897-7	3.719-7	3.517-7	2.996-7
1	124	3.299-6	3.283-6	3.261-6	3.251-6	3.238-6	3.204-6	3.143-6	3.121-6	3.097-6	2.948-6
1	125	3.266-6	3.256-6	3.217-6	3.191-6	3.155-6	3.046-6	2.787-6	2.649-6	2.488-6	2.080-6
2	3	1.319-2	1.135-2	9.270-3	8.426-3	7.638-3	6.657-3	6.725-3	6.878-3	7.094-3	7.976-3
2	4	2.975-2	2.921-2	2.320-2	2.042-2	1.782-2	1.427-2	1.325-2	1.320-2	1.305-2	1.232-2
2	5	8.226-2	7.403-2	6.377-2	6.066-2	5.830-2	5.756-2	6.369-2	6.620-2	6.853-2	7.325-2
2	6	1.992-2	2.307-2	2.231-2	2.066-2	1.889-2	1.655-2	1.667-2	1.695-2	1.706-2	1.658-2
2	7	1.950-2	2.030-2	1.811-2	1.668-2	1.534-2	1.378-2	1.402-2	1.432-2	1.458-2	1.488-2
2	8	1.764-1	1.544-1	1.352-1	1.309-1	1.285-1	1.309-1	1.443-1	1.496-1	1.548-1	1.649-1
2	9	9.421-2	9.484-2	9.537-2	9.593-2	9.703-2	1.013-1	1.105-1	1.144-1	1.185-1	1.276-1
2	10	2.774-1	2.725-1	2.703-1	2.713-1	2.739-1	2.847-1	3.082-1	3.184-1	3.299-1	3.560-1
2	11	6.047-4	6.063-4	5.536-4	5.306-4	5.196-4	6.090-4	9.151-4	1.015-3	1.067-3	9.878-4
2	12	3.081-4	2.990-4	2.783-4	2.718-4	2.762-4	3.736-4	6.115-4	6.780-4	7.079-4	6.407-4
2	13	6.512-4	6.441-4	6.281-4	6.253-4	6.375-4	7.781-4	1.108-3	1.207-3	1.259-3	1.194-3
2	14	1.848-4	1.825-4	1.786-4	1.785-4	1.833-4	2.253-4	3.240-4	3.575-4	3.767-4	3.570-4
2	15	5.395-4	5.393-4	5.386-4	5.411-4	5.526-4	6.331-4	8.290-4	9.007-4	9.436-4	9.004-4
2	16	2.788-2	2.979-2	2.607-2	2.316-2	1.981-2	1.319-2	6.901-3	5.408-3	4.294-3	2.872-3
2	17	1.719-2	1.619-2	1.234-2	1.064-2	9.024-3	6.343-3	4.078-3	3.536-3	3.111-3	2.460-3
2	18	5.468-1	6.403-1	4.350-1	3.445-1	2.659-1	1.524-1	7.241-2	5.587-2	4.391-2	2.869-2
2	19	1.616-3	1.456-3	1.143-3	9.906-4	8.299-4	5.343-4	2.671-4	2.039-4	1.559-4	9.255-5
2	20	8.699-3	8.914-3	7.657-3	6.828-3	5.963-3	4.450-3	3.181-3	2.900-3	2.694-3	2.369-3
2	21	1.990-2	1.965-2	1.767-2	1.674-2	1.576-2	1.388-2	1.197-2	1.149-2	1.113-2	1.041-2
2	22	6.675-2	6.876-2	6.511-2	6.316-2	6.123-2	5.795-2	5.614-2	5.663-2	5.782-2	5.982-2
2	23	1.695-3	1.642-3	1.332-3	1.146-3	9.502-4	5.986-4	2.922-4	2.213-4	1.678-4	9.756-5
2	24	1.325-3	1.161-3	8.753-4	7.561-4	6.347-4	4.120-4	2.079-4	1.603-4	1.254-4	8.240-5
2	25	3.746-3	3.035-3	2.174-3	1.870-3	1.589-3	1.132-3	7.722-4	7.034-4	6.637-4	6.283-4
2	26	1.748-3	1.383-3	8.959-4	7.318-4	5.868-4	3.648-4	1.985-4	1.652-4	1.433-4	1.203-4
2	27	1.108-3	9.077-4	5.998-4	4.923-4	3.972-4	2.520-4	1.421-4	1.190-4	1.026-4	8.256-5
2	28	1.165-3	1.048-3	7.423-4	6.134-4	4.950-4	3.105-4	1.710-4	1.421-4	1.222-4	9.875-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
2	29	1.904-2	1.521-2	9.946-3	8.150-3	6.569-3	4.165-3	2.301-3	1.868-3	1.527-3	1.023-3
2	30	2.932-3	2.373-3	1.655-3	1.416-3	1.205-3	8.802-4	6.358-4	5.876-4	5.573-4	5.197-4
2	31	1.493-3	1.296-3	8.952-4	7.404-4	6.005-4	3.836-4	2.189-4	1.847-4	1.612-4	1.335-4
2	32	9.073-4	8.228-4	6.692-4	6.019-4	5.356-4	4.231-4	3.322-4	3.138-4	3.015-4	2.805-4
2	33	2.717-2	2.690-2	2.460-2	2.351-2	2.250-2	2.093-2	1.998-2	1.992-2	1.995-2	1.955-2
2	34	2.109-3	1.647-3	1.086-3	9.006-4	7.358-4	4.804-4	2.806-4	2.356-4	2.014-4	1.526-4
2	35	1.477-3	1.307-3	9.875-4	8.583-4	7.380-4	5.472-4	4.063-4	3.810-4	3.668-4	3.495-4
2	36	9.770-4	9.027-4	7.061-4	6.250-4	5.489-4	4.258-4	3.297-4	3.102-4	2.972-4	2.761-4
2	37	4.314-4	3.781-4	2.890-4	2.553-4	2.239-4	1.723-4	1.293-4	1.195-4	1.121-4	9.951-5
2	38	2.318-3	2.081-3	1.549-3	1.321-3	1.107-3	7.644-4	4.839-4	4.159-4	3.610-4	2.734-4
2	39	4.940-3	4.431-3	3.479-3	3.119-3	2.796-3	2.309-3	1.998-3	1.977-3	2.003-3	2.090-3
2	40	9.739-3	8.678-3	6.889-3	6.243-3	5.677-3	4.853-3	4.430-3	4.477-3	4.636-3	5.021-3
2	41	1.928-3	1.799-3	1.478-3	1.351-3	1.236-3	1.058-3	9.246-4	8.981-4	8.798-4	8.321-4
2	42	1.411-3	1.259-3	9.204-4	7.760-4	6.400-4	4.200-4	2.405-4	1.980-4	1.643-4	1.140-4
2	43	6.281-3	5.079-3	3.467-3	2.949-3	2.511-3	1.864-3	1.335-3	1.189-3	1.055-3	8.002-4
2	44	1.964-3	1.779-3	1.344-3	1.157-3	9.798-4	6.901-4	4.445-4	3.821-4	3.299-4	2.436-4
2	45	1.420-2	1.367-2	1.258-2	1.216-2	1.179-2	1.125-2	1.098-2	1.101-2	1.107-2	1.088-2
2	46	4.758-3	4.687-3	4.054-3	3.776-3	3.528-3	3.180-3	3.094-3	3.198-3	3.384-3	3.797-3
2	47	9.121-3	8.452-3	7.022-3	6.523-3	6.104-3	5.548-3	5.481-3	5.697-3	6.060-3	6.852-3
2	48	1.828-3	1.785-3	1.502-3	1.387-3	1.286-3	1.150-3	1.123-3	1.168-3	1.246-3	1.418-3
2	49	1.610-3	1.600-3	1.385-3	1.298-3	1.223-3	1.125-3	1.131-3	1.185-3	1.270-3	1.455-3
2	50	4.751-3	4.228-3	3.581-3	3.386-3	3.214-3	2.918-3	2.520-3	2.347-3	2.153-3	1.705-3
2	51	3.731-3	3.511-3	3.158-3	3.044-3	2.946-3	2.794-3	2.654-3	2.615-3	2.579-3	2.442-3
2	52	4.409-3	3.994-3	3.337-3	3.123-3	2.937-3	2.634-3	2.291-3	2.158-3	2.016-3	1.682-3
2	53	1.872-3	1.716-3	1.510-3	1.445-3	1.387-3	1.285-3	1.147-3	1.088-3	1.022-3	8.616-4
2	54	8.801-4	7.903-4	6.895-4	6.586-4	6.308-4	5.802-4	5.067-4	4.733-4	4.359-4	3.479-4
2	55	1.859-3	1.736-3	1.519-3	1.435-3	1.359-3	1.250-3	1.228-3	1.266-3	1.332-3	1.468-3
2	56	2.780-3	2.588-3	2.143-3	1.972-3	1.821-3	1.600-3	1.493-3	1.511-3	1.562-3	1.676-3
2	57	7.792-5	6.854-5	4.806-5	4.008-5	3.295-5	2.210-5	1.379-5	1.191-5	1.044-5	8.198-6
2	58	6.011-3	5.780-3	5.541-3	5.482-3	5.443-3	5.432-3	5.603-3	5.742-3	5.923-3	6.132-3
2	59	3.974-3	3.915-3	3.850-3	3.834-3	3.828-3	3.853-3	4.012-3	4.128-3	4.274-3	4.457-3
2	60	3.803-3	3.311-3	2.536-3	2.283-3	2.072-3	1.781-3	1.642-3	1.660-3	1.717-3	1.850-3
2	61	1.069-2	1.064-2	1.062-2	1.064-2	1.068-2	1.089-2	1.158-2	1.202-2	1.258-2	1.336-2
2	62	1.991-3	1.954-3	1.665-3	1.548-3	1.445-3	1.299-3	1.238-3	1.258-3	1.303-3	1.395-3
2	63	2.364-3	2.349-3	2.333-3	2.334-3	2.341-3	2.377-3	2.510-3	2.598-3	2.708-3	2.858-3
2	64	5.585-4	5.171-4	4.278-4	3.962-4	3.686-4	3.251-4	2.826-4	2.685-4	2.545-4	2.216-4
2	65	7.697-4	6.569-4	4.892-4	4.369-4	3.938-4	3.358-4	3.129-4	3.200-4	3.356-4	3.709-4
2	66	7.538-5	6.536-5	4.734-5	4.111-5	3.570-5	2.749-5	2.065-5	1.880-5	1.716-5	1.399-5
2	67	2.856-4	2.454-4	1.884-4	1.713-4	1.573-4	1.384-4	1.317-4	1.348-4	1.409-4	1.539-4
2	68	5.445-4	4.905-4	4.031-4	3.733-4	3.477-4	3.129-4	3.066-4	3.179-4	3.371-4	3.780-4
2	69	3.185-3	3.067-3	2.964-3	2.937-3	2.916-3	2.888-3	2.885-3	2.900-3	2.923-3	2.885-3
2	70	3.876-4	3.442-4	2.948-4	2.796-4	2.668-4	2.503-4	2.527-4	2.630-4	2.790-4	3.111-4
2	71	3.371-3	3.313-3	3.265-3	3.257-3	3.257-3	3.284-3	3.417-3	3.511-3	3.629-3	3.766-3
2	72	5.425-3	5.325-3	5.233-3	5.212-3	5.200-3	5.208-3	5.327-3	5.423-3	5.545-3	5.634-3
2	73	3.809-5	3.031-5	2.056-5	1.706-5	1.389-5	8.976-6	5.237-6	4.451-6	3.896-6	3.177-6
2	74	8.173-4	8.030-4	7.922-4	7.903-4	7.900-4	7.966-4	8.302-4	8.540-4	8.840-4	9.200-4
2	75	8.169-4	8.118-4	8.068-4	8.057-4	8.056-4	8.109-4	8.393-4	8.599-4	8.861-4	9.138-4
2	76	4.225-3	4.215-3	4.206-3	4.205-3	4.208-3	4.237-3	4.371-3	4.468-3	4.591-3	4.709-3
2	77	7.703-4	7.521-4	7.262-4	7.152-4	7.034-4	6.781-4	6.413-4	6.265-4	6.107-4	5.613-4
2	78	1.115-3	1.096-3	1.075-3	1.066-3	1.058-3	1.042-3	1.032-3	1.034-3	1.039-3	1.018-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
2	79	7.169-5	5.651-5	4.038-5	3.485-5	2.991-5	2.235-5	1.669-5	1.553-5	1.471-5	1.333-5
2	80	2.015-4	1.894-4	1.671-4	1.584-4	1.504-4	1.369-4	1.225-4	1.176-4	1.125-4	9.941-5
2	81	7.609-5	7.091-5	5.820-5	5.334-5	4.902-5	4.240-5	3.711-5	3.583-5	3.478-5	3.213-5
2	82	2.776-5	2.558-5	2.124-5	1.963-5	1.822-5	1.613-5	1.465-5	1.440-5	1.425-5	1.370-5
2	83	6.453-5	5.961-5	4.929-5	4.544-5	4.205-5	3.695-5	3.318-5	3.241-5	3.186-5	3.021-5
2	84	9.304-5	8.352-5	6.406-5	5.689-5	5.066-5	4.147-5	3.470-5	3.322-5	3.209-5	2.957-5
2	85	1.806-4	1.722-4	1.571-4	1.518-4	1.474-4	1.415-4	1.402-4	1.418-4	1.444-4	1.460-4
2	86	6.509-5	5.779-5	4.254-5	3.702-5	3.221-5	2.496-5	1.909-5	1.753-5	1.615-5	1.340-5
2	87	8.849-5	8.418-5	7.068-5	6.540-5	6.065-5	5.312-5	4.601-5	4.376-5	4.153-5	3.618-5
2	88	8.234-5	7.750-5	7.167-5	6.986-5	6.832-5	6.621-5	6.591-5	6.673-5	6.808-5	6.928-5
2	89	1.324-4	1.245-4	1.036-4	9.453-5	8.616-5	7.341-5	6.629-5	6.653-5	6.824-5	7.198-5
2	90	6.118-5	5.589-5	4.842-5	4.598-5	4.382-5	4.034-5	3.692-5	3.586-5	3.487-5	3.211-5
2	91	1.573-5	1.436-5	1.239-5	1.172-5	1.111-5	1.005-5	8.802-6	8.319-6	7.809-6	6.602-6
2	92	7.142-5	6.420-5	5.381-5	5.033-5	4.720-5	4.185-5	3.552-5	3.303-5	3.036-5	2.431-5
2	93	2.038-5	1.849-5	1.478-5	1.344-5	1.225-5	1.034-5	8.491-6	7.881-6	7.271-6	5.928-6
2	94	1.500-4	1.499-4	1.382-4	1.319-4	1.257-4	1.166-4	1.153-4	1.190-4	1.249-4	1.363-4
2	95	7.144-5	6.319-5	5.271-5	4.941-5	4.646-5	4.137-5	3.503-5	3.243-5	2.962-5	2.326-5
2	96	7.736-5	7.355-5	6.668-5	6.420-5	6.199-5	5.860-5	5.632-5	5.612-5	5.621-5	5.506-5
2	97	4.122-5	3.820-5	3.257-5	3.034-5	2.823-5	2.462-5	2.090-5	1.966-5	1.841-5	1.558-5
2	98	6.913-5	5.935-5	4.889-5	4.571-5	4.294-5	3.848-5	3.398-5	3.247-5	3.098-5	2.729-5
2	99	1.654-4	1.609-4	1.556-4	1.539-4	1.525-4	1.510-4	1.533-4	1.560-4	1.598-4	1.629-4
2	100	1.598-4	1.578-4	1.558-4	1.551-4	1.546-4	1.549-4	1.601-4	1.643-4	1.697-4	1.759-4
2	101	8.770-5	8.649-5	8.549-5	8.523-5	8.508-5	8.551-5	8.904-5	9.171-5	9.516-5	9.957-5
2	102	4.604-5	4.611-5	4.347-5	4.185-5	4.012-5	3.670-5	3.224-5	3.045-5	2.854-5	2.397-5
2	103	1.846-4	1.846-4	1.827-4	1.815-4	1.805-4	1.798-4	1.846-4	1.890-4	1.949-4	2.019-4
2	104	2.466-5	2.403-5	2.176-5	2.063-5	1.951-5	1.759-5	1.570-5	1.511-5	1.455-5	1.306-5
2	105	4.943-5	4.947-5	4.502-5	4.238-5	3.970-5	3.508-5	3.099-5	2.997-5	2.914-5	2.701-5
2	106	4.217-5	3.944-5	3.131-5	2.780-5	2.458-5	1.958-5	1.570-5	1.482-5	1.414-5	1.278-5
2	107	5.375-5	5.086-5	4.425-5	4.144-5	3.889-5	3.521-5	3.381-5	3.436-5	3.545-5	3.729-5
2	108	6.255-5	6.092-5	5.293-5	4.949-5	4.640-5	4.190-5	3.944-5	3.944-5	3.983-5	3.985-5
2	109	6.657-5	6.391-5	4.943-5	4.339-5	3.794-5	2.952-5	2.253-5	2.067-5	1.901-5	1.571-5
2	110	6.751-5	6.328-5	5.428-5	5.092-5	4.796-5	4.339-5	3.947-5	3.838-5	3.736-5	3.437-5
2	111	2.707-5	2.440-5	1.775-5	1.518-5	1.290-5	9.465-6	6.776-6	6.116-6	5.563-6	4.556-6
2	112	8.043-5	7.258-5	5.631-5	5.099-5	4.659-5	4.033-5	3.557-5	3.435-5	3.324-5	3.025-5
2	113	2.427-5	2.121-5	1.716-5	1.591-5	1.487-5	1.341-5	1.240-5	1.222-5	1.211-5	1.161-5
2	114	5.450-5	4.791-5	3.853-5	3.572-5	3.336-5	2.957-5	2.514-5	2.335-5	2.140-5	1.696-5
2	115	5.893-5	5.206-5	4.261-5	3.985-5	3.754-5	3.393-5	2.989-5	2.832-5	2.663-5	2.254-5
2	116	2.581-5	2.302-5	1.929-5	1.819-5	1.726-5	1.571-5	1.373-5	1.288-5	1.194-5	9.708-6
2	117	3.677-5	3.292-5	2.806-5	2.667-5	2.551-5	2.360-5	2.125-5	2.027-5	1.920-5	1.649-5
2	118	2.018-5	1.841-5	1.559-5	1.473-5	1.400-5	1.279-5	1.132-5	1.070-5	1.002-5	8.360-6
2	119	4.159-5	3.749-5	3.310-5	3.195-5	3.103-5	2.964-5	2.818-5	2.765-5	2.709-5	2.511-5
2	120	3.830-5	3.439-5	2.832-5	2.641-5	2.482-5	2.248-5	2.041-5	1.978-5	1.917-5	1.740-5
2	121	5.207-5	5.110-5	5.027-5	5.009-5	4.999-5	5.011-5	5.136-5	5.232-5	5.354-5	5.431-5
2	122	1.496-4	1.489-4	1.486-4	1.488-4	1.491-4	1.510-4	1.578-4	1.623-4	1.680-4	1.742-4
2	123	2.335-4	2.340-4	2.345-4	2.351-4	2.360-4	2.397-4	2.516-4	2.594-4	2.691-4	2.804-4
2	124	2.533-5	2.482-5	2.431-5	2.410-5	2.385-5	2.317-5	2.163-5	2.083-5	1.988-5	1.728-5
2	125	5.923-5	5.925-5	5.914-5	5.905-5	5.894-5	5.866-5	5.834-5	5.834-5	5.840-5	5.657-5
3	4	2.369-2	2.844-2	3.024-2	2.914-2	2.728-2	2.326-2	2.053-2	1.971-2	1.857-2	1.504-2
3	5	5.260-2	4.524-2	3.585-2	3.253-2	2.917-2	2.359-2	2.024-2	1.946-2	1.854-2	1.594-2
3	6	1.102-2	1.315-2	1.376-2	1.316-2	1.233-2	1.142-2	1.229-2	1.237-2	1.202-2	1.003-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
3	7	1.486-2	1.298-2	1.037-2	9.209-3	8.059-3	6.622-3	6.642-3	6.638-3	6.401-3	5.178-3
3	8	1.446-3	1.600-3	1.509-3	1.392-3	1.272-3	1.285-3	1.755-3	1.846-3	1.826-3	1.492-3
3	9	7.612-4	6.614-4	4.866-4	4.241-4	3.766-4	4.042-4	5.953-4	6.367-4	6.395-4	5.335-4
3	10	6.220-4	5.525-4	4.008-4	3.445-4	3.081-4	3.968-4	6.846-4	7.331-4	7.289-4	5.927-4
3	11	8.257-2	8.145-2	7.942-2	7.945-2	8.010-2	8.354-2	9.118-2	9.420-2	9.734-2	1.038-1
3	12	3.430-3	3.450-3	3.513-3	3.547-3	3.599-3	3.844-3	4.378-3	4.564-3	4.712-3	4.847-3
3	13	1.235-4	1.151-4	1.034-4	1.020-4	1.109-4	2.048-4	3.994-4	4.453-4	4.614-4	4.011-4
3	14	3.889-4	3.883-4	3.876-4	3.894-4	3.964-4	4.461-4	5.603-4	5.993-4	6.244-4	6.165-4
3	15	1.565-5	1.566-5	1.580-5	1.662-5	1.948-5	3.416-5	5.821-5	6.582-5	7.032-5	6.585-5
3	16	6.670-4	7.038-4	5.973-4	5.286-4	4.518-4	2.993-4	1.503-4	1.140-4	8.651-5	5.074-5
3	17	7.381-4	7.155-4	5.823-4	5.072-4	4.260-4	2.737-4	1.349-4	1.020-4	7.709-5	4.422-5
3	18	1.156-3	1.463-3	1.336-3	1.175-3	9.910-4	6.359-4	3.084-4	2.309-4	1.725-4	9.645-5
3	19	5.900-3	5.187-3	3.760-3	3.153-3	2.576-3	1.633-3	8.801-4	7.163-4	5.987-4	4.527-4
3	20	1.832-2	1.676-2	1.283-2	1.089-2	8.957-3	5.685-3	3.029-3	2.464-3	2.073-3	1.627-3
3	21	1.430-3	1.708-3	1.489-3	1.287-3	1.068-3	6.763-4	3.427-4	2.678-4	2.128-4	1.423-4
3	22	1.786-3	1.807-3	1.412-3	1.199-3	9.868-4	6.250-4	3.248-4	2.576-4	2.082-4	1.442-4
3	23	5.420-3	4.978-3	3.706-3	3.117-3	2.549-3	1.612-3	8.490-4	6.734-4	5.384-4	3.492-4
3	24	5.663-3	5.136-3	3.644-3	3.062-3	2.542-3	1.748-3	1.132-3	9.884-4	8.744-4	6.918-4
3	25	1.710-2	1.252-2	7.828-3	6.397-3	5.174-3	3.357-3	1.973-3	1.655-3	1.403-3	1.023-3
3	26	3.549-3	3.280-3	2.487-3	2.181-3	1.908-3	1.485-3	1.127-3	1.031-3	9.460-4	7.835-4
3	27	2.125-2	2.053-2	1.816-2	1.721-2	1.637-2	1.512-2	1.434-2	1.425-2	1.422-2	1.383-2
3	28	6.793-3	6.202-3	4.870-3	4.393-3	3.977-3	3.355-3	2.867-3	2.749-3	2.649-3	2.416-3
3	29	1.116-3	8.985-4	5.925-4	4.863-4	3.921-4	2.473-4	1.337-4	1.072-4	8.638-5	5.601-5
3	30	7.025-3	6.177-3	4.636-3	4.089-3	3.609-3	2.881-3	2.325-3	2.205-3	2.117-3	1.952-3
3	31	7.166-3	5.967-3	3.980-3	3.321-3	2.757-3	1.921-3	1.261-3	1.094-3	9.525-4	7.114-4
3	32	6.037-3	5.363-3	4.499-3	4.219-3	3.967-3	3.560-3	3.243-3	3.194-3	3.181-3	3.133-3
3	33	9.519-4	8.691-4	6.224-4	5.148-4	4.137-4	2.512-4	1.224-4	9.363-5	7.210-5	4.367-5
3	34	6.613-3	5.162-3	3.778-3	3.365-3	2.998-3	2.401-3	1.848-3	1.687-3	1.541-3	1.258-3
3	35	4.828-3	4.430-3	3.926-3	3.663-3	3.379-3	2.835-3	2.219-3	2.007-3	1.796-3	1.368-3
3	36	2.754-2	2.766-2	2.763-2	2.753-2	2.740-2	2.725-2	2.798-2	2.878-2	2.992-2	3.178-2
3	37	1.986-2	1.994-2	2.004-2	2.008-2	2.012-2	2.027-2	2.110-2	2.180-2	2.275-2	2.433-2
3	38	7.227-3	6.487-3	5.512-3	5.010-3	4.492-3	3.574-3	2.745-3	2.535-3	2.361-3	2.046-3
3	39	2.998-4	2.564-4	1.806-4	1.532-4	1.287-4	9.036-5	5.873-5	5.065-5	4.377-5	3.211-5
3	40	4.480-4	3.985-4	2.880-4	2.482-4	2.131-4	1.589-4	1.134-4	1.012-4	9.039-5	7.060-5
3	41	4.293-3	4.436-3	4.321-3	4.201-3	4.069-3	3.811-3	3.538-3	3.464-3	3.404-3	3.226-3
3	42	2.992-3	3.566-3	3.392-3	3.131-3	2.842-3	2.300-3	1.741-3	1.566-3	1.400-3	1.079-3
3	43	2.751-4	2.202-4	1.465-4	1.230-4	1.025-4	7.121-5	4.566-5	3.913-5	3.359-5	2.427-5
3	44	1.452-4	1.255-4	8.984-5	7.490-5	6.062-5	3.709-5	1.797-5	1.370-5	1.053-5	6.434-6
3	45	5.763-4	5.220-4	3.946-4	3.439-4	2.972-4	2.222-4	1.574-4	1.402-4	1.252-4	9.856-5
3	46	2.569-4	2.035-4	1.371-4	1.153-4	9.596-5	6.590-5	4.131-5	3.522-5	3.020-5	2.204-5
3	47	2.745-4	2.078-4	1.339-4	1.112-4	9.182-5	6.315-5	4.125-5	3.618-5	3.218-5	2.581-5
3	48	7.237-3	6.118-3	4.910-3	4.580-3	4.315-3	3.956-3	3.754-3	3.736-3	3.737-3	3.645-3
3	49	7.254-3	5.314-3	3.811-3	3.443-3	3.153-3	2.764-3	2.522-3	2.486-3	2.467-3	2.380-3
3	50	1.302-4	1.376-4	1.251-4	1.148-4	1.034-4	8.149-5	5.881-5	5.192-5	4.555-5	3.366-5
3	51	1.210-4	1.152-4	9.801-5	8.937-5	8.045-5	6.412-5	4.740-5	4.223-5	3.738-5	2.812-5
3	52	2.409-4	2.062-4	1.649-4	1.492-4	1.340-4	1.075-4	8.121-5	7.321-5	6.575-5	5.132-5
3	53	1.065-4	9.697-5	8.058-5	7.378-5	6.707-5	5.508-5	4.275-5	3.884-5	3.509-5	2.757-5
3	54	5.780-5	5.423-5	4.835-5	4.547-5	4.246-5	3.674-5	3.020-5	2.789-5	2.555-5	2.051-5
3	55	1.267-4	1.094-4	8.830-5	8.053-5	7.342-5	6.233-5	5.434-5	5.294-5	5.211-5	4.985-5
3	56	1.070-4	9.010-5	6.644-5	5.783-5	5.006-5	3.786-5	2.792-5	2.546-5	2.342-5	1.974-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
3	57	2.181-3	2.242-3	1.823-3	1.618-3	1.430-3	1.146-3	9.660-4	9.522-4	9.653-4	1.015-3
3	58	1.258-4	1.205-4	1.039-4	9.393-5	8.304-5	6.239-5	4.195-5	3.617-5	3.108-5	2.226-5
3	59	2.076-4	2.072-4	1.986-4	1.928-4	1.863-4	1.746-4	1.672-4	1.679-4	1.706-4	1.743-4
3	60	6.456-5	5.321-5	3.479-5	2.848-5	2.301-5	1.485-5	8.717-6	7.349-6	6.304-6	4.778-6
3	61	2.194-4	1.785-4	1.433-4	1.323-4	1.220-4	1.039-4	8.328-5	7.577-5	6.808-5	5.198-5
3	62	1.092-4	9.408-5	6.987-5	6.077-5	5.247-5	3.930-5	2.825-5	2.539-5	2.295-5	1.854-5
3	63	1.314-4	1.299-4	1.269-4	1.253-4	1.237-4	1.211-4	1.218-4	1.241-4	1.279-4	1.335-4
3	64	1.827-4	1.759-4	1.619-4	1.567-4	1.521-4	1.455-4	1.423-4	1.425-4	1.431-4	1.400-4
3	65	2.176-4	2.041-4	1.592-4	1.387-4	1.191-4	8.703-5	5.944-5	5.220-5	4.599-5	3.516-5
3	66	3.859-3	3.729-3	3.160-3	2.941-3	2.753-3	2.500-3	2.444-3	2.519-3	2.651-3	2.931-3
3	67	3.153-4	3.019-4	2.732-4	2.614-4	2.506-4	2.347-4	2.252-4	2.245-4	2.247-4	2.190-4
3	68	2.797-4	2.509-4	2.053-4	1.905-4	1.782-4	1.612-4	1.520-4	1.518-4	1.530-4	1.525-4
3	69	9.899-5	8.374-5	6.279-5	5.618-5	5.043-5	4.129-5	3.223-5	2.919-5	2.617-5	1.995-5
3	70	1.470-4	1.288-4	9.370-5	8.128-5	7.043-5	5.418-5	4.177-5	3.894-5	3.674-5	3.273-5
3	71	5.118-5	4.282-5	3.054-5	2.620-5	2.230-5	1.619-5	1.101-5	9.617-6	8.395-6	6.225-6
3	72	5.801-5	4.368-5	2.657-5	2.145-5	1.714-5	1.086-5	6.167-6	5.111-6	4.298-6	3.116-6
3	73	5.655-3	5.252-3	4.915-3	4.842-3	4.792-3	4.752-3	4.820-3	4.891-3	4.985-3	5.033-3
3	74	6.754-5	5.914-5	4.619-5	4.158-5	3.758-5	3.183-5	2.889-5	2.913-5	3.009-5	3.240-5
3	75	4.857-5	4.660-5	3.705-5	3.286-5	2.901-5	2.287-5	1.751-5	1.599-5	1.460-5	1.184-5
3	76	4.246-5	3.735-5	2.823-5	2.473-5	2.151-5	1.624-5	1.141-5	1.000-5	8.708-6	6.331-6
3	77	1.022-4	9.141-5	6.744-5	5.867-5	5.103-5	3.974-5	3.171-5	3.023-5	2.940-5	2.823-5
3	78	1.665-4	1.468-4	1.179-4	1.082-4	9.980-5	8.711-5	7.691-5	7.442-5	7.240-5	6.732-5
3	79	6.619-3	6.615-3	6.613-3	6.616-3	6.623-3	6.666-3	6.837-3	6.959-3	7.112-3	7.212-3
3	80	6.070-5	5.030-5	3.236-5	2.619-5	2.090-5	1.315-5	7.388-6	6.068-6	5.023-6	3.444-6
3	81	1.797-4	1.579-4	1.162-4	1.020-4	8.998-5	7.204-5	5.641-5	5.158-5	4.684-5	3.689-5
3	82	1.100-4	1.035-4	8.934-5	8.428-5	8.008-5	7.518-5	7.784-5	8.230-5	8.892-5	1.027-4
3	83	2.712-4	2.480-4	2.140-4	2.034-4	1.948-4	1.852-4	1.911-4	2.004-4	2.141-4	2.413-4
3	84	7.234-5	6.712-5	5.790-5	5.466-5	5.178-5	4.692-5	4.100-5	3.851-5	3.575-5	2.909-5
3	85	2.109-5	1.778-5	1.185-5	9.885-6	8.240-6	5.888-6	4.171-6	3.779-6	3.466-6	2.922-6
3	86	5.921-5	5.385-5	4.177-5	3.740-5	3.363-5	2.809-5	2.405-5	2.326-5	2.278-5	2.183-5
3	87	2.492-5	2.035-5	1.317-5	1.091-5	9.032-6	6.349-6	4.295-6	3.770-6	3.312-6	2.492-6
3	88	1.864-4	1.788-4	1.704-4	1.681-4	1.660-4	1.625-4	1.581-4	1.565-4	1.549-4	1.467-4
3	89	1.728-5	1.593-5	1.379-5	1.309-5	1.251-5	1.173-5	1.143-5	1.153-5	1.171-5	1.179-5
3	90	1.916-4	1.844-4	1.765-4	1.740-4	1.717-4	1.670-4	1.591-4	1.553-4	1.511-4	1.375-4
3	91	6.313-5	5.912-5	5.420-5	5.267-5	5.125-5	4.832-5	4.307-5	4.043-5	3.735-5	2.988-5
3	92	2.114-4	2.009-4	1.885-4	1.844-4	1.803-4	1.712-4	1.531-4	1.437-4	1.327-4	1.060-4
3	93	2.443-5	2.178-5	1.882-5	1.801-5	1.736-5	1.647-5	1.601-5	1.608-5	1.628-5	1.646-5
3	94	1.993-5	1.812-5	1.632-5	1.584-5	1.547-5	1.500-5	1.487-5	1.497-5	1.514-5	1.506-5
3	95	1.966-5	1.598-5	1.190-5	1.081-5	9.927-6	8.591-6	7.158-6	6.608-6	6.025-6	4.730-6
3	96	3.578-4	3.561-4	3.550-4	3.552-4	3.559-4	3.596-4	3.727-4	3.815-4	3.924-4	4.024-4
3	97	2.207-4	2.203-4	2.203-4	2.207-4	2.215-4	2.249-4	2.358-4	2.430-4	2.518-4	2.619-4
3	98	5.918-6	4.403-6	2.721-6	2.289-6	1.952-6	1.492-6	1.125-6	1.021-6	9.244-7	7.358-7
3	99	6.876-5	6.713-5	6.551-5	6.500-5	6.446-5	6.313-5	6.012-5	5.853-5	5.664-5	5.084-5
3	100	1.632-5	1.574-5	1.515-5	1.495-5	1.476-5	1.441-5	1.394-5	1.374-5	1.351-5	1.257-5
3	101	4.456-6	4.101-6	3.776-6	3.671-6	3.573-6	3.415-6	3.301-6	3.273-6	3.243-6	3.066-6
3	102	1.069-5	1.045-5	1.014-5	9.998-6	9.834-6	9.388-6	8.384-6	7.852-6	7.230-6	5.738-6
3	103	1.405-4	1.401-4	1.388-4	1.380-4	1.369-4	1.334-4	1.250-4	1.204-4	1.151-4	1.002-4
3	104	1.879-6	1.798-6	1.677-6	1.626-6	1.573-6	1.469-6	1.323-6	1.260-6	1.190-6	1.015-6
3	105	5.821-5	5.816-5	5.785-5	5.763-5	5.735-5	5.653-5	5.481-5	5.399-5	5.305-5	4.941-5
3	106	3.883-6	3.823-6	3.589-6	3.482-6	3.382-6	3.232-6	3.166-6	3.190-6	3.246-6	3.312-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
3	107	2.324-6	2.157-6	1.843-6	1.720-6	1.607-6	1.422-6	1.244-6	1.186-6	1.130-6	9.929-7
3	108	2.227-6	2.190-6	1.893-6	1.755-6	1.624-6	1.401-6	1.156-6	1.066-6	9.705-7	7.604-7
3	109	8.629-7	7.803-7	5.479-7	4.591-7	3.809-7	2.627-7	1.686-7	1.447-7	1.243-7	8.980-8
3	110	7.803-7	6.698-7	4.837-7	4.194-7	3.641-7	2.822-7	2.178-7	2.015-7	1.873-7	1.593-7
3	111	5.400-7	5.121-7	4.435-7	4.169-7	3.926-7	3.515-7	3.048-7	2.866-7	2.669-7	2.204-7
3	112	6.451-7	5.971-7	4.869-7	4.486-7	4.153-7	3.618-7	3.038-7	2.818-7	2.583-7	2.052-7
3	113	1.686-6	1.518-6	1.229-6	1.121-6	1.024-6	8.687-7	7.146-7	6.615-7	6.071-7	4.866-7
3	114	5.490-7	4.788-7	3.863-7	3.592-7	3.363-7	2.993-7	2.550-7	2.367-7	2.167-7	1.711-7
3	115	4.414-7	3.427-7	2.334-7	2.034-7	1.791-7	1.429-7	1.085-7	9.714-8	8.621-8	6.495-8
3	116	1.141-6	1.109-6	1.074-6	1.066-6	1.061-6	1.064-6	1.100-6	1.126-6	1.157-6	1.183-6
3	117	3.714-6	3.675-6	3.632-6	3.621-6	3.614-6	3.609-6	3.628-6	3.651-6	3.680-6	3.616-6
3	118	1.577-7	1.482-7	1.353-7	1.313-7	1.276-7	1.211-7	1.119-7	1.077-7	1.028-7	8.955-8
3	119	2.240-6	2.163-6	2.063-6	2.025-6	1.984-6	1.884-6	1.677-6	1.569-6	1.443-6	1.141-6
3	120	1.263-6	1.183-6	9.174-7	8.189-7	7.348-7	6.145-7	5.354-7	5.242-7	5.214-7	5.156-7
3	121	1.167-7	1.085-7	9.620-8	9.241-8	8.931-8	8.535-8	8.394-8	8.411-8	8.446-8	8.240-8
3	122	4.090-7	3.910-7	3.716-7	3.653-7	3.591-7	3.456-7	3.196-7	3.065-7	2.912-7	2.503-7
3	123	1.244-6	1.219-6	1.181-6	1.165-6	1.148-6	1.101-6	9.966-7	9.410-7	8.756-7	7.128-7
3	124	3.317-6	3.276-6	3.219-6	3.190-6	3.153-6	3.041-6	2.764-6	2.611-6	2.428-6	1.968-6
3	125	2.311-6	2.313-6	2.311-6	2.309-6	2.306-6	2.296-6	2.278-6	2.274-6	2.269-6	2.180-6
4	5	7.568-2	6.939-2	5.928-2	5.471-2	4.972-2	4.149-2	3.830-2	3.765-2	3.625-2	3.047-2
4	6	2.177-2	2.632-2	2.762-2	2.626-2	2.422-2	2.093-2	2.046-2	2.014-2	1.918-2	1.535-2
4	7	1.941-2	1.840-2	1.586-2	1.437-2	1.264-2	9.712-3	8.169-3	7.769-3	7.209-3	5.548-3
4	8	3.374-2	3.496-2	3.161-2	2.930-2	2.678-2	2.346-2	2.375-2	2.369-2	2.292-2	1.920-2
4	9	5.066-3	4.832-3	4.182-3	3.901-3	3.689-3	4.117-3	5.794-3	6.048-3	5.946-3	4.863-3
4	10	7.333-3	7.291-3	6.221-3	5.601-3	5.023-3	4.796-3	5.996-3	6.238-3	6.168-3	5.114-3
4	11	7.747-2	7.648-2	7.241-2	7.160-2	7.153-2	7.374-2	8.030-2	8.305-2	8.597-2	9.227-2
4	12	6.966-2	7.035-2	7.267-2	7.381-2	7.511-2	7.863-2	8.538-2	8.812-2	9.104-2	9.697-2
4	13	3.075-3	2.988-3	2.906-3	2.894-3	2.941-3	3.645-3	5.422-3	5.836-3	5.960-3	5.397-3
4	14	1.299-3	1.295-3	1.283-3	1.282-3	1.307-3	1.613-3	2.301-3	2.439-3	2.457-3	2.156-3
4	15	8.618-4	8.639-4	8.689-4	8.745-4	8.921-4	1.007-3	1.244-3	1.318-3	1.366-3	1.360-3
4	16	1.875-4	1.843-4	1.646-4	1.502-4	1.320-4	9.087-5	4.571-5	3.411-5	2.517-5	1.345-5
4	17	1.137-3	1.124-3	9.663-4	8.626-4	7.405-4	4.898-4	2.425-4	1.822-4	1.366-4	7.737-5
4	18	1.146-3	1.448-3	1.508-3	1.397-3	1.232-3	8.417-4	4.211-4	3.150-4	2.336-4	1.269-4
4	19	2.610-2	2.279-2	1.623-2	1.372-2	1.134-2	7.299-3	3.865-3	3.098-3	2.549-3	1.890-3
4	20	1.165-2	1.123-2	8.957-3	7.676-3	6.351-3	4.009-3	1.992-3	1.533-3	1.194-3	7.644-4
4	21	1.072-3	1.388-3	1.364-3	1.240-3	1.076-3	7.186-4	3.545-4	2.650-4	1.969-4	1.087-4
4	22	9.730-4	1.039-3	9.157-4	8.168-4	7.004-4	4.614-4	2.243-4	1.663-4	1.221-4	6.495-5
4	23	5.255-3	5.329-3	4.234-3	3.608-3	2.973-3	1.879-3	9.534-4	7.395-4	5.769-4	3.575-4
4	24	1.291-2	1.113-2	7.851-3	6.631-3	5.533-3	3.825-3	2.481-3	2.174-3	1.939-3	1.581-3
4	25	1.807-2	1.442-2	9.329-3	7.583-3	6.052-3	3.745-3	2.012-3	1.638-3	1.363-3	9.959-4
4	26	3.521-2	3.061-2	2.340-2	2.105-2	1.903-2	1.605-2	1.382-2	1.334-2	1.298-2	1.212-2
4	27	4.108-3	3.684-3	2.632-3	2.217-3	1.843-3	1.260-3	7.876-4	6.699-4	5.718-4	4.111-4
4	28	2.307-3	2.040-3	1.495-3	1.281-3	1.083-3	7.620-4	4.961-4	4.334-4	3.844-4	3.089-4
4	29	3.350-2	3.060-2	2.261-2	1.898-2	1.550-2	9.823-3	5.374-3	4.460-3	3.851-3	3.197-3
4	30	8.807-3	7.365-3	4.928-3	4.088-3	3.351-3	2.223-3	1.335-3	1.127-3	9.636-4	7.154-4
4	31	9.849-3	9.162-3	7.349-3	6.647-3	6.019-3	5.052-3	4.318-3	4.164-3	4.050-3	3.786-3
4	32	2.042-2	1.756-2	1.346-2	1.201-2	1.063-2	8.279-3	6.207-3	5.720-3	5.355-3	4.765-3
4	33	1.036-2	9.337-3	6.504-3	5.359-3	4.315-3	2.681-3	1.410-3	1.126-3	9.129-4	6.225-4
4	34	3.378-2	2.807-2	2.314-2	2.175-2	2.051-2	1.848-2	1.711-2	1.707-2	1.729-2	1.769-2
4	35	3.257-2	3.227-2	3.187-2	3.156-2	3.117-2	3.042-2	3.035-2	3.087-2	3.173-2	3.303-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
4	36	9.830-3	9.216-3	8.450-3	8.166-3	7.898-3	7.461-3	7.247-3	7.319-3	7.481-3	7.728-3
4	37	3.366-3	2.822-3	2.142-3	1.909-3	1.700-3	1.367-3	1.102-3	1.046-3	1.010-3	9.496-4
4	38	4.750-3	4.552-3	3.908-3	3.536-3	3.135-3	2.367-3	1.598-3	1.385-3	1.203-3	8.934-4
4	39	3.132-2	2.991-2	2.593-2	2.420-2	2.262-2	2.021-2	1.856-2	1.829-2	1.814-2	1.747-2
4	40	1.060-2	9.341-3	6.589-3	5.519-3	4.562-3	3.097-3	1.942-3	1.661-3	1.429-3	1.053-3
4	41	3.262-3	3.173-3	2.771-3	2.575-3	2.374-3	1.997-3	1.572-3	1.426-3	1.281-3	9.865-4
4	42	8.595-3	8.361-3	7.649-3	7.330-3	7.008-3	6.437-3	6.012-3	5.984-3	6.028-3	6.071-3
4	43	7.005-3	6.254-3	4.772-3	4.221-3	3.726-3	2.959-3	2.358-3	2.224-3	2.124-3	1.937-3
4	44	8.259-4	7.141-4	5.174-4	4.339-4	3.530-4	2.162-4	1.019-4	7.602-5	5.675-5	3.205-5
4	45	2.289-3	2.281-3	1.774-3	1.498-3	1.226-3	7.729-4	4.019-4	3.175-4	2.537-4	1.674-4
4	46	6.815-3	6.327-3	4.808-3	4.226-3	3.714-3	2.945-3	2.342-3	2.195-3	2.072-3	1.825-3
4	47	6.179-3	5.188-3	3.566-3	3.051-3	2.618-3	1.980-3	1.468-3	1.333-3	1.215-3	9.924-4
4	48	1.625-3	1.456-3	1.040-3	8.875-4	7.542-4	5.511-4	3.835-4	3.386-4	2.989-4	2.266-4
4	49	1.709-3	1.420-3	9.486-4	7.885-4	6.501-4	4.430-4	2.797-4	2.390-4	2.048-4	1.479-4
4	50	4.453-3	4.233-3	3.796-3	3.562-3	3.311-3	2.832-3	2.352-3	2.216-3	2.098-3	1.853-3
4	51	1.781-2	1.760-2	1.737-2	1.728-2	1.720-2	1.711-2	1.759-2	1.810-2	1.881-2	1.993-2
4	52	4.027-3	3.672-3	3.232-3	3.052-3	2.867-3	2.513-3	2.091-3	1.939-3	1.784-3	1.448-3
4	53	1.997-2	1.986-2	1.978-2	1.976-2	1.975-2	1.980-2	2.058-2	2.125-2	2.217-2	2.363-2
4	54	1.324-2	1.329-2	1.335-2	1.336-2	1.338-2	1.345-2	1.400-2	1.447-2	1.511-2	1.612-2
4	55	5.079-4	4.534-4	3.238-4	2.684-4	2.162-4	1.323-4	6.535-5	5.024-5	3.879-5	2.332-5
4	56	1.025-3	9.417-4	7.465-4	6.684-4	5.969-4	4.855-4	4.024-4	3.859-4	3.745-4	3.503-4
4	57	1.392-4	1.337-4	1.004-4	8.557-5	7.197-5	5.077-5	3.452-5	3.100-5	2.840-5	2.444-5
4	58	2.629-3	2.576-3	2.404-3	2.300-3	2.183-3	1.938-3	1.618-3	1.495-3	1.367-3	1.089-3
4	59	1.859-3	1.836-3	1.726-3	1.663-3	1.594-3	1.447-3	1.241-3	1.156-3	1.064-3	8.588-4
4	60	6.482-4	5.492-4	3.756-4	3.127-4	2.567-4	1.709-4	1.054-4	9.097-5	8.019-5	6.453-5
4	61	2.824-3	2.585-3	2.351-3	2.261-3	2.169-3	1.976-3	1.693-3	1.572-3	1.440-3	1.142-3
4	62	2.309-3	2.114-3	1.813-3	1.702-3	1.601-3	1.447-3	1.337-3	1.319-3	1.307-3	1.255-3
4	63	1.010-3	9.938-4	9.635-4	9.470-4	9.273-4	8.775-4	7.815-4	7.342-4	6.804-4	5.520-4
4	64	3.756-4	3.297-4	2.377-4	2.030-4	1.717-4	1.229-4	8.223-5	7.158-5	6.238-5	4.635-5
4	65	1.303-2	1.305-2	1.242-2	1.210-2	1.179-2	1.133-2	1.112-2	1.115-2	1.122-2	1.103-2
4	66	3.959-4	3.517-4	2.518-4	2.116-4	1.751-4	1.186-4	7.474-5	6.464-5	5.672-5	4.437-5
4	67	1.025-3	9.653-4	7.653-4	6.699-4	5.780-4	4.254-4	2.904-4	2.535-4	2.210-4	1.633-4
4	68	1.224-3	9.931-4	6.597-4	5.430-4	4.399-4	2.828-4	1.610-4	1.327-4	1.103-4	7.683-5
4	69	5.646-4	4.932-4	3.849-4	3.437-4	3.056-4	2.450-4	2.018-4	1.960-4	1.949-4	1.961-4
4	70	9.120-4	8.365-4	6.113-4	5.166-4	4.297-4	2.940-4	1.883-4	1.642-4	1.455-4	1.161-4
4	71	5.126-4	4.429-4	3.292-4	2.851-4	2.444-4	1.790-4	1.236-4	1.095-4	9.779-5	7.801-5
4	72	3.513-4	3.262-4	2.441-4	2.064-4	1.705-4	1.118-4	6.408-5	5.306-5	4.455-5	3.222-5
4	73	2.856-4	2.556-4	1.872-4	1.578-4	1.305-4	8.783-5	5.563-5	4.887-5	4.403-5	3.721-5
4	74	1.277-3	1.135-3	8.921-4	7.994-4	7.171-4	5.968-4	5.323-4	5.354-4	5.525-4	5.951-4
4	75	9.156-4	8.635-4	6.890-4	6.141-4	5.460-4	4.439-4	3.835-4	3.816-4	3.902-4	4.148-4
4	76	3.333-4	3.369-4	2.882-4	2.601-4	2.314-4	1.805-4	1.312-4	1.166-4	1.031-4	7.796-5
4	77	2.003-3	1.822-3	1.418-3	1.266-3	1.133-3	9.422-4	8.469-4	8.563-4	8.894-4	9.700-4
4	78	1.759-3	1.503-3	1.080-3	9.326-4	8.059-4	6.229-4	5.101-4	4.999-4	5.049-4	5.285-4
4	79	1.008-3	8.420-4	6.035-4	5.120-4	4.296-4	3.039-4	2.091-4	1.884-4	1.730-4	1.487-4
4	80	1.229-3	1.116-3	7.843-4	6.582-4	5.490-4	3.925-4	2.983-4	2.905-4	2.953-4	3.201-4
4	81	7.055-3	6.318-3	4.816-3	4.319-3	3.912-3	3.380-3	3.220-3	3.321-3	3.512-3	3.930-3
4	82	9.868-4	8.977-4	7.267-4	6.686-4	6.197-4	5.527-4	5.232-4	5.294-4	5.451-4	5.758-4
4	83	2.167-3	1.873-3	1.461-3	1.333-3	1.227-3	1.086-3	1.021-3	1.032-3	1.061-3	1.119-3
4	84	6.123-4	5.340-4	3.978-4	3.533-4	3.157-4	2.604-4	2.137-4	2.003-4	1.878-4	1.610-4
4	85	3.824-4	3.330-4	2.317-4	1.976-4	1.688-4	1.268-4	9.278-5	8.338-5	7.474-5	5.795-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
4	86	9.419-4	8.425-4	6.945-4	6.481-4	6.103-4	5.629-4	5.608-4	5.805-4	6.125-4	6.766-4
4	87	3.598-4	3.008-4	2.141-4	1.869-4	1.641-4	1.312-4	1.043-4	9.682-5	8.990-5	7.550-5
4	88	3.219-3	3.093-3	2.979-3	2.953-3	2.936-3	2.925-3	2.967-3	3.006-3	3.057-3	3.068-3
4	89	2.481-4	2.257-4	1.884-4	1.753-4	1.638-4	1.468-4	1.349-4	1.329-4	1.319-4	1.273-4
4	90	4.251-3	4.024-3	3.848-3	3.813-3	3.793-3	3.797-3	3.912-3	3.998-3	4.108-3	4.207-3
4	91	2.067-3	2.028-3	1.993-3	1.988-3	1.987-3	2.004-3	2.081-3	2.133-3	2.199-3	2.264-3
4	92	8.486-3	8.399-3	8.337-3	8.338-3	8.357-3	8.468-3	8.861-3	9.119-3	9.438-3	9.796-3
4	93	1.650-4	1.439-4	1.191-4	1.121-4	1.064-4	9.760-5	8.841-5	8.508-5	8.167-5	7.296-5
4	94	4.041-4	3.860-4	3.633-4	3.563-4	3.507-4	3.450-4	3.503-4	3.569-4	3.657-4	3.727-4
4	95	4.167-4	3.727-4	3.228-4	3.085-4	2.959-4	2.735-4	2.407-4	2.255-4	2.082-4	1.669-4
4	96	3.330-3	3.314-3	3.293-3	3.287-3	3.283-3	3.283-3	3.311-3	3.339-3	3.375-3	3.342-3
4	97	1.835-3	1.828-3	1.818-3	1.815-3	1.812-3	1.812-3	1.827-3	1.842-3	1.862-3	1.844-3
4	98	3.286-4	2.980-4	2.669-4	2.579-4	2.496-4	2.335-4	2.067-4	1.936-4	1.784-4	1.421-4
4	99	5.169-4	5.016-4	4.843-4	4.781-4	4.716-4	4.559-4	4.238-4	4.072-4	3.879-4	3.357-4
4	100	3.692-4	3.631-4	3.565-4	3.546-4	3.531-4	3.507-4	3.500-4	3.510-4	3.526-4	3.444-4
4	101	1.076-4	1.047-4	1.020-4	1.012-4	1.005-4	9.936-5	9.823-5	9.801-5	9.787-5	9.444-5
4	102	2.950-4	2.911-4	2.846-4	2.814-4	2.775-4	2.668-4	2.431-4	2.304-4	2.155-4	1.780-4
4	103	9.144-4	9.115-4	9.032-4	8.979-4	8.910-4	8.704-4	8.222-4	7.968-4	7.669-4	6.805-4
4	104	1.147-4	1.137-4	1.127-4	1.124-4	1.123-4	1.125-4	1.147-4	1.164-4	1.186-4	1.193-4
4	105	4.231-4	4.216-4	4.161-4	4.125-4	4.077-4	3.934-4	3.594-4	3.409-4	3.192-4	2.641-4
4	106	6.943-5	6.632-5	5.972-5	5.705-5	5.461-5	5.073-5	4.751-5	4.677-5	4.621-5	4.410-5
4	107	3.480-5	3.444-5	3.332-5	3.289-5	3.255-5	3.223-5	3.282-5	3.343-5	3.424-5	3.486-5
4	108	6.798-5	6.451-5	5.221-5	4.704-5	4.232-5	3.475-5	2.772-5	2.551-5	2.334-5	1.877-5
4	109	7.256-5	7.035-5	5.933-5	5.495-5	5.121-5	4.631-5	4.540-5	4.682-5	4.922-5	5.389-5
4	110	4.195-5	3.514-5	2.510-5	2.178-5	1.895-5	1.477-5	1.129-5	1.030-5	9.357-6	7.447-6
4	111	1.523-5	1.397-5	1.100-5	9.944-6	9.060-6	7.919-6	7.735-6	8.083-6	8.674-6	9.955-6
4	112	2.993-5	2.755-5	2.276-5	2.121-5	1.994-5	1.822-5	1.735-5	1.741-5	1.769-5	1.805-5
4	113	7.675-6	7.061-6	5.972-6	5.546-6	5.153-6	4.500-6	3.810-6	3.560-6	3.301-6	2.710-6
4	114	8.967-5	8.674-5	8.376-5	8.310-5	8.270-5	8.269-5	8.468-5	8.626-5	8.825-5	8.946-5
4	115	3.931-5	3.445-5	2.997-5	2.877-5	2.774-5	2.585-5	2.286-5	2.141-5	1.975-5	1.576-5
4	116	2.634-5	2.541-5	2.428-5	2.392-5	2.357-5	2.280-5	2.132-5	2.057-5	1.968-5	1.716-5
4	117	4.915-5	4.789-5	4.624-5	4.565-5	4.503-5	4.350-5	4.020-5	3.844-5	3.635-5	3.082-5
4	118	1.400-5	1.363-5	1.314-5	1.301-5	1.294-5	1.293-5	1.328-5	1.355-5	1.388-5	1.410-5
4	119	8.841-5	8.750-5	8.602-5	8.539-5	8.470-5	8.290-5	7.904-5	7.707-5	7.476-5	6.748-5
4	120	4.538-6	4.337-6	3.470-6	3.132-6	2.840-6	2.420-6	2.152-6	2.120-6	2.117-6	2.101-6
4	121	1.058-5	1.039-5	1.022-5	1.019-5	1.017-5	1.021-5	1.045-5	1.063-5	1.084-5	1.090-5
4	122	2.841-5	2.820-5	2.805-5	2.804-5	2.805-5	2.818-5	2.871-5	2.909-5	2.957-5	2.955-5
4	123	6.128-5	6.126-5	6.097-5	6.078-5	6.053-5	5.976-5	5.803-5	5.718-5	5.619-5	5.225-5
4	124	1.410-5	1.406-5	1.392-5	1.382-5	1.369-5	1.326-5	1.216-5	1.155-5	1.083-5	8.983-6
4	125	5.833-6	5.830-6	5.806-6	5.788-6	5.764-6	5.685-6	5.499-6	5.406-6	5.299-6	4.895-6
5	6	8.279-2	6.693-2	5.405-2	4.880-2	4.304-2	3.293-2	2.660-2	2.513-2	2.337-2	1.846-2
5	7	2.908-2	2.600-2	2.135-2	1.916-2	1.681-2	1.290-2	1.061-2	1.005-2	9.344-3	7.309-3
5	8	1.203-1	9.834-2	8.302-2	7.651-2	6.929-2	5.827-2	5.504-2	5.408-2	5.192-2	4.356-2
5	9	7.000-3	6.544-3	5.802-3	5.527-3	5.331-3	5.786-3	7.575-3	7.898-3	7.845-3	6.756-3
5	10	1.182-2	1.350-2	1.373-2	1.273-2	1.145-2	9.857-3	1.032-2	1.034-2	9.960-3	8.080-3
5	11	1.918-1	1.879-1	1.799-1	1.793-1	1.804-1	1.879-1	2.055-1	2.128-1	2.209-1	2.396-1
5	12	1.885-2	1.834-2	1.830-2	1.845-2	1.869-2	1.982-2	2.255-2	2.356-2	2.443-2	2.565-2
5	13	8.928-2	8.802-2	8.860-2	8.939-2	9.054-2	9.488-2	1.042-1	1.075-1	1.108-1	1.166-1
5	14	1.373-3	1.367-3	1.351-3	1.348-3	1.381-3	1.801-3	2.733-3	2.913-3	2.923-3	2.471-3
5	15	7.516-4	7.502-4	7.449-4	7.462-4	7.680-4	9.774-4	1.409-3	1.501-3	1.516-3	1.310-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
5	16	9.267-4	9.154-4	8.315-4	7.604-4	6.671-4	4.557-4	2.295-4	1.726-4	1.291-4	7.251-5
5	17	8.729-4	7.374-4	5.674-4	4.987-4	4.247-4	2.789-4	1.363-4	1.015-4	7.502-5	4.060-5
5	18	2.036-3	2.873-3	3.223-3	3.016-3	2.671-3	1.837-3	9.489-4	7.314-4	5.694-4	3.669-4
5	19	3.483-3	3.305-3	2.539-3	2.155-3	1.769-3	1.099-3	5.286-4	3.973-4	2.984-4	1.686-4
5	20	3.332-2	3.398-2	2.706-2	2.311-2	1.910-2	1.212-2	6.236-3	4.930-3	3.993-3	2.859-3
5	21	1.404-3	1.763-3	1.708-3	1.541-3	1.328-3	8.763-4	4.285-4	3.196-4	2.370-4	1.295-4
5	22	7.557-3	7.524-3	6.253-3	5.472-3	4.618-3	3.001-3	1.514-3	1.164-3	9.018-4	5.612-4
5	23	6.834-3	6.109-3	4.618-3	3.928-3	3.250-3	2.106-3	1.144-3	9.170-4	7.391-4	4.825-4
5	24	4.094-3	3.509-3	2.352-3	1.923-3	1.537-3	9.399-4	4.798-4	3.797-4	3.061-4	2.105-4
5	25	2.267-2	2.062-2	1.449-2	1.209-2	9.938-3	6.610-3	4.004-3	3.404-3	2.938-3	2.239-3
5	26	5.857-3	4.806-3	3.170-3	2.590-3	2.070-3	1.256-3	6.144-4	4.714-4	3.648-4	2.252-4
5	27	7.644-3	6.533-3	4.548-3	3.862-3	3.257-3	2.319-3	1.574-3	1.404-3	1.275-3	1.075-3
5	28	3.579-3	3.345-3	2.603-3	2.284-3	1.986-3	1.501-3	1.070-3	9.516-4	8.464-4	6.548-4
5	29	5.497-2	4.783-2	3.417-2	2.850-2	2.313-2	1.438-2	7.449-3	5.983-3	4.965-3	3.792-3
5	30	5.004-2	4.543-2	3.485-2	3.093-2	2.749-2	2.231-2	1.845-2	1.765-2	1.708-2	1.586-2
5	31	8.909-3	8.166-3	6.091-3	5.291-3	4.564-3	3.400-3	2.395-3	2.129-3	1.899-3	1.493-3
5	32	5.972-3	4.989-3	3.591-3	3.064-3	2.567-3	1.741-3	1.046-3	8.826-4	7.576-4	5.781-4
5	33	2.083-2	1.732-2	1.160-2	9.492-3	7.598-3	4.680-3	2.440-3	1.942-3	1.564-3	1.045-3
5	34	2.244-2	1.802-2	1.315-2	1.165-2	1.032-2	8.226-3	6.543-3	6.183-3	5.937-3	5.531-3
5	35	2.114-2	1.788-2	1.474-2	1.368-2	1.270-2	1.104-2	9.752-3	9.565-3	9.523-3	9.440-3
5	36	8.819-3	8.594-3	7.165-3	6.522-3	5.888-3	4.766-3	3.747-3	3.502-3	3.315-3	2.990-3
5	37	3.680-3	3.433-3	2.775-3	2.507-3	2.246-3	1.785-3	1.342-3	1.222-3	1.120-3	9.371-4
5	38	6.609-2	6.626-2	6.409-2	6.164-2	5.886-2	5.370-2	5.025-2	5.036-2	5.124-2	5.282-2
5	39	1.454-2	1.280-2	8.998-3	7.516-3	6.187-3	4.148-3	2.545-3	2.160-3	1.847-3	1.347-3
5	40	5.746-2	5.465-2	4.636-2	4.305-2	4.009-2	3.568-2	3.265-2	3.215-2	3.184-2	3.059-2
5	41	5.106-3	4.788-3	4.014-3	3.678-3	3.343-3	2.725-3	2.056-3	1.837-3	1.626-3	1.215-3
5	42	1.057-2	9.942-3	8.591-3	8.007-3	7.419-3	6.327-3	5.156-3	4.788-3	4.445-3	3.747-3
5	43	1.896-2	1.723-2	1.226-2	1.037-2	8.706-3	6.200-3	4.284-3	3.843-3	3.498-3	2.932-3
5	44	6.315-4	5.600-4	4.245-4	3.615-4	2.978-4	1.859-4	8.875-5	6.622-5	4.927-5	2.717-5
5	45	4.263-3	4.030-3	3.128-3	2.655-3	2.178-3	1.360-3	6.752-4	5.192-4	4.022-4	2.480-4
5	46	5.724-3	5.284-3	3.978-3	3.458-3	2.991-3	2.264-3	1.657-3	1.496-3	1.355-3	1.096-3
5	47	1.990-2	1.689-2	1.232-2	1.091-2	9.734-3	8.050-3	6.799-3	6.512-3	6.280-3	5.750-3
5	48	1.448-3	1.311-3	9.519-4	8.140-4	6.908-4	5.006-4	3.461-4	3.072-4	2.745-4	2.178-4
5	49	1.386-3	1.277-3	9.384-4	8.051-4	6.848-4	4.962-4	3.376-4	2.955-4	2.588-4	1.942-4
5	50	1.467-2	1.221-2	9.704-3	8.813-3	7.936-3	6.362-3	4.804-3	4.351-3	3.944-3	3.175-3
5	51	3.206-2	3.197-2	3.172-2	3.159-2	3.145-2	3.130-2	3.215-2	3.304-2	3.430-2	3.622-2
5	52	5.707-2	5.658-2	5.601-2	5.576-2	5.551-2	5.528-2	5.702-2	5.875-2	6.117-2	6.500-2
5	53	1.142-2	1.146-2	1.135-2	1.128-2	1.120-2	1.106-2	1.120-2	1.143-2	1.178-2	1.227-2
5	54	1.065-3	1.062-3	9.911-4	9.488-4	9.010-4	7.985-4	6.580-4	6.024-4	5.441-4	4.193-4
5	55	5.221-4	4.371-4	2.990-4	2.473-4	2.000-4	1.252-4	6.645-5	5.354-5	4.401-5	3.132-5
5	56	1.502-3	1.245-3	8.456-4	6.963-4	5.599-4	3.453-4	1.788-4	1.427-4	1.165-4	8.253-5
5	57	2.235-4	2.126-4	1.608-4	1.364-4	1.131-4	7.553-5	4.491-5	3.765-5	3.188-5	2.309-5
5	58	6.551-3	6.221-3	5.779-3	5.606-3	5.430-3	5.088-3	4.688-3	4.558-3	4.436-3	4.104-3
5	59	2.584-3	2.486-3	2.302-3	2.218-3	2.129-3	1.945-3	1.681-3	1.570-3	1.450-3	1.178-3
5	60	4.777-3	4.134-3	3.301-3	3.030-3	2.795-3	2.447-3	2.211-3	2.173-3	2.152-3	2.071-3
5	61	1.073-2	1.028-2	9.730-3	9.486-3	9.230-3	8.746-3	8.304-3	8.226-3	8.198-3	7.996-3
5	62	9.858-4	8.783-4	6.216-4	5.192-4	4.246-4	2.737-4	1.522-4	1.240-4	1.020-4	7.002-5
5	63	8.656-4	8.630-4	8.275-4	8.032-4	7.746-4	7.108-4	6.154-4	5.752-4	5.322-4	4.345-4
5	64	3.598-4	3.112-4	2.241-4	1.914-4	1.616-4	1.148-4	7.739-5	6.883-5	6.227-5	5.199-5
5	65	1.950-3	1.590-3	1.054-3	8.676-4	7.034-4	4.526-4	2.572-4	2.116-4	1.754-4	1.211-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
5	66	4.637-4	4.102-4	2.911-4	2.434-4	2.001-4	1.329-4	8.087-5	6.913-5	6.016-5	4.694-5
5	67	9.049-4	7.638-4	5.308-4	4.395-4	3.558-4	2.245-4	1.213-4	9.755-5	7.910-5	5.249-5
5	68	2.423-2	2.322-2	2.125-2	2.048-2	1.978-2	1.876-2	1.822-2	1.823-2	1.830-2	1.792-2
5	69	1.514-3	1.336-3	1.039-3	9.076-4	7.788-4	5.633-4	3.949-4	3.633-4	3.453-4	3.275-4
5	70	2.527-3	2.311-3	1.777-3	1.541-3	1.316-3	9.480-4	6.297-4	5.455-4	4.727-4	3.470-4
5	71	7.728-4	7.730-4	6.277-4	5.477-4	4.671-4	3.277-4	2.049-4	1.736-4	1.477-4	1.060-4
5	72	2.842-3	3.010-3	2.638-3	2.396-3	2.153-3	1.752-3	1.483-3	1.461-3	1.477-3	1.531-3
5	73	5.109-4	4.238-4	2.959-4	2.447-4	1.968-4	1.201-4	5.945-5	4.585-5	3.557-5	2.169-5
5	74	3.456-4	2.948-4	2.107-4	1.759-4	1.431-4	9.003-5	4.747-5	3.774-5	3.028-5	1.984-5
5	75	2.821-4	2.411-4	1.716-4	1.430-4	1.161-4	7.249-5	3.742-5	2.940-5	2.324-5	1.468-5
5	76	9.870-4	1.008-3	8.309-4	7.284-4	6.243-4	4.433-4	2.819-4	2.399-4	2.047-4	1.466-4
5	77	1.043-3	9.542-4	7.288-4	6.377-4	5.548-4	4.282-4	3.434-4	3.330-4	3.323-4	3.393-4
5	78	9.616-4	8.319-4	5.939-4	5.022-4	4.191-4	2.910-4	1.962-4	1.779-4	1.666-4	1.541-4
5	79	1.168-3	9.509-4	6.718-4	5.727-4	4.847-4	3.516-4	2.537-4	2.335-4	2.190-4	1.954-4
5	80	6.272-3	5.627-3	4.298-3	3.797-3	3.356-3	2.714-3	2.341-3	2.328-3	2.378-3	2.519-3
5	81	1.092-3	1.015-3	7.786-4	6.869-4	6.069-4	4.930-4	4.325-4	4.337-4	4.465-4	4.783-4
5	82	3.289-4	2.855-4	2.086-4	1.813-4	1.574-4	1.211-4	8.993-5	8.081-5	7.223-5	5.535-5
5	83	7.527-4	6.642-4	4.975-4	4.381-4	3.866-4	3.106-4	2.548-4	2.434-4	2.356-4	2.212-4
5	84	4.010-3	3.651-3	3.058-3	2.857-3	2.689-3	2.478-3	2.494-3	2.603-3	2.772-3	3.116-3
5	85	8.485-3	7.541-3	5.835-3	5.282-3	4.830-3	4.251-3	4.138-3	4.298-3	4.575-3	5.175-3
5	86	1.353-3	1.256-3	1.033-3	9.528-4	8.833-4	7.802-4	7.041-4	6.892-4	6.804-4	6.552-4
5	87	3.357-3	3.177-3	2.672-3	2.488-3	2.333-3	2.125-3	2.065-3	2.110-3	2.195-3	2.359-3
5	88	4.238-4	3.595-4	2.766-4	2.533-4	2.349-4	2.111-4	1.997-4	2.001-4	2.024-4	2.029-4
5	89	9.843-4	9.509-4	8.447-4	8.006-4	7.607-4	7.014-4	6.657-4	6.631-4	6.643-4	6.500-4
5	90	1.759-3	1.633-3	1.439-3	1.380-3	1.332-3	1.262-3	1.205-3	1.191-3	1.180-3	1.124-3
5	91	1.211-4	1.022-4	7.572-5	6.808-5	6.199-5	5.395-5	4.957-5	4.930-5	4.957-5	4.930-5
5	92	1.109-3	8.607-4	5.731-4	4.970-4	4.368-4	3.531-4	2.854-4	2.658-4	2.474-4	2.082-4
5	93	4.833-4	4.145-4	3.281-4	3.034-4	2.830-4	2.511-4	2.150-4	2.003-4	1.841-4	1.463-4
5	94	3.571-4	3.137-4	2.335-4	2.046-4	1.789-4	1.389-4	1.041-4	9.430-5	8.537-5	6.819-5
5	95	8.398-3	7.759-3	7.224-3	7.108-3	7.031-3	6.980-3	7.134-3	7.272-3	7.452-3	7.592-3
5	96	5.560-4	4.845-4	3.966-4	3.713-4	3.502-4	3.179-4	2.852-4	2.736-4	2.616-4	2.306-4
5	97	6.369-4	5.717-4	4.996-4	4.788-4	4.608-4	4.303-4	3.901-4	3.728-4	3.536-4	3.045-4
5	98	1.091-2	1.083-2	1.076-2	1.076-2	1.078-2	1.091-2	1.139-2	1.170-2	1.209-2	1.251-2
5	99	5.276-3	5.216-3	5.171-3	5.170-3	5.179-3	5.240-3	5.466-3	5.615-3	5.801-3	5.995-3
5	100	3.771-3	3.743-3	3.730-3	3.734-3	3.745-3	3.796-3	3.964-3	4.075-3	4.211-3	4.355-3
5	101	1.941-3	1.930-3	1.928-3	1.931-3	1.937-3	1.964-3	2.050-3	2.106-3	2.175-3	2.248-3
5	102	3.684-3	3.671-3	3.646-3	3.634-3	3.620-3	3.586-3	3.528-3	3.506-3	3.482-3	3.321-3
5	103	1.277-3	1.270-3	1.250-3	1.239-3	1.225-3	1.183-3	1.085-3	1.032-3	9.703-4	8.114-4
5	104	6.339-4	6.291-4	6.197-4	6.144-4	6.077-4	5.878-4	5.409-4	5.157-4	4.859-4	4.089-4
5	105	1.015-3	1.011-3	9.973-4	9.887-4	9.774-4	9.435-4	8.631-4	8.195-4	7.681-4	6.375-4
5	106	1.818-4	1.627-4	1.325-4	1.216-4	1.123-4	9.995-5	9.752-5	1.011-4	1.071-4	1.197-4
5	107	1.448-4	1.432-4	1.390-4	1.369-4	1.345-4	1.285-4	1.163-4	1.101-4	1.027-4	8.451-5
5	108	2.741-4	2.571-4	2.112-4	1.919-4	1.741-4	1.453-4	1.176-4	1.085-4	9.948-5	7.981-5
5	109	2.516-4	2.463-4	2.084-4	1.925-4	1.787-4	1.598-4	1.537-4	1.571-4	1.636-4	1.764-4
5	110	3.090-4	2.650-4	1.981-4	1.759-4	1.576-4	1.336-4	1.255-4	1.292-4	1.366-4	1.528-4
5	111	2.846-5	2.478-5	1.669-5	1.374-5	1.119-5	7.419-6	4.546-6	3.856-6	3.289-6	2.363-6
5	112	9.319-5	8.610-5	7.166-5	6.682-5	6.268-5	5.625-5	4.980-5	4.751-5	4.516-5	3.933-5
5	113	1.160-5	1.024-5	8.220-6	7.509-6	6.877-6	5.864-6	4.827-6	4.456-6	4.068-6	3.207-6
5	114	4.356-4	4.221-4	4.108-4	4.086-4	4.074-4	4.086-4	4.192-4	4.271-4	4.371-4	4.431-4
5	115	3.785-4	3.530-4	3.333-4	3.296-4	3.274-4	3.279-4	3.395-4	3.480-4	3.588-4	3.689-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
5	116	1.432-4	1.410-4	1.386-4	1.382-4	1.380-4	1.387-4	1.427-4	1.455-4	1.490-4	1.513-4
5	117	2.213-4	2.186-4	2.158-4	2.154-4	2.154-4	2.170-4	2.240-4	2.288-4	2.347-4	2.389-4
5	118	3.540-5	3.443-5	3.305-5	3.271-5	3.250-5	3.249-5	3.346-5	3.422-5	3.517-5	3.599-5
5	119	3.089-4	3.055-4	2.990-4	2.959-4	2.921-4	2.812-4	2.554-4	2.413-4	2.244-4	1.821-4
5	120	1.558-5	1.456-5	1.157-5	1.045-5	9.480-6	8.020-6	6.805-6	6.471-6	6.172-6	5.497-6
5	121	2.809-5	2.740-5	2.680-5	2.668-5	2.661-5	2.662-5	2.704-5	2.738-5	2.780-5	2.773-5
5	122	6.126-5	6.051-5	5.948-5	5.900-5	5.839-5	5.663-5	5.243-5	5.016-5	4.746-5	4.033-5
5	123	1.848-4	1.844-4	1.823-4	1.809-4	1.789-4	1.728-4	1.573-4	1.488-4	1.386-4	1.131-4
5	124	1.789-5	1.778-5	1.754-5	1.740-5	1.720-5	1.658-5	1.505-5	1.420-5	1.318-5	1.066-5
5	125	2.321-5	2.316-5	2.295-5	2.281-5	2.261-5	2.197-5	2.036-5	1.947-5	1.842-5	1.563-5
6	7	5.261-2	5.836-2	4.933-2	4.400-2	3.842-2	2.856-2	2.111-2	1.939-2	1.777-2	1.431-2
6	8	1.242-1	9.043-2	6.407-2	5.579-2	4.777-2	3.459-2	2.580-2	2.378-2	2.174-2	1.698-2
6	9	3.814-2	3.283-2	2.592-2	2.318-2	2.031-2	1.531-2	1.172-2	1.092-2	1.015-2	8.431-3
6	10	2.975-2	3.667-2	4.167-2	4.005-2	3.702-2	3.097-2	2.784-2	2.703-2	2.575-2	2.142-2
6	11	5.471-2	5.328-2	4.950-2	4.868-2	4.848-2	5.032-2	5.592-2	5.805-2	6.020-2	6.484-2
6	12	5.413-2	5.405-2	5.452-2	5.496-2	5.564-2	5.812-2	6.346-2	6.563-2	6.795-2	7.293-2
6	13	1.372-1	1.330-1	1.322-1	1.332-1	1.350-1	1.411-1	1.534-1	1.582-1	1.633-1	1.744-1
6	14	1.118-1	1.109-1	1.102-1	1.107-1	1.116-1	1.149-1	1.224-1	1.259-1	1.302-1	1.402-1
6	15	1.026-2	1.030-2	1.039-2	1.044-2	1.053-2	1.100-2	1.211-2	1.253-2	1.294-2	1.363-2
6	16	1.381-3	1.287-3	1.068-3	9.551-4	8.271-4	5.599-4	2.818-4	2.118-4	1.583-4	8.845-5
6	17	3.956-3	4.129-3	3.313-3	2.904-3	2.474-3	1.640-3	8.230-4	6.246-4	4.762-4	2.896-4
6	18	3.249-3	3.010-3	2.897-3	2.700-3	2.406-3	1.678-3	8.567-4	6.452-4	4.822-4	2.677-4
6	19	8.187-3	7.424-3	5.459-3	4.606-3	3.785-3	2.412-3	1.262-3	9.949-4	7.908-4	5.107-4
6	20	1.446-2	1.405-2	1.107-2	9.444-3	7.797-3	4.940-3	2.504-3	1.942-3	1.519-3	9.551-4
6	21	5.177-3	6.366-3	6.166-3	5.731-3	5.114-3	3.599-3	1.859-3	1.406-3	1.057-3	5.973-4
6	22	3.127-3	3.098-3	2.625-3	2.350-3	2.030-3	1.359-3	6.702-4	4.989-4	3.682-4	1.982-4
6	23	1.479-2	1.338-2	1.015-2	8.673-3	7.196-3	4.619-3	2.413-3	1.925-3	1.580-3	1.175-3
6	24	6.128-3	5.724-3	4.352-3	3.748-3	3.170-3	2.198-3	1.360-3	1.154-3	9.890-4	7.328-4
6	25	1.493-2	1.395-2	1.026-2	8.656-3	7.144-3	4.693-3	2.700-3	2.241-3	1.887-3	1.377-3
6	26	1.397-2	1.137-2	8.288-3	7.323-3	6.485-3	5.197-3	4.160-3	3.914-3	3.716-3	3.328-3
6	27	5.871-3	4.966-3	3.461-3	2.912-3	2.418-3	1.646-3	1.027-3	8.821-4	7.679-4	5.930-4
6	28	4.875-3	4.426-3	3.231-3	2.742-3	2.291-3	1.572-3	9.984-4	8.706-4	7.761-4	6.412-4
6	29	3.743-3	3.349-3	2.441-3	2.045-3	1.663-3	1.023-3	4.924-4	3.714-4	2.807-4	1.620-4
6	30	1.204-2	1.040-2	7.369-3	6.255-3	5.252-3	3.663-3	2.333-3	1.997-3	1.718-3	1.259-3
6	31	2.680-2	2.575-2	2.050-2	1.833-2	1.639-2	1.344-2	1.127-2	1.084-2	1.053-2	9.865-3
6	32	1.050-2	9.941-3	8.033-3	7.276-3	6.573-3	5.406-3	4.359-3	4.083-3	3.853-3	3.409-3
6	33	5.041-3	4.814-3	3.695-3	3.153-3	2.605-3	1.640-3	8.096-4	6.232-4	4.884-4	3.250-4
6	34	1.840-2	1.441-2	1.013-2	8.882-3	7.806-3	6.118-3	4.633-3	4.233-3	3.889-3	3.257-3
6	35	1.146-2	9.710-3	7.865-3	7.267-3	6.707-3	5.738-3	4.864-3	4.663-3	4.519-3	4.238-3
6	36	7.800-3	6.757-3	5.538-3	5.120-3	4.726-3	4.056-3	3.466-3	3.333-3	3.241-3	3.061-3
6	37	3.219-3	2.787-3	2.199-3	1.987-3	1.786-3	1.443-3	1.119-3	1.030-3	9.526-4	8.098-4
6	38	1.208-2	1.016-2	7.957-3	7.130-3	6.330-3	4.909-3	3.490-3	3.069-3	2.686-3	1.989-3
6	39	2.491-3	2.236-3	1.632-3	1.368-3	1.116-3	7.015-4	3.654-4	2.901-4	2.340-4	1.593-4
6	40	2.396-3	2.459-3	1.973-3	1.689-3	1.399-3	8.971-4	4.717-4	3.739-4	3.000-4	2.001-4
6	41	9.482-3	9.339-3	8.587-3	8.231-3	7.868-3	7.234-3	6.860-3	6.912-3	7.072-3	7.358-3
6	42	4.082-2	4.025-2	3.913-2	3.872-2	3.832-2	3.771-2	3.836-2	3.938-2	4.088-2	4.333-2
6	43	1.608-3	1.458-3	1.079-3	9.102-4	7.460-4	4.685-4	2.356-4	1.821-4	1.415-4	8.733-5
6	44	9.746-3	9.031-3	6.895-3	5.825-3	4.771-3	3.008-3	1.590-3	1.287-3	1.075-3	8.258-4
6	45	1.441-2	1.197-2	8.340-3	6.964-3	5.707-3	3.733-3	2.184-3	1.836-3	1.571-3	1.188-3
6	46	2.908-3	2.761-3	2.209-3	1.971-3	1.746-3	1.383-3	1.098-3	1.039-3	9.984-4	9.234-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
6	47	3.204-3	2.646-3	1.817-3	1.514-3	1.234-3	7.854-4	4.190-4	3.337-4	2.675-4	1.737-4
6	48	1.141-3	9.507-4	6.648-4	5.556-4	4.540-4	2.892-4	1.553-4	1.248-4	1.015-4	6.950-5
6	49	8.041-4	7.220-4	5.303-4	4.461-4	3.652-4	2.310-4	1.213-4	9.677-5	7.857-5	5.459-5
6	50	1.677-3	1.557-3	1.238-3	1.080-3	9.112-4	5.971-4	3.074-4	2.376-4	1.840-4	1.111-4
6	51	1.866-3	1.811-3	1.456-3	1.282-3	1.111-3	8.216-4	5.908-4	5.465-4	5.205-4	4.912-4
6	52	2.252-3	2.039-3	1.575-3	1.352-3	1.126-3	7.257-4	3.741-4	2.909-4	2.273-4	1.405-4
6	53	8.543-4	8.090-4	6.253-4	5.373-4	4.503-4	3.004-4	1.710-4	1.405-4	1.172-4	8.440-5
6	54	5.072-4	4.963-4	4.062-4	3.618-4	3.176-4	2.407-4	1.760-4	1.626-4	1.541-4	1.427-4
6	55	3.047-3	2.538-3	1.838-3	1.587-3	1.362-3	1.010-3	7.081-4	6.252-4	5.510-4	4.152-4
6	56	2.300-2	2.285-2	2.065-2	1.964-2	1.871-2	1.732-2	1.640-2	1.626-2	1.619-2	1.563-2
6	57	3.128-4	2.987-4	2.240-4	1.897-4	1.577-4	1.071-4	6.843-5	6.044-5	5.500-5	4.808-5
6	58	3.002-3	2.802-3	2.423-3	2.249-3	2.073-3	1.763-3	1.533-3	1.510-3	1.519-3	1.546-3
6	59	2.454-3	2.327-3	2.070-3	1.959-3	1.849-3	1.664-3	1.560-3	1.574-3	1.615-3	1.695-3
6	60	8.204-3	6.917-3	4.990-3	4.371-3	3.846-3	3.061-3	2.397-3	2.208-3	2.033-3	1.679-3
6	61	3.501-3	2.730-3	1.928-3	1.641-3	1.368-3	9.066-4	5.083-4	4.115-4	3.348-4	2.221-4
6	62	6.869-3	6.564-3	5.855-3	5.589-3	5.352-3	4.995-3	4.751-3	4.713-3	4.692-3	4.527-3
6	63	1.104-3	9.152-4	7.004-4	6.183-4	5.380-4	3.994-4	2.849-4	2.618-4	2.473-4	2.287-4
6	64	1.600-3	1.440-3	1.182-3	1.093-3	1.013-3	8.868-4	7.863-4	7.647-4	7.495-4	7.097-4
6	65	2.701-3	2.276-3	1.530-3	1.269-3	1.041-3	6.954-4	4.275-4	3.645-4	3.140-4	2.348-4
6	66	5.176-4	4.466-4	2.984-4	2.455-4	1.992-4	1.301-4	7.932-5	6.879-5	6.148-5	5.218-5
6	67	1.441-3	1.110-3	7.124-4	5.795-4	4.626-4	2.850-4	1.493-4	1.188-4	9.548-5	6.273-5
6	68	3.410-3	2.920-3	2.090-3	1.776-3	1.489-3	1.036-3	6.615-4	5.672-4	4.882-4	3.575-4
6	69	4.168-2	4.153-2	4.146-2	4.143-2	4.140-2	4.163-2	4.354-2	4.510-2	4.719-2	5.053-2
6	70	1.493-2	1.476-2	1.421-2	1.395-2	1.372-2	1.339-2	1.333-2	1.343-2	1.355-2	1.336-2
6	71	8.519-3	8.482-3	8.377-3	8.318-3	8.253-3	8.161-3	8.298-3	8.481-3	8.745-3	9.107-3
6	72	5.363-3	5.158-3	4.779-3	4.608-3	4.430-3	4.064-3	3.529-3	3.298-3	3.045-3	2.461-3
6	73	3.538-4	2.850-4	2.027-4	1.722-4	1.442-4	1.004-4	6.731-5	6.049-5	5.573-5	4.884-5
6	74	8.544-4	8.058-4	7.278-4	6.952-4	6.631-4	6.043-4	5.401-4	5.190-4	4.986-4	4.478-4
6	75	1.616-3	1.602-3	1.548-3	1.519-3	1.488-3	1.435-3	1.417-3	1.434-3	1.466-3	1.508-3
6	76	4.506-3	4.575-3	4.388-3	4.257-3	4.114-3	3.837-3	3.558-3	3.487-3	3.433-3	3.266-3
6	77	1.495-3	1.405-3	1.195-3	1.107-3	1.023-3	8.791-4	7.417-4	7.016-4	6.652-4	5.854-4
6	78	2.115-3	1.998-3	1.744-3	1.633-3	1.526-3	1.345-3	1.178-3	1.132-3	1.093-3	9.980-4
6	79	7.548-4	6.291-4	4.611-4	3.995-4	3.444-4	2.615-4	2.045-4	1.953-4	1.908-4	1.845-4
6	80	3.184-3	2.755-3	1.988-3	1.706-3	1.458-3	1.082-3	7.863-4	7.152-4	6.575-4	5.569-4
6	81	8.795-4	7.955-4	5.982-4	5.256-4	4.627-4	3.710-4	3.108-4	3.029-4	3.018-4	3.037-4
6	82	5.442-4	5.091-4	4.113-4	3.734-4	3.402-4	2.929-4	2.702-4	2.732-4	2.820-4	3.007-4
6	83	2.099-3	1.936-3	1.611-3	1.496-3	1.399-3	1.279-3	1.297-3	1.367-3	1.474-3	1.701-3
6	84	1.013-3	8.794-4	6.516-4	5.729-4	5.050-4	4.027-4	3.162-4	2.915-4	2.689-4	2.232-4
6	85	2.190-3	1.938-3	1.426-3	1.249-3	1.097-3	8.690-4	6.711-4	6.109-4	5.527-4	4.328-4
6	86	2.314-3	2.193-3	1.898-3	1.793-3	1.704-3	1.597-3	1.630-3	1.705-3	1.819-3	2.047-3
6	87	3.549-3	3.344-3	2.771-3	2.552-3	2.365-3	2.120-3	2.094-3	2.185-3	2.334-3	2.654-3
6	88	6.400-4	5.734-4	4.938-4	4.714-4	4.537-4	4.324-4	4.299-4	4.364-4	4.462-4	4.544-4
6	89	6.881-4	6.386-4	4.918-4	4.276-4	3.675-4	2.702-4	1.862-4	1.637-4	1.440-4	1.089-4
6	90	1.376-3	1.283-3	1.145-3	1.102-3	1.066-3	1.015-3	9.810-4	9.766-4	9.754-4	9.461-4
6	91	1.924-4	1.749-4	1.476-4	1.390-4	1.318-4	1.217-4	1.148-4	1.136-4	1.130-4	1.091-4
6	92	7.910-4	6.716-4	5.016-4	4.505-4	4.078-4	3.429-4	2.788-4	2.561-4	2.326-4	1.818-4
6	93	9.178-4	8.417-4	7.362-4	7.064-4	6.840-4	6.665-4	7.175-4	7.671-4	8.365-4	9.766-4
6	94	1.260-3	1.218-3	1.106-3	1.060-3	1.018-3	9.555-4	9.187-4	9.164-4	9.176-4	8.937-4
6	95	3.526-3	3.250-3	2.936-3	2.851-3	2.783-3	2.690-3	2.628-3	2.620-3	2.618-3	2.537-3
6	96	2.097-3	2.020-3	1.931-3	1.911-3	1.901-3	1.913-3	2.020-3	2.096-3	2.190-3	2.317-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
6	97	7.924-4	7.427-4	6.794-4	6.609-4	6.459-4	6.267-4	6.223-4	6.271-4	6.346-4	6.314-4
6	98	2.354-3	2.198-3	1.985-3	1.916-3	1.853-3	1.729-3	1.526-3	1.428-3	1.315-3	1.045-3
6	99	1.204-3	1.109-3	1.005-3	9.736-4	9.447-4	8.873-4	7.893-4	7.409-4	6.852-4	5.504-4
6	100	9.131-4	8.596-4	8.019-4	7.844-4	7.680-4	7.343-4	6.747-4	6.452-4	6.111-4	5.224-4
6	101	4.119-4	3.876-4	3.636-4	3.559-4	3.483-4	3.311-4	2.972-4	2.797-4	2.593-4	2.093-4
6	102	5.762-3	5.751-3	5.759-3	5.775-3	5.803-3	5.916-3	6.266-3	6.489-3	6.762-3	7.103-3
6	103	3.016-3	3.016-3	3.025-3	3.033-3	3.049-3	3.108-3	3.290-3	3.406-3	3.548-3	3.724-3
6	104	1.178-3	1.173-3	1.174-3	1.177-3	1.183-3	1.207-3	1.283-3	1.332-3	1.391-3	1.467-3
6	105	2.505-3	2.509-3	2.520-3	2.528-3	2.542-3	2.595-3	2.757-3	2.860-3	2.986-3	3.148-3
6	106	3.578-4	3.248-4	2.522-4	2.240-4	1.990-4	1.622-4	1.387-4	1.362-4	1.366-4	1.389-4
6	107	2.021-4	1.999-4	1.950-4	1.935-4	1.925-4	1.933-4	2.022-4	2.086-4	2.168-4	2.267-4
6	108	4.497-4	4.172-4	3.346-4	3.025-4	2.738-4	2.293-4	1.907-4	1.796-4	1.692-4	1.461-4
6	109	4.544-4	4.270-4	3.397-4	3.066-4	2.784-4	2.405-4	2.277-4	2.339-4	2.462-4	2.731-4
6	110	4.361-4	3.648-4	2.671-4	2.362-4	2.102-4	1.713-4	1.366-4	1.256-4	1.145-4	9.077-5
6	111	4.544-4	4.357-4	3.866-4	3.693-4	3.556-4	3.424-4	3.620-4	3.835-4	4.136-4	4.720-4
6	112	2.884-4	2.649-4	2.235-4	2.111-4	2.015-4	1.912-4	1.962-4	2.046-4	2.169-4	2.399-4
6	113	2.813-5	2.506-5	2.067-5	1.924-5	1.803-5	1.627-5	1.495-5	1.467-5	1.447-5	1.379-5
6	114	6.925-4	6.623-4	6.352-4	6.294-4	6.259-4	6.256-4	6.411-4	6.534-4	6.689-4	6.787-4
6	115	4.907-4	4.589-4	4.271-4	4.174-4	4.080-4	3.872-4	3.464-4	3.252-4	3.003-4	2.397-4
6	116	3.047-4	2.968-4	2.878-4	2.855-4	2.838-4	2.820-4	2.828-4	2.846-4	2.869-4	2.822-4
6	117	2.714-4	2.612-4	2.483-4	2.438-4	2.393-4	2.286-4	2.068-4	1.954-4	1.819-4	1.482-4
6	118	3.807-4	3.779-4	3.744-4	3.743-4	3.751-4	3.807-4	4.003-4	4.131-4	4.288-4	4.466-4
6	119	4.072-4	4.017-4	3.952-4	3.928-4	3.904-4	3.844-4	3.720-4	3.659-4	3.587-4	3.317-4
6	120	1.968-5	1.818-5	1.519-5	1.417-5	1.329-5	1.193-5	1.066-5	1.026-5	9.878-6	8.912-6
6	121	1.742-4	1.730-4	1.717-4	1.713-4	1.710-4	1.705-4	1.703-4	1.707-4	1.713-4	1.668-4
6	122	3.533-4	3.531-4	3.535-4	3.540-4	3.550-4	3.584-4	3.692-4	3.764-4	3.852-4	3.902-4
6	123	3.907-4	3.920-4	3.943-4	3.957-4	3.979-4	4.050-4	4.253-4	4.381-4	4.537-4	4.699-4
6	124	2.072-5	2.068-5	2.067-5	2.067-5	2.067-5	2.063-5	2.055-5	2.057-5	2.058-5	1.984-5
6	125	1.854-5	1.854-5	1.849-5	1.846-5	1.840-5	1.822-5	1.781-5	1.763-5	1.743-5	1.643-5
7	8	3.325-2	2.902-2	2.352-2	2.109-2	1.849-2	1.401-2	1.115-2	1.046-2	9.717-3	7.957-3
7	9	2.047-2	1.801-2	1.468-2	1.307-2	1.138-2	8.835-3	7.821-3	7.600-3	7.204-3	5.745-3
7	10	1.592-2	1.614-2	1.575-2	1.506-2	1.417-2	1.314-2	1.404-2	1.412-2	1.371-2	1.149-2
7	11	7.721-2	7.565-2	7.076-2	6.993-2	7.008-2	7.333-2	8.108-2	8.395-2	8.706-2	9.480-2
7	12	1.278-1	1.305-1	1.383-1	1.420-1	1.460-1	1.553-1	1.699-1	1.756-1	1.821-1	1.975-1
7	13	2.283-3	1.987-3	1.373-3	1.178-3	1.051-3	1.242-3	2.022-3	2.172-3	2.175-3	1.800-3
7	14	3.215-2	3.185-2	3.164-2	3.180-2	3.209-2	3.318-2	3.562-2	3.669-2	3.793-2	4.073-2
7	15	6.045-3	6.064-3	6.108-3	6.135-3	6.181-3	6.399-3	6.922-3	7.143-3	7.376-3	7.811-3
7	16	1.316-3	1.332-3	1.145-3	1.035-3	9.062-4	6.263-4	3.226-4	2.446-4	1.844-4	1.051-4
7	17	1.096-3	1.069-3	8.923-4	8.050-4	7.042-4	4.848-4	2.468-4	1.856-4	1.383-4	7.581-5
7	18	2.302-3	2.545-3	2.446-3	2.254-3	1.995-3	1.393-3	7.308-4	5.617-4	4.321-4	2.617-4
7	19	2.230-3	2.240-3	1.857-3	1.629-3	1.381-3	9.064-4	4.563-4	3.471-4	2.637-4	1.532-4
7	20	8.043-3	7.548-3	5.779-3	4.907-3	4.038-3	2.547-3	1.282-3	9.886-4	7.645-4	4.605-4
7	21	3.399-3	4.199-3	3.946-3	3.626-3	3.210-3	2.244-3	1.169-3	8.922-4	6.800-4	4.014-4
7	22	3.989-3	4.015-3	3.353-3	2.984-3	2.567-3	1.715-3	8.563-4	6.442-4	4.827-4	2.724-4
7	23	5.596-3	5.660-3	4.856-3	4.294-3	3.667-3	2.451-3	1.312-3	1.050-3	8.616-4	6.388-4
7	24	5.320-3	4.561-3	3.298-3	2.833-3	2.381-3	1.571-3	8.238-4	6.432-4	5.049-4	3.184-4
7	25	8.056-3	6.728-3	4.807-3	4.078-3	3.394-3	2.266-3	1.321-3	1.100-3	9.283-4	6.809-4
7	26	3.280-3	2.813-3	2.068-3	1.774-3	1.490-3	9.923-4	5.469-4	4.386-4	3.542-4	2.343-4
7	27	4.554-3	4.188-3	3.147-3	2.713-3	2.297-3	1.592-3	9.808-4	8.332-4	7.169-4	5.409-4
7	28	9.150-3	8.789-3	7.172-3	6.468-3	5.815-3	4.784-3	3.993-3	3.831-3	3.717-3	3.475-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
7	29	1.959-3	1.728-3	1.270-3	1.066-3	8.680-4	5.342-4	2.568-4	1.935-4	1.460-4	8.349-5
7	30	4.615-3	4.048-3	2.972-3	2.569-3	2.200-3	1.604-3	1.083-3	9.424-4	8.199-4	6.059-4
7	31	4.895-3	4.200-3	3.006-3	2.573-3	2.181-3	1.559-3	1.057-3	9.423-4	8.559-4	7.241-4
7	32	4.989-3	4.165-3	2.899-3	2.478-3	2.084-3	1.401-3	7.755-4	6.186-4	4.936-4	3.123-4
7	33	3.168-3	3.097-3	2.480-3	2.135-3	1.773-3	1.120-3	5.532-4	4.267-4	3.362-4	2.285-4
7	34	6.606-3	5.093-3	3.577-3	3.094-3	2.645-3	1.881-3	1.182-3	9.994-4	8.475-4	6.044-4
7	35	4.236-3	3.538-3	2.769-3	2.493-3	2.222-3	1.734-3	1.241-3	1.096-3	9.647-4	7.268-4
7	36	4.027-3	3.582-3	2.948-3	2.715-3	2.491-3	2.095-3	1.699-3	1.582-3	1.478-3	1.268-3
7	37	1.635-3	1.545-3	1.366-3	1.284-3	1.199-3	1.038-3	8.631-4	8.075-4	7.551-4	6.449-4
7	38	3.985-3	3.500-3	2.890-3	2.652-3	2.415-3	1.979-3	1.504-3	1.348-3	1.196-3	8.982-4
7	39	1.534-3	1.494-3	1.210-3	1.043-3	8.662-4	5.446-4	2.620-4	1.967-4	1.477-4	8.410-5
7	40	1.703-3	1.562-3	1.175-3	9.922-4	8.129-4	5.113-4	2.615-4	2.044-4	1.613-4	1.029-4
7	41	1.954-2	1.960-2	1.944-2	1.935-2	1.926-2	1.916-2	1.977-2	2.040-2	2.128-2	2.276-2
7	42	3.066-3	3.011-3	2.603-3	2.380-3	2.147-3	1.720-3	1.329-3	1.236-3	1.164-3	1.038-3
7	43	8.448-4	7.700-4	5.808-4	4.927-4	4.060-4	2.593-4	1.357-4	1.066-4	8.411-5	5.251-5
7	44	2.969-3	2.779-3	2.086-3	1.760-3	1.446-3	9.286-4	5.077-4	4.117-4	3.389-4	2.381-4
7	45	6.791-3	6.160-3	4.611-3	3.981-3	3.400-3	2.478-3	1.755-3	1.597-3	1.480-3	1.292-3
7	46	1.544-3	1.381-3	1.017-3	8.534-4	6.953-4	4.341-4	2.223-4	1.749-4	1.397-4	9.316-5
7	47	1.461-3	1.204-3	8.170-4	6.724-4	5.404-4	3.318-4	1.677-4	1.311-4	1.036-4	6.690-5
7	48	1.531-3	1.458-3	1.079-3	9.145-4	7.635-4	5.274-4	3.393-4	2.941-4	2.575-4	1.980-4
7	49	4.005-3	3.905-3	3.472-3	3.288-3	3.119-3	2.865-3	2.704-3	2.687-3	2.684-3	2.614-3
7	50	8.405-4	7.660-4	5.807-4	4.980-4	4.163-4	2.749-4	1.514-4	1.214-4	9.750-5	6.266-5
7	51	9.883-4	9.973-4	7.778-4	6.627-4	5.494-4	3.593-4	2.002-4	1.628-4	1.335-4	9.111-5
7	52	1.184-3	1.031-3	7.428-4	6.233-4	5.091-4	3.200-4	1.634-4	1.269-4	9.880-5	5.992-5
7	53	1.073-3	1.026-3	8.474-4	7.676-4	6.912-4	5.662-4	4.747-4	4.617-4	4.585-4	4.570-4
7	54	3.071-4	2.814-4	2.209-4	1.922-4	1.638-4	1.151-4	7.237-5	6.160-5	5.276-5	3.867-5
7	55	8.573-3	8.062-3	7.274-3	6.959-3	6.670-3	6.227-3	5.937-3	5.901-3	5.886-3	5.700-3
7	56	3.388-3	2.978-3	2.210-3	1.915-3	1.648-3	1.229-3	8.690-4	7.694-4	6.796-4	5.136-4
7	57	1.119-3	1.093-3	9.482-4	8.821-4	8.211-4	7.303-4	6.915-4	7.044-4	7.325-4	7.924-4
7	58	1.021-3	8.806-4	6.571-4	5.620-4	4.685-4	3.089-4	1.747-4	1.443-4	1.216-4	9.071-5
7	59	5.600-3	5.562-3	5.470-3	5.424-3	5.379-3	5.326-3	5.488-3	5.663-3	5.908-3	6.302-3
7	60	2.709-3	2.383-3	1.895-3	1.729-3	1.585-3	1.367-3	1.189-3	1.146-3	1.110-3	1.025-3
7	61	1.203-3	9.657-4	6.453-4	5.350-4	4.367-4	2.841-4	1.621-4	1.333-4	1.105-4	7.663-5
7	62	2.557-3	2.345-3	1.829-3	1.635-3	1.462-3	1.188-3	9.365-4	8.606-4	7.888-4	6.416-4
7	63	1.358-3	1.278-3	1.189-3	1.155-3	1.122-3	1.072-3	1.073-3	1.103-3	1.149-3	1.230-3
7	64	2.221-3	2.091-3	1.800-3	1.696-3	1.606-3	1.473-3	1.373-3	1.351-3	1.333-3	1.261-3
7	65	3.316-3	2.726-3	1.762-3	1.435-3	1.154-3	7.356-4	4.181-4	3.445-4	2.862-4	1.982-4
7	66	1.223-3	1.171-3	1.031-3	9.771-4	9.299-4	8.615-4	8.326-4	8.428-4	8.649-4	9.029-4
7	67	1.025-2	1.003-2	9.623-3	9.477-3	9.354-3	9.202-3	9.227-3	9.303-3	9.398-3	9.278-3
7	68	1.122-3	9.202-4	6.075-4	5.006-4	4.078-4	2.700-4	1.684-4	1.466-4	1.305-4	1.071-4
7	69	1.938-3	1.720-3	1.498-3	1.429-3	1.364-3	1.239-3	1.056-3	9.750-4	8.866-4	6.876-4
7	70	7.422-4	6.613-4	4.707-4	3.922-4	3.200-4	2.070-4	1.189-4	9.906-5	8.397-5	6.233-5
7	71	1.312-2	1.306-2	1.301-2	1.299-2	1.298-2	1.303-2	1.358-2	1.404-2	1.466-2	1.561-2
7	72	2.185-3	1.969-3	1.750-3	1.683-3	1.622-3	1.509-3	1.367-3	1.315-3	1.261-3	1.124-3
7	73	8.689-4	7.963-4	7.165-4	6.917-4	6.706-4	6.401-4	6.213-4	6.200-4	6.212-4	6.073-4
7	74	6.202-3	6.132-3	6.055-3	6.028-3	6.006-3	6.018-3	6.303-3	6.544-3	6.869-3	7.403-3
7	75	4.072-3	4.072-3	4.024-3	3.998-3	3.973-3	3.951-3	4.064-3	4.172-3	4.319-3	4.516-3
7	76	2.193-3	2.047-3	1.913-3	1.860-3	1.803-3	1.676-3	1.474-3	1.383-3	1.284-3	1.051-3
7	77	1.915-3	1.863-3	1.682-3	1.605-3	1.533-3	1.415-3	1.324-3	1.313-3	1.315-3	1.308-3
7	78	1.494-3	1.400-3	1.180-3	1.089-3	1.005-3	8.608-4	7.090-4	6.571-4	6.056-4	4.961-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
7	79	1.104-3	1.009-3	8.768-4	8.263-4	7.800-4	7.054-4	6.364-4	6.159-4	5.968-4	5.454-4
7	80	6.495-4	5.453-4	3.627-4	3.006-4	2.475-4	1.688-4	1.071-4	9.154-5	7.833-5	5.609-5
7	81	1.295-3	1.153-3	8.701-4	7.736-4	6.909-4	5.656-4	4.496-4	4.112-4	3.727-4	2.907-4
7	82	1.073-3	1.025-3	9.111-4	8.691-4	8.339-4	7.939-4	8.275-4	8.745-4	9.433-4	1.083-3
7	83	1.214-3	1.067-3	8.395-4	7.675-4	7.082-4	6.293-4	6.006-4	6.126-4	6.373-4	6.888-4
7	84	1.340-3	1.278-3	1.187-3	1.158-3	1.136-3	1.122-3	1.205-3	1.280-3	1.385-3	1.591-3
7	85	2.403-4	1.903-4	1.249-4	1.048-4	8.816-5	6.389-5	4.502-5	4.032-5	3.636-5	2.938-5
7	86	1.355-3	1.297-3	1.171-3	1.128-3	1.092-3	1.056-3	1.106-3	1.163-3	1.245-3	1.402-3
7	87	1.994-4	1.630-4	1.075-4	8.980-5	7.491-5	5.325-5	3.638-5	3.209-5	2.840-5	2.185-5
7	88	1.540-3	1.496-3	1.447-3	1.434-3	1.426-3	1.421-3	1.443-3	1.463-3	1.489-3	1.496-3
7	89	1.973-4	1.794-4	1.490-4	1.384-4	1.293-4	1.167-4	1.110-4	1.118-4	1.139-4	1.160-4
7	90	1.869-3	1.830-3	1.789-3	1.780-3	1.777-3	1.786-3	1.848-3	1.893-3	1.948-3	2.002-3
7	91	4.100-4	3.816-4	3.452-4	3.339-4	3.235-4	3.030-4	2.682-4	2.510-4	2.312-4	1.838-4
7	92	1.421-3	1.345-3	1.248-3	1.217-3	1.187-3	1.122-3	9.991-4	9.363-4	8.633-4	6.871-4
7	93	2.579-4	2.229-4	1.807-4	1.691-4	1.604-4	1.521-4	1.636-4	1.769-4	1.959-4	2.365-4
7	94	1.544-4	1.361-4	1.125-4	1.046-4	9.758-5	8.684-5	7.819-5	7.614-5	7.448-5	6.969-5
7	95	1.955-4	1.530-4	1.027-4	8.909-5	7.817-5	6.244-5	4.852-5	4.408-5	3.970-5	3.066-5
7	96	1.634-3	1.609-3	1.581-3	1.574-3	1.568-3	1.564-3	1.574-3	1.587-3	1.603-3	1.587-3
7	97	1.690-3	1.685-3	1.683-3	1.686-3	1.693-3	1.723-3	1.820-3	1.883-3	1.960-3	2.055-3
7	98	3.966-5	2.956-5	1.774-5	1.427-5	1.135-5	7.051-6	3.742-6	2.967-6	2.356-6	1.471-6
7	99	8.076-4	7.918-4	7.816-4	7.816-4	7.843-4	8.003-4	8.563-4	8.923-4	9.363-4	9.970-4
7	100	8.463-5	7.762-5	6.990-5	6.762-5	6.560-5	6.192-5	5.667-5	5.433-5	5.172-5	4.485-5
7	101	3.462-5	3.099-5	2.731-5	2.625-5	2.535-5	2.400-5	2.289-5	2.258-5	2.228-5	2.096-5
7	102	7.446-5	6.922-5	6.243-5	5.974-5	5.704-5	5.179-5	4.445-5	4.131-5	3.785-5	2.993-5
7	103	1.568-3	1.573-3	1.585-3	1.593-3	1.606-3	1.649-3	1.776-3	1.854-3	1.950-3	2.082-3
7	104	8.727-5	8.092-5	6.970-5	6.539-5	6.152-5	5.571-5	5.180-5	5.121-5	5.091-5	4.908-5
7	105	8.770-4	8.797-4	8.849-4	8.884-4	8.939-4	9.147-4	9.779-4	1.018-3	1.066-3	1.131-3
7	106	1.417-4	1.396-4	1.339-4	1.314-4	1.293-4	1.284-4	1.380-4	1.462-4	1.576-4	1.790-4
7	107	3.544-4	3.346-4	2.860-4	2.666-4	2.492-4	2.230-4	2.047-4	2.014-4	1.991-4	1.897-4
7	108	3.743-5	3.457-5	2.691-5	2.372-5	2.078-5	1.607-5	1.185-5	1.061-5	9.448-6	7.205-6
7	109	2.441-5	2.132-5	1.456-5	1.210-5	9.944-6	6.711-6	4.192-6	3.578-6	3.072-6	2.245-6
7	110	2.721-5	2.526-5	1.993-5	1.776-5	1.580-5	1.272-5	1.013-5	9.436-6	8.830-6	7.596-6
7	111	1.304-5	1.205-5	9.611-6	8.667-6	7.824-6	6.516-6	5.398-6	5.085-6	4.796-6	4.158-6
7	112	3.811-5	3.540-5	2.952-5	2.756-5	2.596-5	2.385-5	2.305-5	2.332-5	2.387-5	2.458-5
7	113	1.493-4	1.250-4	9.002-5	7.842-5	6.850-5	5.379-5	4.181-5	3.858-5	3.572-5	3.005-5
7	114	1.590-5	1.296-5	8.162-6	6.642-6	5.380-6	3.579-6	2.229-6	1.902-6	1.630-6	1.183-6
7	115	2.340-5	1.753-5	1.036-5	8.254-6	6.534-6	4.117-6	2.345-6	1.931-6	1.600-6	1.097-6
7	116	3.243-5	3.130-5	2.961-5	2.915-5	2.883-5	2.875-5	2.998-5	3.092-5	3.209-5	3.344-5
7	117	6.835-5	6.714-5	6.520-5	6.477-5	6.461-5	6.531-5	6.903-5	7.155-5	7.467-5	7.855-5
7	118	5.337-6	5.044-6	4.496-6	4.315-6	4.163-6	3.961-6	3.863-6	3.857-6	3.854-6	3.710-6
7	119	2.700-5	2.247-5	1.730-5	1.582-5	1.458-5	1.266-5	1.054-5	9.728-6	8.860-6	6.931-6
7	120	2.779-4	2.671-4	2.227-4	2.063-4	1.925-4	1.747-4	1.704-4	1.748-4	1.825-4	1.972-4
7	121	5.256-6	4.646-6	3.638-6	3.321-6	3.060-6	2.699-6	2.457-6	2.401-6	2.351-6	2.190-6
7	122	1.979-5	1.867-5	1.735-5	1.697-5	1.666-5	1.616-5	1.558-5	1.537-5	1.515-5	1.422-5
7	123	4.266-5	3.894-5	3.493-5	3.388-5	3.308-5	3.205-5	3.159-5	3.167-5	3.186-5	3.126-5
7	124	2.538-4	2.477-4	2.436-4	2.425-4	2.415-4	2.392-4	2.352-4	2.335-4	2.316-4	2.197-4
7	125	4.454-4	4.462-4	4.472-4	4.478-4	4.485-4	4.510-4	4.588-4	4.644-4	4.714-4	4.691-4
8	9	1.205-2	1.403-2	1.636-2	1.641-2	1.611-2	1.603-2	1.765-2	1.789-2	1.767-2	1.602-2
8	10	2.703-2	3.939-2	4.915-2	4.832-2	4.539-2	3.816-2	3.289-2	3.109-2	2.872-2	2.214-2
8	11	1.857-2	1.792-2	1.370-2	1.196-2	1.046-2	8.819-3	8.833-3	8.933-3	8.966-3	8.884-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
8	12	9.267-2	9.321-2	9.722-2	9.936-2	1.018-1	1.082-1	1.196-1	1.239-1	1.286-1	1.392-1
8	13	2.054-1	2.008-1	2.026-1	2.051-1	2.086-1	2.190-1	2.392-1	2.470-1	2.556-1	2.754-1
8	14	1.233-3	1.164-3	8.963-4	7.728-4	6.759-4	7.241-4	1.135-3	1.221-3	1.223-3	1.008-3
8	15	7.271-2	7.297-2	7.363-2	7.400-2	7.458-2	7.757-2	8.477-2	8.733-2	8.975-2	9.402-2
8	16	1.097-3	1.219-3	1.064-3	9.557-4	8.314-4	5.684-4	2.900-4	2.194-4	1.652-4	9.445-5
8	17	5.061-4	5.575-4	5.174-4	4.692-4	4.084-4	2.756-4	1.369-4	1.021-4	7.559-5	4.095-5
8	18	2.719-3	3.025-3	3.434-3	3.342-3	3.077-3	2.235-3	1.172-3	8.914-4	6.765-4	3.994-4
8	19	4.934-4	5.063-4	4.504-4	4.007-4	3.416-4	2.223-4	1.073-4	7.952-5	5.851-5	3.126-5
8	20	3.971-3	4.170-3	3.604-3	3.165-3	2.673-3	1.727-3	8.435-4	6.325-4	4.728-4	2.644-4
8	21	1.470-3	1.748-3	1.659-3	1.521-3	1.337-3	9.149-4	4.580-4	3.420-4	2.529-4	1.362-4
8	22	1.237-2	1.215-2	1.017-2	9.137-3	7.936-3	5.384-3	2.727-3	2.063-3	1.556-3	8.933-4
8	23	1.596-3	1.561-3	1.261-3	1.088-3	9.059-4	5.731-4	2.766-4	2.070-4	1.545-4	8.580-5
8	24	1.227-3	1.076-3	7.888-4	6.705-4	5.538-4	3.484-4	1.675-4	1.255-4	9.416-5	5.406-5
8	25	4.178-3	3.765-3	2.686-3	2.243-3	1.825-3	1.140-3	5.754-4	4.470-4	3.507-4	2.229-4
8	26	2.878-3	2.489-3	1.819-3	1.530-3	1.247-3	7.696-4	3.739-4	2.853-4	2.200-4	1.368-4
8	27	1.197-3	1.078-3	7.770-4	6.489-4	5.280-4	3.303-4	1.680-4	1.305-4	1.019-4	6.280-5
8	28	1.690-3	1.547-3	1.148-3	9.631-4	7.844-4	4.890-4	2.492-4	1.954-4	1.554-4	1.027-4
8	29	4.230-2	4.103-2	3.246-2	2.794-2	2.332-2	1.511-2	7.860-3	6.165-3	4.892-3	3.220-3
8	30	8.231-3	7.449-3	5.396-3	4.542-3	3.742-3	2.446-3	1.397-3	1.159-3	9.780-4	7.216-4
8	31	3.202-3	3.008-3	2.239-3	1.880-3	1.534-3	9.615-4	4.903-4	3.817-4	2.989-4	1.854-4
8	32	1.934-3	1.783-3	1.381-3	1.175-3	9.674-4	6.087-4	3.084-4	2.416-4	1.931-4	1.329-4
8	33	3.451-2	3.381-2	2.585-2	2.182-2	1.786-2	1.124-2	5.916-3	4.780-3	3.989-3	3.069-3
8	34	6.429-3	5.379-3	3.915-3	3.313-3	2.734-3	1.768-3	9.702-4	7.895-4	6.545-4	4.726-4
8	35	6.906-3	6.588-3	5.240-3	4.565-3	3.904-3	2.806-3	1.949-3	1.786-3	1.691-3	1.593-3
8	36	3.229-3	2.967-3	2.218-3	1.877-3	1.550-3	1.004-3	5.516-4	4.484-4	3.709-4	2.662-4
8	37	9.731-4	8.705-4	6.551-4	5.591-4	4.653-4	3.057-4	1.678-4	1.345-4	1.083-4	7.042-5
8	38	1.087-2	1.083-2	8.573-3	7.312-3	6.066-3	3.974-3	2.250-3	1.860-3	1.567-3	1.168-3
8	39	1.413-2	1.320-2	9.870-3	8.487-3	7.218-3	5.202-3	3.548-3	3.149-3	2.828-3	2.303-3
8	40	3.175-2	2.793-2	2.024-2	1.716-2	1.435-2	9.918-3	6.374-3	5.547-3	4.899-3	3.890-3
8	41	5.295-3	5.095-3	3.739-3	3.132-3	2.552-3	1.592-3	7.958-4	6.133-4	4.753-4	2.909-4
8	42	7.935-3	7.349-3	5.195-3	4.288-3	3.449-3	2.116-3	1.057-3	8.158-4	6.321-4	3.819-4
8	43	2.527-2	2.337-2	1.733-2	1.485-2	1.258-2	8.994-3	5.994-3	5.231-3	4.590-3	3.507-3
8	44	3.396-3	2.931-3	2.123-3	1.787-3	1.466-3	9.376-4	4.997-4	3.972-4	3.177-4	2.047-4
8	45	1.587-2	1.406-2	1.099-2	9.497-3	7.948-3	5.150-3	2.694-3	2.140-3	1.740-3	1.252-3
8	46	1.400-2	1.356-2	9.874-3	8.325-3	6.939-3	4.819-3	3.152-3	2.753-3	2.429-3	1.902-3
8	47	8.475-2	7.390-2	5.596-2	5.029-2	4.559-2	3.893-2	3.441-2	3.357-2	3.300-2	3.133-2
8	48	2.894-3	2.408-3	1.663-3	1.423-3	1.219-3	9.205-4	7.009-4	6.548-4	6.219-4	5.667-4
8	49	2.296-3	1.915-3	1.359-3	1.179-3	1.026-3	7.973-4	6.243-4	5.865-4	5.589-4	5.095-4
8	50	1.983-2	1.933-2	1.654-2	1.520-2	1.382-2	1.120-2	8.378-3	7.486-3	6.649-3	5.054-3
8	51	1.268-2	1.199-2	1.005-2	9.319-3	8.643-3	7.463-3	6.235-3	5.853-3	5.496-3	4.741-3
8	52	2.476-2	2.321-2	1.952-2	1.813-2	1.685-2	1.470-2	1.277-2	1.229-2	1.193-2	1.112-2
8	53	8.544-3	8.201-3	7.283-3	6.942-3	6.619-3	6.038-3	5.469-3	5.326-3	5.218-3	4.938-3
8	54	2.741-3	2.453-3	1.988-3	1.833-3	1.690-3	1.433-3	1.133-3	1.026-3	9.186-4	6.986-4
8	55	3.395-3	2.596-3	1.801-3	1.556-3	1.332-3	9.633-4	6.521-4	5.804-4	5.267-4	4.454-4
8	56	7.557-3	5.970-3	4.147-3	3.554-3	3.016-3	2.137-3	1.393-3	1.215-3	1.075-3	8.586-4
8	57	1.572-4	1.263-4	8.104-5	6.564-5	5.215-5	3.171-5	1.613-5	1.271-5	1.016-5	6.759-6
8	58	4.129-2	3.876-2	3.636-2	3.567-2	3.506-2	3.416-2	3.435-2	3.506-2	3.615-2	3.775-2
8	59	9.979-3	8.667-3	7.488-3	7.157-3	6.861-3	6.372-3	6.005-3	5.970-3	5.990-3	5.943-3
8	60	2.646-2	2.488-2	2.233-2	2.137-2	2.048-2	1.908-2	1.812-2	1.799-2	1.794-2	1.737-2
8	61	8.230-2	8.161-2	8.101-2	8.077-2	8.051-2	8.039-2	8.319-2	8.580-2	8.941-2	9.506-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
8	62	2.014-3	2.006-3	1.727-3	1.562-3	1.385-3	1.050-3	7.254-4	6.374-4	5.622-4	4.329-4
8	63	2.241-3	1.926-3	1.588-3	1.491-3	1.403-3	1.255-3	1.113-3	1.075-3	1.045-3	9.709-4
8	64	1.139-3	1.090-3	9.151-4	8.346-4	7.532-4	6.065-4	4.703-4	4.360-4	4.085-4	3.587-4
8	65	1.542-3	1.370-3	1.012-3	8.536-4	7.004-4	4.462-4	2.373-4	1.891-4	1.522-4	1.006-4
8	66	1.630-4	1.420-4	1.014-4	8.529-5	7.032-5	4.607-5	2.646-5	2.205-5	1.877-5	1.423-5
8	67	5.676-4	5.218-4	4.092-4	3.546-4	3.002-4	2.076-4	1.292-4	1.107-4	9.630-5	7.452-5
8	68	4.746-3	4.192-3	3.237-3	2.784-3	2.341-3	1.612-3	1.035-3	9.107-4	8.204-4	6.897-4
8	69	8.932-3	7.820-3	6.890-3	6.545-3	6.180-3	5.481-3	4.867-3	4.761-3	4.720-3	4.622-3
8	70	1.448-3	1.314-3	1.008-3	8.669-4	7.299-4	5.015-4	3.070-4	2.583-4	2.182-4	1.541-4
8	71	1.856-3	2.295-3	2.480-3	2.381-3	2.210-3	1.784-3	1.276-3	1.123-3	9.857-4	7.415-4
8	72	3.094-2	3.266-2	3.311-2	3.273-2	3.218-2	3.111-2	3.116-2	3.191-2	3.309-2	3.500-2
8	73	9.083-5	7.882-5	5.759-5	4.830-5	3.935-5	2.453-5	1.238-5	9.592-6	7.468-6	4.574-6
8	74	6.430-4	6.154-4	5.441-4	5.007-4	4.507-4	3.492-4	2.446-4	2.156-4	1.910-4	1.486-4
8	75	9.024-4	8.197-4	6.982-4	6.350-4	5.646-4	4.266-4	2.916-4	2.569-4	2.287-4	1.831-4
8	76	4.120-3	4.259-3	3.906-3	3.637-3	3.321-3	2.675-3	2.007-3	1.823-3	1.668-3	1.391-3
8	77	1.898-3	1.771-3	1.541-3	1.428-3	1.306-3	1.074-3	8.562-4	8.055-4	7.687-4	7.047-4
8	78	1.726-3	1.619-3	1.413-3	1.294-3	1.161-3	9.005-4	6.425-4	5.743-4	5.179-4	4.220-4
8	79	2.433-4	2.030-4	1.419-4	1.179-4	9.571-5	6.017-5	3.167-5	2.510-5	2.002-5	1.284-5
8	80	1.172-3	1.016-3	7.405-4	6.305-4	5.283-4	3.647-4	2.348-4	2.062-4	1.854-4	1.566-4
8	81	5.124-4	4.867-4	3.507-4	2.914-4	2.367-4	1.511-4	8.607-5	7.254-5	6.320-5	5.193-5
8	82	1.535-4	1.318-4	8.825-5	7.199-5	5.753-5	3.557-5	1.891-5	1.521-5	1.242-5	8.551-6
8	83	5.184-4	4.514-4	3.241-4	2.750-4	2.303-4	1.598-4	1.023-4	8.808-5	7.636-5	5.721-5
8	84	6.352-4	5.043-4	3.405-4	2.853-4	2.375-4	1.670-4	1.195-4	1.121-4	1.091-4	1.082-4
8	85	1.072-3	9.244-4	6.576-4	5.541-4	4.591-4	3.099-4	1.960-4	1.726-4	1.569-4	1.381-4
8	86	6.531-4	5.865-4	4.569-4	4.068-4	3.615-4	2.927-4	2.476-4	2.425-4	2.428-4	2.454-4
8	87	1.050-3	9.058-4	6.581-4	5.645-4	4.799-4	3.483-4	2.420-4	2.158-4	1.941-4	1.566-4
8	88	3.512-4	2.729-4	1.835-4	1.525-4	1.245-4	8.056-5	4.601-5	3.824-5	3.234-5	2.392-5
8	89	2.420-2	2.415-2	2.283-2	2.215-2	2.151-2	2.053-2	2.003-2	2.006-2	2.015-2	1.971-2
8	90	4.293-4	4.089-4	3.208-4	2.795-4	2.393-4	1.723-4	1.176-4	1.052-4	9.585-5	8.120-5
8	91	5.377-5	5.336-5	4.277-5	3.650-5	3.006-5	1.889-5	9.563-6	7.458-6	5.887-6	3.816-6
8	92	5.411-4	4.859-4	3.571-4	2.997-4	2.449-4	1.558-4	8.553-5	7.024-5	5.908-5	4.426-5
8	93	1.035-4	9.451-5	6.753-5	5.622-5	4.581-5	2.948-5	1.683-5	1.402-5	1.190-5	8.903-6
8	94	3.236-3	3.060-3	2.358-3	2.038-3	1.734-3	1.240-3	8.179-4	7.071-4	6.117-4	4.476-4
8	95	1.124-3	1.014-3	8.479-4	7.856-4	7.292-4	6.446-4	5.956-4	5.944-4	6.005-4	6.038-4
8	96	9.902-4	9.839-4	8.242-4	7.484-4	6.772-4	5.644-4	4.777-4	4.593-4	4.456-4	4.138-4
8	97	4.835-4	4.696-4	3.597-4	3.056-4	2.535-4	1.685-4	9.882-5	8.213-5	6.876-5	4.824-5
8	98	1.577-3	1.324-3	9.737-4	8.469-4	7.339-4	5.640-4	4.481-4	4.299-4	4.216-4	4.093-4
8	99	8.828-4	7.911-4	6.170-4	5.535-4	4.977-4	4.157-4	3.626-4	3.554-4	3.530-4	3.445-4
8	100	3.354-4	3.112-4	2.551-4	2.324-4	2.118-4	1.806-4	1.605-4	1.582-4	1.580-4	1.561-4
8	101	1.546-4	1.374-4	1.084-4	9.733-5	8.749-5	7.286-5	6.349-5	6.241-5	6.231-5	6.169-5
8	102	1.322-3	1.158-3	8.783-4	7.741-4	6.803-4	5.324-4	4.007-4	3.618-4	3.254-4	2.533-4
8	103	6.901-4	6.410-4	5.304-4	4.859-4	4.453-4	3.817-4	3.292-4	3.157-4	3.040-4	2.755-4
8	104	9.842-5	9.455-5	7.365-5	6.324-5	5.321-5	3.688-5	2.349-5	2.027-5	1.768-5	1.353-5
8	105	2.779-4	2.600-4	2.074-4	1.828-4	1.591-4	1.196-4	8.419-5	7.430-5	6.542-5	4.912-5
8	106	5.018-3	4.632-3	3.920-3	3.653-3	3.423-3	3.121-3	3.090-3	3.200-3	3.379-3	3.729-3
8	107	1.269-4	1.142-4	7.933-5	6.548-5	5.313-5	3.445-5	2.032-5	1.716-5	1.473-5	1.112-5
8	108	6.155-3	5.784-3	4.749-3	4.349-3	4.004-3	3.531-3	3.374-3	3.457-3	3.615-3	3.935-3
8	109	4.221-3	4.063-3	3.352-3	3.067-3	2.819-3	2.477-3	2.332-3	2.367-3	2.450-3	2.618-3
8	110	9.798-3	8.474-3	6.537-3	5.916-3	5.412-3	4.779-3	4.679-3	4.867-3	5.182-3	5.843-3
8	111	1.164-3	1.026-3	7.514-4	6.546-4	5.708-4	4.443-4	3.349-4	3.023-4	2.712-4	2.089-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
8	112	1.686-3	1.522-3	1.250-3	1.166-3	1.098-3	1.005-3	9.543-4	9.545-4	9.649-4	9.739-4
8	113	7.273-5	5.587-5	3.424-5	2.783-5	2.258-5	1.519-5	9.696-6	8.365-6	7.252-6	5.377-6
8	114	6.963-3	6.613-3	6.336-3	6.279-3	6.242-3	6.228-3	6.342-3	6.438-3	6.561-3	6.597-3
8	115	1.129-2	1.101-2	1.081-2	1.079-2	1.080-2	1.092-2	1.140-2	1.171-2	1.210-2	1.249-2
8	116	3.295-3	3.245-3	3.192-3	3.182-3	3.178-3	3.194-3	3.279-3	3.340-3	3.416-3	3.458-3
8	117	5.974-3	5.928-3	5.889-3	5.891-3	5.905-3	5.983-3	6.243-3	6.413-3	6.622-3	6.825-3
8	118	1.226-3	1.197-3	1.150-3	1.136-3	1.124-3	1.104-3	1.082-3	1.075-3	1.069-3	1.021-3
8	119	4.624-3	4.581-3	4.534-3	4.521-3	4.513-3	4.504-3	4.521-3	4.544-3	4.576-3	4.485-3
8	120	1.015-4	9.084-5	7.157-5	6.508-5	5.952-5	5.102-5	4.287-5	4.008-5	3.722-5	3.074-5
8	121	1.606-3	1.598-3	1.593-3	1.594-3	1.597-3	1.610-3	1.655-3	1.686-3	1.724-3	1.744-3
8	122	2.149-3	2.143-3	2.135-3	2.132-3	2.128-3	2.120-3	2.108-3	2.106-3	2.106-3	2.033-3
8	123	2.012-3	2.009-3	1.991-3	1.978-3	1.961-3	1.907-3	1.772-3	1.699-3	1.612-3	1.380-3
8	124	8.069-5	8.024-5	7.919-5	7.853-5	7.763-5	7.481-5	6.770-5	6.376-5	5.909-5	4.748-5
8	125	1.156-4	1.154-4	1.146-4	1.140-4	1.131-4	1.104-4	1.035-4	9.977-5	9.532-5	8.289-5
9	10	1.409-2	2.023-2	2.545-2	2.577-2	2.507-2	2.225-2	1.980-2	1.897-2	1.784-2	1.466-2
9	11	8.371-3	8.169-3	7.466-3	7.263-3	7.160-3	7.435-3	8.457-3	8.825-3	9.273-3	1.073-2
9	12	8.972-3	9.390-3	9.202-3	9.054-3	8.974-3	9.335-3	1.052-2	1.087-2	1.118-2	1.185-2
9	13	5.822-4	5.266-4	4.197-4	3.657-4	3.248-4	4.099-4	7.444-4	8.136-4	8.221-4	6.798-4
9	14	1.037-1	1.023-1	1.014-1	1.021-1	1.033-1	1.075-1	1.161-1	1.197-1	1.238-1	1.341-1
9	15	5.418-2	5.438-2	5.480-2	5.506-2	5.546-2	5.728-2	6.188-2	6.373-2	6.571-2	6.985-2
9	16	9.985-4	1.103-3	1.042-3	9.696-4	8.694-4	6.212-4	3.295-4	2.524-4	1.927-4	1.132-4
9	17	1.045-3	1.163-3	1.021-3	9.245-4	8.104-4	5.622-4	2.942-4	2.259-4	1.736-4	1.055-4
9	18	1.901-3	1.866-3	1.739-3	1.617-3	1.446-3	1.021-3	5.259-4	3.957-4	2.946-4	1.606-4
9	19	6.648-4	6.254-4	5.187-4	4.599-4	3.938-4	2.605-4	1.284-4	9.603-5	7.143-5	3.957-5
9	20	1.800-3	1.793-3	1.548-3	1.370-3	1.164-3	7.575-4	3.689-4	2.756-4	2.052-4	1.142-4
9	21	2.694-3	3.350-3	3.220-3	2.987-3	2.665-3	1.881-3	9.849-4	7.525-4	5.736-4	3.377-4
9	22	5.873-3	6.424-3	5.857-3	5.363-3	4.727-3	3.278-3	1.705-3	1.306-3	1.001-3	6.020-4
9	23	7.120-4	8.137-4	7.761-4	7.051-4	6.124-4	4.101-4	2.037-4	1.532-4	1.150-4	6.611-5
9	24	8.364-4	7.594-4	6.025-4	5.337-4	4.585-4	3.061-4	1.513-4	1.127-4	8.316-5	4.448-5
9	25	2.573-3	1.870-3	1.320-3	1.138-3	9.554-4	6.183-4	3.025-4	2.263-4	1.684-4	9.245-5
9	26	1.464-3	1.253-3	8.930-4	7.533-4	6.183-4	3.863-4	1.861-4	1.396-4	1.044-4	5.831-5
9	27	1.250-3	1.088-3	7.636-4	6.396-4	5.232-4	3.306-4	1.709-4	1.347-4	1.078-4	7.229-5
9	28	7.997-4	7.594-4	6.083-4	5.265-4	4.404-4	2.832-4	1.427-4	1.097-4	8.472-5	5.163-5
9	29	7.950-3	7.066-3	4.969-3	4.121-3	3.336-3	2.089-3	1.096-3	8.683-4	6.925-4	4.441-4
9	30	1.452-3	1.404-3	1.123-3	9.681-4	8.072-4	5.193-4	2.654-4	2.053-4	1.591-4	9.582-5
9	31	1.294-3	1.237-3	1.002-3	8.680-4	7.253-4	4.631-4	2.275-4	1.719-4	1.297-4	7.381-5
9	32	8.265-4	7.591-4	6.124-4	5.337-4	4.486-4	2.884-4	1.418-4	1.070-4	8.065-5	4.610-5
9	33	9.133-3	8.493-3	6.475-3	5.506-3	4.544-3	2.911-3	1.581-3	1.303-3	1.117-3	9.182-4
9	34	1.734-3	1.496-3	1.109-3	9.423-4	7.756-4	4.863-4	2.375-4	1.797-4	1.357-4	7.736-5
9	35	1.503-3	1.270-3	9.401-4	7.982-4	6.574-4	4.140-4	2.052-4	1.564-4	1.192-4	6.917-5
9	36	1.516-3	1.371-3	1.066-3	9.221-4	7.775-4	5.261-4	3.135-4	2.668-4	2.337-4	1.917-4
9	37	9.033-4	7.841-4	5.872-4	5.055-4	4.251-4	2.868-4	1.696-4	1.437-4	1.252-4	1.016-4
9	38	1.545-3	1.440-3	1.149-3	9.904-4	8.266-4	5.374-4	2.849-4	2.244-4	1.771-4	1.101-4
9	39	3.792-3	3.763-3	3.053-3	2.652-3	2.244-3	1.534-3	9.140-4	7.603-4	6.357-4	4.431-4
9	40	4.766-3	4.524-3	3.461-3	2.979-3	2.522-3	1.778-3	1.171-3	1.030-3	9.206-4	7.502-4
9	41	1.843-3	1.729-3	1.317-3	1.124-3	9.303-4	5.931-4	2.995-4	2.308-4	1.786-4	1.091-4
9	42	1.851-3	1.663-3	1.230-3	1.032-3	8.404-4	5.215-4	2.583-4	1.978-4	1.517-4	8.931-5
9	43	4.183-3	3.698-3	2.716-3	2.358-3	2.041-3	1.546-3	1.113-3	9.894-4	8.756-4	6.610-4
9	44	6.106-3	5.681-3	4.378-3	3.760-3	3.145-3	2.080-3	1.192-3	1.011-3	8.966-4	7.923-4
9	45	8.741-3	7.396-3	5.363-3	4.588-3	3.836-3	2.515-3	1.327-3	1.042-3	8.215-4	5.195-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
9	46	4.348-3	4.189-3	3.158-3	2.678-3	2.232-3	1.525-3	9.517-4	8.105-4	6.939-4	5.047-4
9	47	4.044-3	3.481-3	2.439-3	2.082-3	1.776-3	1.324-3	9.851-4	9.114-4	8.569-4	7.657-4
9	48	5.824-3	5.548-3	4.333-3	3.832-3	3.387-3	2.724-3	2.251-3	2.158-3	2.095-3	1.959-3
9	49	5.120-3	5.123-3	4.250-3	3.872-3	3.536-3	3.032-3	2.678-3	2.612-3	2.567-3	2.439-3
9	50	4.262-3	3.739-3	2.874-3	2.593-3	2.351-3	1.965-3	1.566-3	1.424-3	1.279-3	9.749-4
9	51	2.684-3	2.263-3	1.656-3	1.468-3	1.307-3	1.055-3	8.104-4	7.297-4	6.506-4	4.920-4
9	52	3.311-3	2.827-3	2.069-3	1.826-3	1.618-3	1.294-3	9.854-4	8.856-4	7.885-4	5.960-4
9	53	3.562-3	3.011-3	2.337-3	2.139-3	1.971-3	1.711-3	1.466-3	1.390-3	1.320-3	1.163-3
9	54	1.768-3	1.498-3	1.199-3	1.109-3	1.030-3	9.001-4	7.547-4	7.002-4	6.433-4	5.174-4
9	55	4.378-3	3.849-3	2.847-3	2.449-3	2.076-3	1.460-3	9.403-4	8.156-4	7.170-4	5.627-4
9	56	7.955-3	6.183-3	3.990-3	3.345-3	2.793-3	1.941-3	1.252-3	1.093-3	9.719-4	7.903-4
9	57	2.959-4	2.623-4	1.819-4	1.488-4	1.186-4	7.174-5	3.602-5	2.832-5	2.272-5	1.559-5
9	58	4.658-3	3.460-3	2.380-3	2.102-3	1.875-3	1.527-3	1.191-3	1.080-3	9.707-4	7.487-4
9	59	9.891-3	9.740-3	9.546-3	9.473-3	9.401-3	9.312-3	9.533-3	9.790-3	1.015-2	1.071-2
9	60	4.260-3	3.597-3	2.676-3	2.361-3	2.067-3	1.557-3	1.073-3	9.405-4	8.263-4	6.291-4
9	61	1.693-3	1.641-3	1.505-3	1.444-3	1.384-3	1.277-3	1.181-3	1.161-3	1.150-3	1.106-3
9	62	4.005-3	3.314-3	2.467-3	2.177-3	1.905-3	1.435-3	1.016-3	9.163-4	8.408-4	7.226-4
9	63	1.529-2	1.524-2	1.522-2	1.521-2	1.521-2	1.529-2	1.597-2	1.652-2	1.727-2	1.843-2
9	64	9.434-3	9.302-3	8.898-3	8.737-3	8.590-3	8.368-3	8.263-3	8.281-3	8.314-3	8.119-3
9	65	1.372-3	1.168-3	7.831-4	6.423-4	5.164-4	3.214-4	1.693-4	1.354-4	1.100-4	7.553-5
9	66	2.830-4	2.765-4	2.315-4	2.115-4	1.931-4	1.643-4	1.446-4	1.421-4	1.418-4	1.405-4
9	67	4.228-3	4.043-3	3.739-3	3.640-3	3.556-3	3.441-3	3.398-3	3.412-3	3.433-3	3.370-3
9	68	8.059-4	7.190-4	5.201-4	4.409-4	3.655-4	2.393-4	1.320-4	1.063-4	8.604-5	5.661-5
9	69	3.483-3	2.904-3	2.286-3	2.096-3	1.908-3	1.546-3	1.162-3	1.054-3	9.610-4	7.945-4
9	70	8.440-4	7.329-4	5.584-4	4.834-4	4.076-4	2.733-4	1.569-4	1.303-4	1.106-4	8.402-5
9	71	1.395-2	1.365-2	1.334-2	1.323-2	1.314-2	1.302-2	1.340-2	1.380-2	1.436-2	1.523-2
9	72	7.629-3	5.840-3	4.110-3	3.629-3	3.191-3	2.420-3	1.644-3	1.420-3	1.222-3	8.779-4
9	73	1.549-4	1.233-4	9.302-5	8.400-5	7.622-5	6.451-5	5.605-5	5.454-5	5.369-5	5.154-5
9	74	1.427-3	1.055-3	7.907-4	7.206-4	6.559-4	5.387-4	4.095-4	3.670-4	3.261-4	2.460-4
9	75	1.370-3	1.056-3	8.543-4	7.971-4	7.414-4	6.366-4	5.271-4	4.963-4	4.703-4	4.188-4
9	76	7.563-3	5.057-3	3.614-3	3.246-3	2.896-3	2.243-3	1.580-3	1.401-3	1.252-3	1.002-3
9	77	8.041-3	8.130-3	8.180-3	8.152-3	8.103-3	8.020-3	8.198-3	8.418-3	8.729-3	9.188-3
9	78	8.279-3	8.422-3	8.524-3	8.504-3	8.460-3	8.385-3	8.627-3	8.901-3	9.288-3	9.915-3
9	79	1.833-4	1.696-4	1.405-4	1.265-4	1.124-4	8.833-5	6.728-5	6.204-5	5.779-5	5.002-5
9	80	2.758-4	3.025-4	2.630-4	2.354-4	2.054-4	1.494-4	9.761-5	8.493-5	7.500-5	5.976-5
9	81	1.752-4	1.589-4	1.201-4	1.056-4	9.248-5	7.171-5	5.312-5	4.770-5	4.265-5	3.288-5
9	82	4.566-4	4.253-4	3.668-4	3.422-4	3.194-4	2.854-4	2.718-4	2.768-4	2.872-4	3.072-4
9	83	2.308-4	2.047-4	1.608-4	1.443-4	1.293-4	1.061-4	9.009-5	8.806-5	8.794-5	8.872-5
9	84	2.757-4	2.536-4	2.031-4	1.818-4	1.620-4	1.317-4	1.143-4	1.144-4	1.177-4	1.265-4
9	85	3.104-4	2.671-4	2.067-4	1.802-4	1.535-4	1.064-4	6.353-5	5.258-5	4.356-5	2.949-5
9	86	3.210-4	2.836-4	2.148-4	1.891-4	1.665-4	1.336-4	1.178-4	1.199-4	1.263-4	1.422-4
9	87	1.574-4	1.662-4	1.398-4	1.220-4	1.030-4	6.882-5	3.932-5	3.269-5	2.786-5	2.144-5
9	88	1.485-4	1.411-4	1.290-4	1.243-4	1.200-4	1.132-4	1.086-4	1.083-4	1.085-4	1.064-4
9	89	2.598-4	2.378-4	1.735-4	1.446-4	1.174-4	7.379-5	3.950-5	3.187-5	2.615-5	1.832-5
9	90	2.187-4	2.101-4	1.925-4	1.856-4	1.793-4	1.700-4	1.670-4	1.690-4	1.725-4	1.753-4
9	91	4.835-5	4.574-5	4.033-5	3.821-5	3.619-5	3.251-5	2.795-5	2.613-5	2.417-5	1.963-5
9	92	2.263-4	2.032-4	1.658-4	1.520-4	1.391-4	1.172-4	9.376-5	8.553-5	7.719-5	5.962-5
9	93	4.620-4	4.084-4	2.787-4	2.311-4	1.899-4	1.295-4	8.737-5	7.961-5	7.490-5	6.933-5
9	94	4.345-4	3.887-4	2.854-4	2.390-4	1.943-4	1.212-4	6.228-5	4.904-5	3.909-5	2.565-5
9	95	7.804-5	8.011-5	6.504-5	5.611-5	4.684-5	3.039-5	1.600-5	1.257-5	9.893-6	6.127-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
9	96	2.053-4	2.126-4	1.975-4	1.870-4	1.760-4	1.569-4	1.417-4	1.389-4	1.373-4	1.321-4
9	97	2.175-4	2.175-4	1.836-4	1.675-4	1.523-4	1.281-4	1.107-4	1.079-4	1.066-4	1.032-4
9	98	5.998-5	5.800-5	4.450-5	3.777-5	3.098-5	1.920-5	9.174-6	6.860-6	5.114-6	2.825-6
9	99	2.186-4	1.887-4	1.401-4	1.216-4	1.043-4	7.666-5	5.516-5	5.074-5	4.771-5	4.313-5
9	100	1.471-4	1.068-4	6.488-5	5.295-5	4.297-5	2.839-5	1.761-5	1.527-5	1.353-5	1.097-5
9	101	3.061-4	2.764-4	2.386-4	2.266-4	2.165-4	2.021-4	1.933-4	1.924-4	1.921-4	1.860-4
9	102	9.098-5	1.016-4	8.993-5	7.880-5	6.620-5	4.268-5	2.177-5	1.684-5	1.306-5	7.905-6
9	103	3.758-4	3.607-4	3.285-4	3.145-4	3.015-4	2.837-4	2.833-4	2.908-4	3.020-4	3.179-4
9	104	2.251-3	2.080-3	1.818-3	1.724-3	1.642-3	1.523-3	1.452-3	1.445-3	1.444-3	1.400-3
9	105	2.049-4	1.924-4	1.529-4	1.341-4	1.158-4	8.543-5	6.012-5	5.401-5	4.908-5	4.058-5
9	106	1.832-4	1.654-4	1.192-4	1.003-4	8.313-5	5.665-5	3.614-5	3.145-5	2.777-5	2.196-5
9	107	8.246-3	7.935-3	7.043-3	6.689-3	6.375-3	5.919-3	5.645-3	5.619-3	5.615-3	5.445-3
9	108	2.492-4	2.187-4	1.500-4	1.223-4	9.713-5	5.811-5	2.824-5	2.165-5	1.669-5	1.006-5
9	109	1.424-4	1.288-4	8.885-5	7.240-5	5.747-5	3.454-5	1.719-5	1.340-5	1.056-5	6.740-6
9	110	1.652-4	1.465-4	1.009-4	8.269-5	6.625-5	4.092-5	2.139-5	1.696-5	1.353-5	8.653-6
9	111	1.149-4	1.058-4	8.091-5	7.091-5	6.198-5	4.880-5	4.077-5	4.023-5	4.090-5	4.316-5
9	112	2.915-4	2.557-4	1.751-4	1.478-4	1.249-4	9.238-5	7.004-5	6.598-5	6.372-5	6.104-5
9	113	3.852-3	3.431-3	2.788-3	2.575-3	2.401-3	2.181-3	2.150-3	2.220-3	2.335-3	2.555-3
9	114	6.314-5	5.280-5	3.312-5	2.631-5	2.049-5	1.206-5	5.955-6	4.623-6	3.615-6	2.233-6
9	115	6.280-5	4.908-5	2.928-5	2.293-5	1.763-5	1.011-5	4.767-6	3.621-6	2.765-6	1.629-6
9	116	1.936-4	1.794-4	1.573-4	1.505-4	1.451-4	1.381-4	1.352-4	1.359-4	1.372-4	1.360-4
9	117	1.994-4	1.794-4	1.420-4	1.298-4	1.198-4	1.058-4	9.654-5	9.499-5	9.412-5	9.042-5
9	118	1.742-5	1.481-5	9.691-6	7.998-6	6.584-6	4.581-6	3.172-6	2.868-6	2.637-6	2.251-6
9	119	7.496-5	6.056-5	3.640-5	2.860-5	2.212-5	1.296-5	6.460-6	5.041-6	3.963-6	2.476-6
9	120	4.559-3	4.403-3	3.695-3	3.432-3	3.214-3	2.939-3	2.907-3	3.002-3	3.159-3	3.463-3
9	121	6.019-5	5.077-5	3.606-5	3.160-5	2.799-5	2.307-5	1.989-5	1.931-5	1.890-5	1.779-5
9	122	3.032-4	2.861-4	2.667-4	2.618-4	2.582-4	2.549-4	2.581-4	2.618-4	2.667-4	2.681-4
9	123	5.559-4	4.942-4	4.306-4	4.146-4	4.026-4	3.882-4	3.844-4	3.873-4	3.919-4	3.893-4
9	124	4.541-3	4.458-3	4.417-3	4.415-3	4.420-3	4.450-3	4.561-3	4.638-3	4.732-3	4.760-3
9	125	6.725-3	6.739-3	6.761-3	6.773-3	6.791-3	6.847-3	7.015-3	7.128-3	7.267-3	7.296-3
10	11	2.502-2	2.287-2	1.956-2	1.865-2	1.812-2	1.867-2	2.134-2	2.221-2	2.326-2	2.688-2
10	12	1.874-2	1.843-2	1.753-2	1.717-2	1.693-2	1.770-2	2.062-2	2.144-2	2.200-2	2.260-2
10	13	2.126-1	2.060-1	2.076-1	2.107-1	2.150-1	2.278-1	2.501-1	2.582-1	2.674-1	2.921-1
10	14	9.348-3	9.256-3	8.648-3	8.407-3	8.251-3	8.495-3	9.642-3	1.001-2	1.031-2	1.076-2
10	15	3.305-1	3.319-1	3.355-1	3.375-1	3.402-1	3.494-1	3.713-1	3.815-1	3.939-1	4.244-1
10	16	6.546-4	7.179-4	6.763-4	6.265-4	5.594-4	3.961-4	2.049-4	1.542-4	1.148-4	6.236-5
10	17	1.146-3	1.309-3	1.143-3	1.029-3	8.966-4	6.124-4	3.097-4	2.325-4	1.731-4	9.491-5
10	18	3.407-3	3.840-3	3.898-3	3.666-3	3.294-3	2.331-3	1.208-3	9.159-4	6.906-4	3.945-4
10	19	3.133-4	3.071-4	2.752-4	2.507-4	2.196-4	1.499-4	7.461-5	5.548-5	4.079-5	2.159-5
10	20	1.451-3	1.642-3	1.553-3	1.409-3	1.225-3	8.237-4	4.082-4	3.047-4	2.257-4	1.227-4
10	21	2.450-3	3.173-3	3.182-3	2.973-3	2.663-3	1.878-3	9.653-4	7.268-4	5.424-4	2.995-4
10	22	5.617-3	6.093-3	5.448-3	4.968-3	4.367-3	3.004-3	1.513-3	1.132-3	8.387-4	4.542-4
10	23	7.343-4	7.026-4	5.896-4	5.268-4	4.547-4	3.042-4	1.498-4	1.112-4	8.173-5	4.329-5
10	24	2.492-4	2.239-4	1.847-4	1.660-4	1.442-4	9.749-5	4.821-5	3.579-5	2.627-5	1.386-5
10	25	3.598-3	2.782-3	2.037-3	1.769-3	1.496-3	9.788-4	4.817-4	3.608-4	2.691-4	1.500-4
10	26	2.095-3	1.785-3	1.362-3	1.183-3	9.961-4	6.445-4	3.139-4	2.345-4	1.745-4	9.663-5
10	27	6.945-4	6.588-4	5.133-4	4.422-4	3.689-4	2.351-4	1.137-4	8.488-5	6.306-5	3.458-5
10	28	8.566-4	8.527-4	6.973-4	6.055-4	5.072-4	3.244-4	1.575-4	1.180-4	8.802-5	4.893-5
10	29	1.256-2	1.138-2	8.473-3	7.156-3	5.868-3	3.677-3	1.817-3	1.385-3	1.059-3	6.256-4
10	30	2.996-3	2.692-3	2.042-3	1.751-3	1.456-3	9.229-4	4.455-4	3.329-4	2.478-4	1.366-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
10	31	2.253-3	2.059-3	1.623-3	1.411-3	1.186-3	7.635-4	3.698-4	2.759-4	2.050-4	1.134-4
10	32	1.575-3	1.461-3	1.151-3	1.003-3	8.475-4	5.516-4	2.736-4	2.072-4	1.572-4	9.252-5
10	33	1.126-2	1.084-2	8.657-3	7.575-3	6.430-3	4.248-3	2.176-3	1.678-3	1.304-3	8.223-4
10	34	2.388-3	2.049-3	1.604-3	1.399-3	1.179-3	7.619-4	3.681-4	2.733-4	2.014-4	1.079-4
10	35	3.655-3	2.949-3	2.190-3	1.880-3	1.569-3	1.012-3	5.202-4	4.069-4	3.231-4	2.160-4
10	36	1.572-3	1.590-3	1.318-3	1.143-3	9.572-4	6.183-4	3.193-4	2.506-4	1.996-4	1.336-4
10	37	5.427-4	5.460-4	4.592-4	4.024-4	3.400-4	2.215-4	1.119-4	8.567-5	6.569-5	3.917-5
10	38	2.357-3	2.339-3	1.990-3	1.747-3	1.474-3	9.527-4	4.685-4	3.527-4	2.644-4	1.475-4
10	39	6.299-3	6.235-3	4.869-3	4.201-3	3.542-3	2.408-3	1.425-3	1.191-3	1.010-3	7.464-4
10	40	6.670-3	6.617-3	5.280-3	4.618-3	3.941-3	2.713-3	1.586-3	1.311-3	1.097-3	7.904-4
10	41	4.339-3	4.224-3	3.236-3	2.754-3	2.274-3	1.445-3	7.309-4	5.653-4	4.401-4	2.732-4
10	42	5.416-3	4.901-3	3.588-3	3.024-3	2.478-3	1.555-3	7.784-4	6.023-4	4.720-4	3.045-4
10	43	6.100-3	5.716-3	4.323-3	3.711-3	3.128-3	2.152-3	1.304-3	1.091-3	9.168-4	6.434-4
10	44	1.680-2	1.550-2	1.205-2	1.035-2	8.624-3	5.575-3	2.948-3	2.359-3	1.934-3	1.413-3
10	45	1.781-2	1.604-2	1.196-2	1.018-2	8.470-3	5.616-3	3.293-3	2.795-3	2.449-3	2.034-3
10	46	8.849-3	8.480-3	6.751-3	6.025-3	5.354-3	4.278-3	3.427-3	3.246-3	3.116-3	2.870-3
10	47	9.270-3	7.378-3	4.966-3	4.176-3	3.473-3	2.354-3	1.431-3	1.215-3	1.047-3	8.011-4
10	48	3.115-3	2.613-3	1.767-3	1.462-3	1.189-3	7.607-4	4.163-4	3.355-4	2.723-4	1.806-4
10	49	2.342-3	1.991-3	1.370-3	1.134-3	9.189-4	5.775-4	3.026-4	2.392-4	1.904-4	1.223-4
10	50	4.986-3	4.932-3	4.095-3	3.660-3	3.213-3	2.392-3	1.586-3	1.360-3	1.163-3	8.278-4
10	51	3.539-3	3.698-3	3.239-3	2.980-3	2.713-3	2.214-3	1.706-3	1.559-3	1.428-3	1.182-3
10	52	4.892-3	5.057-3	4.295-3	3.872-3	3.434-3	2.617-3	1.791-3	1.553-3	1.343-3	9.775-4
10	53	2.363-3	2.374-3	1.972-3	1.780-3	1.589-3	1.243-3	8.920-4	7.879-4	6.933-4	5.205-4
10	54	1.299-3	1.294-3	1.109-3	1.023-3	9.368-4	7.803-4	6.285-4	5.892-4	5.578-4	4.995-4
10	55	5.174-3	4.644-3	3.658-3	3.241-3	2.845-3	2.188-3	1.610-3	1.456-3	1.324-3	1.082-3
10	56	1.125-2	9.942-3	7.923-3	7.091-3	6.279-3	4.872-3	3.612-3	3.297-3	3.040-3	2.590-3
10	57	3.922-4	3.603-4	2.573-4	2.112-4	1.682-4	1.007-4	4.834-5	3.672-5	2.799-5	1.637-5
10	58	1.180-2	1.049-2	9.010-3	8.481-3	7.974-3	7.119-3	6.526-3	6.496-3	6.566-3	6.677-3
10	59	9.811-3	9.217-3	8.476-3	8.203-3	7.941-3	7.506-3	7.300-3	7.377-3	7.540-3	7.764-3
10	60	9.062-3	8.463-3	6.713-3	5.986-3	5.309-3	4.200-3	3.201-3	2.922-3	2.672-3	2.194-3
10	61	7.529-3	5.954-3	4.324-3	3.789-3	3.287-3	2.421-3	1.633-3	1.438-3	1.283-3	1.041-3
10	62	2.367-2	2.337-2	2.052-2	1.930-2	1.819-2	1.647-2	1.519-2	1.493-2	1.474-2	1.403-2
10	63	2.753-3	2.479-3	2.080-3	1.952-3	1.835-3	1.644-3	1.503-3	1.488-3	1.491-3	1.486-3
10	64	3.690-3	3.347-3	2.566-3	2.266-3	1.985-3	1.511-3	1.082-3	9.694-4	8.747-4	7.097-4
10	65	8.868-3	7.987-3	6.416-3	5.866-3	5.386-3	4.672-3	4.164-3	4.067-3	3.999-3	3.793-3
10	66	6.937-4	5.951-4	4.178-4	3.577-4	3.062-4	2.311-4	1.812-4	1.743-4	1.724-4	1.730-4
10	67	1.801-3	1.451-3	9.716-4	8.011-4	6.476-4	4.091-4	2.250-4	1.848-4	1.550-4	1.147-4
10	68	3.004-3	2.577-3	1.855-3	1.576-3	1.320-3	9.108-4	5.760-4	4.948-4	4.291-4	3.240-4
10	69	1.139-2	9.189-3	7.186-3	6.588-3	6.027-3	5.032-3	4.016-3	3.708-3	3.427-3	2.865-3
10	70	1.059-2	1.008-2	9.182-3	8.797-3	8.436-3	7.876-3	7.525-3	7.495-3	7.498-3	7.300-3
10	71	1.166-2	1.127-2	1.070-2	1.047-2	1.022-2	9.750-3	9.380-3	9.357-3	9.398-3	9.301-3
10	72	9.719-3	8.549-3	7.107-3	6.631-3	6.185-3	5.381-3	4.453-3	4.120-3	3.786-3	3.069-3
10	73	2.269-4	1.966-4	1.431-4	1.216-4	1.017-4	7.056-5	4.666-5	4.153-5	3.776-5	3.206-5
10	74	1.961-3	1.814-3	1.641-3	1.572-3	1.501-3	1.369-3	1.233-3	1.195-3	1.162-3	1.078-3
10	75	3.491-3	3.399-3	3.253-3	3.182-3	3.106-3	2.966-3	2.888-3	2.908-3	2.957-3	3.012-3
10	76	6.671-2	6.672-2	6.641-2	6.619-2	6.595-2	6.583-2	6.809-2	7.016-2	7.298-2	7.722-2
10	77	7.770-3	7.404-3	6.939-3	6.764-3	6.591-3	6.295-3	6.157-3	6.214-3	6.331-3	6.458-3
10	78	1.186-2	1.144-2	1.101-2	1.084-2	1.068-2	1.043-2	1.051-2	1.072-2	1.105-2	1.151-2
10	79	3.624-4	3.119-4	2.253-4	1.894-4	1.563-4	1.043-4	6.455-5	5.607-5	4.994-5	4.135-5
10	80	1.992-3	1.858-3	1.529-3	1.393-3	1.267-3	1.072-3	9.392-4	9.246-4	9.270-4	9.361-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
10	81	1.500-3	1.439-3	1.264-3	1.196-3	1.136-3	1.054-3	1.045-3	1.076-3	1.128-3	1.225-3
10	82	6.791-4	5.779-4	3.781-4	3.060-4	2.435-4	1.515-4	8.392-5	6.911-5	5.795-5	4.234-5
10	83	1.104-3	1.021-3	8.506-4	7.862-4	7.287-4	6.463-4	6.175-4	6.328-4	6.624-4	7.231-4
10	84	7.429-4	6.116-4	4.253-4	3.648-4	3.131-4	2.366-4	1.767-4	1.617-4	1.490-4	1.251-4
10	85	1.144-3	9.631-4	7.166-4	6.310-4	5.540-4	4.309-4	3.192-4	2.862-4	2.556-4	1.966-4
10	86	7.481-4	6.961-4	5.646-4	5.127-4	4.661-4	3.977-4	3.642-4	3.686-4	3.820-4	4.116-4
10	87	1.938-3	1.846-3	1.653-3	1.576-3	1.506-3	1.407-3	1.388-3	1.420-3	1.473-3	1.563-3
10	88	8.312-4	7.320-4	6.325-4	6.037-4	5.798-4	5.473-4	5.334-4	5.360-4	5.416-4	5.380-4
10	89	4.341-3	3.944-3	2.968-3	2.548-3	2.154-3	1.518-3	9.835-4	8.463-4	7.299-4	5.335-4
10	90	5.263-4	4.474-4	3.367-4	2.983-4	2.635-4	2.074-4	1.553-4	1.396-4	1.247-4	9.558-5
10	91	2.225-4	1.997-4	1.730-4	1.650-4	1.583-4	1.493-4	1.467-4	1.485-4	1.514-4	1.538-4
10	92	7.742-4	6.643-4	5.210-4	4.706-4	4.253-4	3.536-4	2.923-4	2.759-4	2.616-4	2.308-4
10	93	4.467-4	4.269-4	3.819-4	3.642-4	3.487-4	3.298-4	3.424-4	3.621-4	3.912-4	4.507-4
10	94	1.876-2	1.860-2	1.792-2	1.760-2	1.732-2	1.692-2	1.687-2	1.699-2	1.714-2	1.688-2
10	95	1.006-3	9.281-4	8.113-4	7.693-4	7.319-4	6.777-4	6.518-4	6.552-4	6.645-4	6.685-4
10	96	6.536-4	6.317-4	5.309-4	4.862-4	4.448-4	3.805-4	3.363-4	3.301-4	3.279-4	3.201-4
10	97	1.586-3	1.564-3	1.469-3	1.425-3	1.384-3	1.322-3	1.288-3	1.287-3	1.291-3	1.257-3
10	98	1.128-3	9.475-4	7.213-4	6.435-4	5.737-4	4.617-4	3.551-4	3.211-4	2.880-4	2.209-4
10	99	6.033-4	5.384-4	4.218-4	3.795-4	3.415-4	2.806-4	2.217-4	2.025-4	1.834-4	1.438-4
10	100	2.738-4	2.545-4	2.176-4	2.029-4	1.892-4	1.655-4	1.391-4	1.294-4	1.193-4	9.660-5
10	101	1.432-4	1.295-4	1.105-4	1.037-4	9.744-5	8.677-5	7.452-5	6.983-5	6.487-5	5.342-5
10	102	8.241-4	7.353-4	5.960-4	5.444-4	4.984-4	4.290-4	3.803-4	3.721-4	3.678-4	3.539-4
10	103	4.871-4	4.657-4	4.129-4	3.909-4	3.708-4	3.413-4	3.264-4	3.276-4	3.318-4	3.331-4
10	104	4.903-4	4.763-4	4.446-4	4.322-4	4.217-4	4.101-4	4.191-4	4.308-4	4.466-4	4.665-4
10	105	5.585-4	5.486-4	5.083-4	4.889-4	4.710-4	4.465-4	4.453-4	4.550-4	4.695-4	4.877-4
10	106	2.578-3	2.371-3	1.943-3	1.777-3	1.631-3	1.420-3	1.308-3	1.313-3	1.342-3	1.396-3
10	107	4.617-4	4.391-4	3.466-4	3.099-4	2.777-4	2.317-4	2.052-4	2.035-4	2.051-4	2.066-4
10	108	6.762-3	6.403-3	5.400-3	5.019-3	4.694-3	4.275-3	4.242-3	4.401-3	4.655-3	5.151-3
10	109	4.183-3	3.962-3	3.301-3	3.051-3	2.839-3	2.563-3	2.521-3	2.608-3	2.755-3	3.051-3
10	110	2.800-3	2.346-3	1.704-3	1.497-3	1.323-3	1.061-3	8.271-4	7.530-4	6.800-4	5.282-4
10	111	1.999-3	1.903-3	1.645-3	1.554-3	1.479-3	1.396-3	1.447-3	1.524-3	1.635-3	1.853-3
10	112	2.905-3	2.713-3	2.327-3	2.209-3	2.121-3	2.044-3	2.179-3	2.319-3	2.515-3	2.902-3
10	113	2.592-4	2.271-4	1.840-4	1.707-4	1.601-4	1.473-4	1.467-4	1.516-4	1.591-4	1.726-4
10	114	4.194-3	3.972-3	3.760-3	3.709-3	3.673-3	3.638-3	3.665-3	3.702-3	3.752-3	3.732-3
10	115	2.588-3	2.349-3	2.106-3	2.037-3	1.974-3	1.852-3	1.641-3	1.537-3	1.416-3	1.125-3
10	116	1.692-3	1.635-3	1.568-3	1.551-3	1.538-3	1.523-3	1.525-3	1.534-3	1.547-3	1.523-3
10	117	1.584-3	1.507-3	1.415-3	1.386-3	1.359-3	1.305-3	1.208-3	1.160-3	1.105-3	9.565-4
10	118	1.183-3	1.159-3	1.126-3	1.118-3	1.115-3	1.120-3	1.161-3	1.190-3	1.226-3	1.260-3
10	119	5.262-3	5.222-3	5.198-3	5.205-3	5.225-3	5.312-3	5.587-3	5.763-3	5.976-3	6.211-3
10	120	5.285-4	5.163-4	4.826-4	4.718-4	4.643-4	4.616-4	4.915-4	5.162-4	5.492-4	6.060-4
10	121	7.626-4	7.530-4	7.441-4	7.422-4	7.411-4	7.414-4	7.494-4	7.564-4	7.653-4	7.575-4
10	122	2.416-3	2.415-3	2.423-3	2.431-3	2.444-3	2.488-3	2.616-3	2.697-3	2.795-3	2.900-3
10	123	4.873-3	4.893-3	4.931-3	4.957-3	4.993-3	5.113-3	5.448-3	5.655-3	5.905-3	6.213-3
10	124	2.258-4	2.258-4	2.274-4	2.286-4	2.304-4	2.362-4	2.524-4	2.623-4	2.743-4	2.893-4
10	125	2.591-4	2.601-4	2.625-4	2.640-4	2.661-4	2.727-4	2.906-4	3.017-4	3.150-4	3.310-4
11	12	2.303-2	2.227-2	2.131-2	2.098-2	2.081-2	2.284-2	2.974-2	3.130-2	3.140-2	2.727-2
11	13	2.217-2	2.204-2	2.173-2	2.160-2	2.164-2	2.449-2	3.265-2	3.431-2	3.440-2	3.027-2
11	14	6.522-3	6.500-3	6.433-3	6.406-3	6.485-3	7.966-3	1.158-2	1.224-2	1.221-2	1.045-2
11	15	1.114-3	1.110-3	1.096-3	1.096-3	1.156-3	1.861-3	3.293-3	3.505-3	3.466-3	2.812-3
11	16	7.273-5	7.726-5	8.083-5	7.791-5	7.177-5	5.296-5	2.806-5	2.117-5	1.575-5	8.525-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a \pm b \equiv a \times 10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
11	17	2.223-4	2.629-4	2.292-4	2.029-4	1.738-4	1.160-4	5.745-5	4.278-5	3.154-5	1.687-5
11	18	8.512-4	8.049-4	6.687-4	5.988-4	5.201-4	3.541-4	1.777-4	1.327-4	9.803-5	5.268-5
11	19	4.150-4	4.262-4	3.726-4	3.344-4	2.894-4	1.945-4	9.635-5	7.173-5	5.285-5	2.816-5
11	20	2.025-3	1.918-3	1.569-3	1.390-3	1.191-3	7.913-4	3.894-4	2.896-4	2.133-4	1.137-4
11	21	3.969-4	5.008-4	5.438-4	5.207-4	4.756-4	3.446-4	1.796-4	1.352-4	1.006-4	5.479-5
11	22	7.131-4	8.443-4	8.436-4	7.880-4	7.051-4	4.964-4	2.538-4	1.903-4	1.413-4	7.695-5
11	23	8.279-4	9.317-4	8.964-4	8.182-4	7.142-4	4.833-4	2.435-4	1.841-4	1.390-4	8.040-5
11	24	8.962-4	8.428-4	6.757-4	5.997-4	5.167-4	3.474-4	1.734-4	1.299-4	9.674-5	5.373-5
11	25	3.131-3	2.445-3	1.791-3	1.561-3	1.324-3	8.700-4	4.264-4	3.174-4	2.343-4	1.260-4
11	26	2.655-3	2.205-3	1.655-3	1.452-3	1.240-3	8.236-4	4.068-4	3.035-4	2.247-4	1.222-4
11	27	4.064-3	3.694-3	2.854-3	2.510-3	2.148-3	1.435-3	7.236-4	5.484-4	4.157-4	2.447-4
11	28	2.377-3	2.063-3	1.628-3	1.426-3	1.210-3	7.947-4	4.036-4	3.107-4	2.416-4	1.538-4
11	29	1.511-3	1.364-3	1.119-3	9.889-4	8.431-4	5.529-4	2.693-4	2.001-4	1.474-4	7.888-5
11	30	7.046-3	5.483-3	4.176-3	3.682-3	3.149-3	2.088-3	1.042-3	7.865-4	5.927-4	3.410-4
11	31	2.378-3	2.543-3	2.432-3	2.239-3	1.971-3	1.350-3	6.837-4	5.170-4	3.903-4	2.264-4
11	32	1.490-3	1.371-3	1.140-3	1.030-3	9.016-4	6.180-4	3.108-4	2.323-4	1.719-4	9.283-5
11	33	1.963-3	2.051-3	1.750-3	1.530-3	1.286-3	8.230-4	3.995-4	3.001-4	2.256-4	1.298-4
11	34	2.381-3	2.049-3	1.689-3	1.528-3	1.337-3	9.134-4	4.562-4	3.398-4	2.504-4	1.335-4
11	35	5.156-3	3.786-3	2.732-3	2.396-3	2.048-3	1.360-3	6.683-4	4.965-4	3.653-4	1.946-4
11	36	4.517-3	4.248-3	3.672-3	3.361-3	2.969-3	2.059-3	1.044-3	7.826-4	5.808-4	3.153-4
11	37	2.441-3	2.616-3	2.305-3	2.103-3	1.853-3	1.285-3	6.589-4	4.974-4	3.728-4	2.079-4
11	38	3.623-3	3.140-3	2.636-3	2.377-3	2.066-3	1.393-3	6.913-4	5.158-4	3.818-4	2.073-4
11	39	1.672-3	1.694-3	1.447-3	1.280-3	1.087-3	7.056-4	3.427-4	2.559-4	1.902-4	1.051-4
11	40	3.254-3	3.132-3	2.614-3	2.295-3	1.939-3	1.253-3	6.127-4	4.610-4	3.467-4	1.986-4
11	41	8.173-3	7.389-3	5.957-3	5.254-3	4.486-3	2.982-3	1.534-3	1.184-3	9.201-4	5.737-4
11	42	2.569-3	2.568-3	2.255-3	2.035-3	1.766-3	1.185-3	5.837-4	4.343-4	3.204-4	1.721-4
11	43	1.210-3	1.172-3	9.611-4	8.399-4	7.071-4	4.544-4	2.209-4	1.653-4	1.233-4	6.808-5
11	44	1.302-3	1.109-3	8.429-4	7.241-4	6.016-4	3.795-4	1.810-4	1.346-4	9.984-5	5.504-5
11	45	4.022-3	3.751-3	3.072-3	2.672-3	2.239-3	1.431-3	7.010-4	5.305-4	4.029-4	2.382-4
11	46	2.226-3	1.997-3	1.604-3	1.400-3	1.178-3	7.563-4	3.700-4	2.795-4	2.119-4	1.253-4
11	47	2.420-3	2.266-3	1.814-3	1.565-3	1.304-3	8.293-4	4.138-4	3.187-4	2.482-4	1.581-4
11	48	7.485-3	6.616-3	4.856-3	4.109-3	3.403-3	2.261-3	1.368-3	1.182-3	1.057-3	9.110-4
11	49	1.151-2	8.778-3	5.815-3	4.801-3	3.892-3	2.486-3	1.409-3	1.178-3	1.012-3	7.977-4
11	50	1.556-3	1.589-3	1.380-3	1.220-3	1.035-3	6.714-4	3.298-4	2.480-4	1.859-4	1.038-4
11	51	2.248-3	2.757-3	2.636-3	2.377-3	2.046-3	1.350-3	6.720-4	5.098-4	3.879-4	2.302-4
11	52	3.629-3	3.426-3	2.833-3	2.487-3	2.100-3	1.353-3	6.595-4	4.958-4	3.728-4	2.136-4
11	53	1.701-3	2.009-3	1.885-3	1.698-3	1.461-3	9.621-4	4.731-4	3.552-4	2.661-4	1.504-4
11	54	6.072-4	7.105-4	6.760-4	6.120-4	5.287-4	3.502-4	1.729-4	1.298-4	9.707-5	5.423-5
11	55	2.151-3	1.928-3	1.454-3	1.226-3	9.989-4	6.116-4	2.910-4	2.188-4	1.651-4	9.564-5
11	56	2.116-3	1.866-3	1.375-3	1.154-3	9.376-4	5.720-4	2.700-4	2.021-4	1.516-4	8.652-5
11	57	8.437-3	8.303-3	6.445-3	5.626-3	4.876-3	3.703-3	2.747-3	2.506-3	2.303-3	1.934-3
11	58	3.288-3	3.083-3	2.495-3	2.171-3	1.820-3	1.162-3	5.701-4	4.330-4	3.311-4	2.008-4
11	59	2.797-3	2.566-3	2.038-3	1.767-3	1.479-3	9.515-4	4.858-4	3.791-4	3.001-4	1.981-4
11	60	3.097-3	2.720-3	1.971-3	1.644-3	1.331-3	8.148-4	3.979-4	3.048-4	2.355-4	1.450-4
11	61	5.048-3	3.803-3	2.652-3	2.248-3	1.857-3	1.185-3	6.149-4	4.878-4	3.956-4	2.793-4
11	62	3.911-3	3.313-3	2.287-3	1.886-3	1.517-3	9.305-4	4.759-4	3.788-4	3.097-4	2.252-4
11	63	4.800-4	4.711-4	3.934-4	3.446-4	2.920-4	1.958-4	1.120-4	9.327-5	7.976-5	6.223-5
11	64	1.489-3	1.360-3	9.788-4	8.079-4	6.464-4	3.873-4	1.832-4	1.381-4	1.044-4	6.053-5
11	65	9.476-3	8.110-3	5.706-3	4.768-3	3.909-3	2.562-3	1.542-3	1.334-3	1.196-3	1.037-3
11	66	2.070-2	1.969-2	1.646-2	1.520-2	1.410-2	1.243-2	1.113-2	1.081-2	1.055-2	9.790-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
11	67	5.410-3	5.087-3	3.760-3	3.130-3	2.536-3	1.588-3	8.517-4	6.910-4	5.730-4	4.176-4
11	68	2.661-2	2.240-2	1.572-2	1.315-2	1.082-2	7.202-3	4.583-3	4.114-3	3.857-3	3.668-3
11	69	2.872-3	2.626-3	1.939-3	1.627-3	1.324-3	8.239-4	4.188-4	3.274-4	2.586-4	1.658-4
11	70	6.175-3	5.847-3	4.329-3	3.637-3	2.988-3	1.955-3	1.141-3	9.579-4	8.192-4	6.227-4
11	71	2.530-3	2.469-3	1.936-3	1.639-3	1.338-3	8.253-4	4.039-4	3.104-4	2.417-4	1.535-4
11	72	2.082-3	1.791-3	1.259-3	1.043-3	8.412-4	5.148-4	2.543-4	1.961-4	1.527-4	9.526-5
11	73	2.019-2	1.700-2	1.382-2	1.291-2	1.214-2	1.097-2	9.994-3	9.758-3	9.576-3	9.052-3
11	74	4.032-3	3.310-3	2.278-3	1.895-3	1.547-3	1.005-3	5.766-4	4.752-4	3.942-4	2.709-4
11	75	2.719-3	2.424-3	1.798-3	1.526-3	1.269-3	8.557-4	5.183-4	4.368-4	3.707-4	2.669-4
11	76	1.902-3	1.816-3	1.393-3	1.174-3	9.570-4	5.901-4	2.896-4	2.224-4	1.725-4	1.076-4
11	77	5.791-3	5.402-3	4.157-3	3.631-3	3.148-3	2.395-3	1.803-3	1.666-3	1.556-3	1.355-3
11	78	5.960-3	5.321-3	4.071-3	3.584-3	3.142-3	2.458-3	1.924-3	1.802-3	1.704-3	1.515-3
11	79	3.684-2	3.602-2	3.483-2	3.434-2	3.389-2	3.323-2	3.336-2	3.386-2	3.463-2	3.545-2
11	80	9.785-3	8.514-3	6.026-3	5.093-3	4.264-3	3.000-3	1.990-3	1.736-3	1.521-3	1.154-3
11	81	7.108-3	6.130-3	4.422-3	3.833-3	3.328-3	2.575-3	1.961-3	1.796-3	1.649-3	1.362-3
11	82	1.983-3	1.689-3	1.261-3	1.116-3	9.900-4	7.988-4	6.302-4	5.794-4	5.311-4	4.312-4
11	83	1.518-2	1.434-2	1.269-2	1.211-2	1.162-2	1.093-2	1.053-2	1.048-2	1.047-2	1.014-2
11	84	3.723-2	3.549-2	3.195-2	3.067-2	2.959-2	2.810-2	2.733-2	2.732-2	2.738-2	2.665-2
11	85	6.223-3	5.701-3	4.415-3	3.956-3	3.564-3	2.992-3	2.560-3	2.462-3	2.385-3	2.207-3
11	86	5.069-3	4.450-3	3.178-3	2.736-3	2.357-3	1.794-3	1.321-3	1.185-3	1.059-3	8.131-4
11	87	5.031-3	4.564-3	3.377-3	2.958-3	2.600-3	2.076-3	1.656-3	1.545-3	1.448-3	1.248-3
11	88	8.706-3	8.116-3	7.441-3	7.252-3	7.101-3	6.910-3	6.917-3	7.016-3	7.171-3	7.322-3
11	89	1.696-3	1.521-3	1.164-3	1.043-3	9.402-4	7.945-4	7.047-4	6.959-4	6.982-4	7.008-4
11	90	9.311-3	8.754-3	8.007-3	7.787-3	7.607-3	7.370-3	7.322-3	7.400-3	7.533-3	7.635-3
11	91	1.616-3	1.484-3	1.277-3	1.213-3	1.158-3	1.073-3	9.888-4	9.623-4	9.377-4	8.679-4
11	92	5.450-3	4.747-3	3.893-3	3.651-3	3.449-3	3.122-3	2.727-3	2.565-3	2.391-3	1.981-3
11	93	1.263-3	1.077-3	8.296-4	7.586-4	7.001-4	6.121-4	5.239-4	4.923-4	4.595-4	3.838-4
11	94	8.032-4	6.678-4	4.658-4	4.011-4	3.459-4	2.629-4	1.928-4	1.731-4	1.551-4	1.209-4
11	95	5.602-3	4.652-3	3.651-3	3.386-3	3.169-3	2.821-3	2.397-3	2.221-3	2.029-3	1.595-3
11	96	1.803-2	1.768-2	1.729-2	1.718-2	1.711-2	1.714-2	1.779-2	1.832-2	1.902-2	1.998-2
11	97	2.921-3	2.531-3	2.148-3	2.047-3	1.960-3	1.813-3	1.613-3	1.526-3	1.430-3	1.198-3
11	98	4.531-3	3.909-3	3.372-3	3.240-3	3.132-3	2.962-3	2.765-3	2.690-3	2.612-3	2.381-3
11	99	2.885-2	2.849-2	2.821-2	2.815-2	2.813-2	2.836-2	2.973-2	3.076-2	3.211-2	3.406-2
11	100	3.139-2	3.122-2	3.110-2	3.108-2	3.109-2	3.140-2	3.303-2	3.423-2	3.577-2	3.802-2
11	101	1.671-2	1.663-2	1.659-2	1.658-2	1.659-2	1.677-2	1.766-2	1.831-2	1.914-2	2.035-2
11	102	2.359-3	2.349-3	2.317-3	2.296-3	2.269-3	2.191-3	2.016-3	1.926-3	1.823-3	1.557-3
11	103	1.073-2	1.071-2	1.069-2	1.067-2	1.066-2	1.069-2	1.101-2	1.127-2	1.162-2	1.204-2
11	104	2.601-3	2.591-3	2.573-3	2.562-3	2.550-3	2.529-3	2.525-3	2.538-3	2.562-3	2.538-3
11	105	1.345-3	1.340-3	1.317-3	1.303-3	1.285-3	1.236-3	1.133-3	1.081-3	1.022-3	8.734-4
11	106	2.765-4	2.663-4	2.324-4	2.174-4	2.035-4	1.803-4	1.566-4	1.484-4	1.399-4	1.195-4
11	107	2.838-4	2.783-4	2.645-4	2.579-4	2.509-4	2.355-4	2.083-4	1.951-4	1.800-4	1.441-4
11	108	3.611-4	3.548-4	3.064-4	2.843-4	2.634-4	2.280-4	1.893-4	1.749-4	1.600-4	1.268-4
11	109	1.970-4	1.863-4	1.441-4	1.271-4	1.120-4	8.828-5	6.698-5	6.050-5	5.432-5	4.197-5
11	110	1.898-4	1.673-4	1.296-4	1.167-4	1.056-4	8.867-5	7.312-5	6.819-5	6.336-5	5.280-5
11	111	8.023-5	7.081-5	5.083-5	4.355-5	3.722-5	2.774-5	2.019-5	1.827-5	1.661-5	1.356-5
11	112	2.534-4	2.357-4	1.993-4	1.873-4	1.774-4	1.627-4	1.502-4	1.463-4	1.424-4	1.304-4
11	113	4.617-5	4.103-5	3.369-5	3.104-5	2.865-5	2.472-5	2.049-5	1.893-5	1.728-5	1.365-5
11	114	1.541-4	1.395-4	1.205-4	1.147-4	1.095-4	1.000-4	8.577-5	7.926-5	7.199-5	5.554-5
11	115	1.532-4	1.401-4	1.240-4	1.191-4	1.148-4	1.069-4	9.495-5	8.950-5	8.340-5	6.871-5
11	116	1.676-4	1.590-4	1.483-4	1.451-4	1.423-4	1.376-4	1.317-4	1.296-4	1.275-4	1.195-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
11	117	2.901-4	2.785-4	2.646-4	2.605-4	2.569-4	2.506-4	2.426-4	2.399-4	2.372-4	2.246-4
11	118	5.254-5	4.841-5	4.181-5	3.974-5	3.793-5	3.471-5	3.014-5	2.808-5	2.578-5	2.042-5
11	119	3.348-4	3.262-4	3.140-4	3.089-4	3.033-4	2.886-4	2.563-4	2.393-4	2.194-4	1.722-4
11	120	5.406-5	4.867-5	3.826-5	3.477-5	3.179-5	2.729-5	2.309-5	2.171-5	2.033-5	1.716-5
11	121	1.276-4	1.252-4	1.226-4	1.220-4	1.217-4	1.222-4	1.264-4	1.295-4	1.336-4	1.382-4
11	122	2.642-4	2.628-4	2.610-4	2.606-4	2.604-4	2.612-4	2.670-4	2.716-4	2.777-4	2.818-4
11	123	4.045-4	4.050-4	4.036-4	4.031-4	4.029-4	4.035-4	4.100-4	4.157-4	4.236-4	4.274-4
11	124	5.201-5	5.101-5	4.985-5	4.931-5	4.863-5	4.662-5	4.183-5	3.924-5	3.620-5	2.882-5
11	125	9.660-5	9.667-5	9.662-5	9.657-5	9.650-5	9.637-5	9.675-5	9.741-5	9.841-5	9.754-5
12	13	2.453-2	2.412-2	2.313-2	2.271-2	2.254-2	2.622-2	3.837-2	4.105-2	4.134-2	3.525-2
12	14	8.417-3	8.300-3	8.117-3	8.050-3	8.097-3	9.596-3	1.361-2	1.450-2	1.473-2	1.341-2
12	15	1.439-2	1.435-2	1.421-2	1.413-2	1.423-2	1.689-2	2.361-2	2.475-2	2.456-2	2.081-2
12	16	2.151-5	2.407-5	2.562-5	2.480-5	2.309-5	1.759-5	9.656-6	7.335-6	5.473-6	2.940-6
12	17	1.084-4	1.178-4	1.095-4	1.011-4	9.026-5	6.429-5	3.350-5	2.521-5	1.872-5	1.010-5
12	18	5.432-4	4.044-4	2.892-4	2.538-4	2.187-4	1.492-4	7.542-5	5.631-5	4.151-5	2.201-5
12	19	5.268-4	5.099-4	4.336-4	3.881-4	3.351-4	2.245-4	1.110-4	8.268-5	6.097-5	3.258-5
12	20	6.865-4	6.960-4	6.259-4	5.680-4	4.960-4	3.377-4	1.686-4	1.256-4	9.252-5	4.916-5
12	21	3.015-4	4.060-4	4.408-4	4.199-4	3.822-4	2.766-4	1.444-4	1.086-4	8.073-5	4.369-5
12	22	1.611-4	1.909-4	1.960-4	1.863-4	1.700-4	1.243-4	6.547-5	4.925-5	3.649-5	1.945-5
12	23	1.029-3	1.066-3	9.790-4	8.854-4	7.681-4	5.158-4	2.578-4	1.942-4	1.460-4	8.362-5
12	24	7.600-4	7.346-4	6.048-4	5.392-4	4.661-4	3.150-4	1.581-4	1.186-4	8.834-5	4.893-5
12	25	1.221-3	1.043-3	8.068-4	7.094-4	6.064-4	4.030-4	1.988-4	1.480-4	1.091-4	5.839-5
12	26	3.236-3	2.772-3	2.223-3	1.992-3	1.732-3	1.183-3	6.011-4	4.535-4	3.404-4	1.925-4
12	27	7.233-4	7.039-4	5.758-4	5.136-4	4.449-4	3.023-4	1.524-4	1.143-4	8.523-5	4.740-5
12	28	1.867-3	1.739-3	1.396-3	1.249-3	1.086-3	7.453-4	3.869-4	2.975-4	2.306-4	1.464-4
12	29	1.279-3	1.204-3	1.004-3	8.916-4	7.639-4	5.052-4	2.474-4	1.838-4	1.353-4	7.207-5
12	30	1.473-3	1.261-3	1.007-3	8.971-4	7.751-4	5.214-4	2.587-4	1.927-4	1.421-4	7.601-5
12	31	1.759-3	1.545-3	1.266-3	1.135-3	9.841-4	6.648-4	3.314-4	2.480-4	1.844-4	1.023-4
12	32	1.344-3	1.346-3	1.237-3	1.149-3	1.027-3	7.246-4	3.729-4	2.808-4	2.095-4	1.154-4
12	33	1.318-3	1.348-3	1.183-3	1.060-3	9.130-4	6.077-4	2.990-4	2.228-4	1.647-4	8.937-5
12	34	1.907-3	1.673-3	1.413-3	1.286-3	1.132-3	7.806-4	3.926-4	2.928-4	2.158-4	1.149-4
12	35	2.901-3	2.586-3	2.232-3	2.036-3	1.792-3	1.235-3	6.220-4	4.647-4	3.436-4	1.847-4
12	36	1.808-3	1.715-3	1.525-3	1.401-3	1.242-3	8.677-4	4.422-4	3.313-4	2.455-4	1.324-4
12	37	6.078-4	6.528-4	5.853-4	5.353-4	4.730-4	3.298-4	1.684-4	1.264-4	9.373-5	5.055-5
12	38	8.347-4	8.405-4	7.894-4	7.292-4	6.459-4	4.468-4	2.242-4	1.669-4	1.228-4	6.490-5
12	39	2.732-3	3.087-3	2.656-3	2.348-3	2.003-3	1.318-3	6.512-4	4.891-4	3.666-4	2.087-4
12	40	2.582-3	2.567-3	2.058-3	1.795-3	1.515-3	9.816-4	4.761-4	3.543-4	2.622-4	1.430-4
12	41	8.117-3	7.768-3	6.274-3	5.591-3	4.839-3	3.291-3	1.700-3	1.303-3	1.001-3	6.028-4
12	42	1.607-3	1.571-3	1.358-3	1.231-3	1.075-3	7.303-4	3.631-4	2.704-4	1.995-4	1.069-4
12	43	1.550-3	1.366-3	1.068-3	9.338-4	7.913-4	5.164-4	2.517-4	1.872-4	1.381-4	7.405-5
12	44	1.175-3	9.984-4	7.576-4	6.534-4	5.457-4	3.469-4	1.650-4	1.218-4	8.941-5	4.765-5
12	45	4.683-3	4.305-3	3.602-3	3.200-3	2.740-3	1.808-3	8.938-4	6.718-4	5.039-4	2.860-4
12	46	2.473-3	2.094-3	1.597-3	1.388-3	1.169-3	7.548-4	3.663-4	2.735-4	2.036-4	1.136-4
12	47	5.545-3	4.334-3	3.099-3	2.652-3	2.207-3	1.408-3	6.882-4	5.194-4	3.929-4	2.302-4
12	48	2.105-3	1.742-3	1.278-3	1.086-3	8.961-4	5.658-4	2.803-4	2.137-4	1.632-4	9.571-5
12	49	1.849-3	1.749-3	1.430-3	1.244-3	1.042-3	6.686-4	3.325-4	2.541-4	1.952-4	1.185-4
12	50	8.454-4	8.725-4	7.674-4	6.877-4	5.926-4	3.938-4	1.927-4	1.430-4	1.052-4	5.581-5
12	51	1.278-3	1.482-3	1.401-3	1.284-3	1.129-3	7.711-4	3.851-4	2.873-4	2.123-4	1.141-4
12	52	1.665-3	1.657-3	1.455-3	1.312-3	1.138-3	7.629-4	3.757-4	2.793-4	2.057-4	1.099-4
12	53	1.752-3	1.970-3	1.874-3	1.729-3	1.530-3	1.059-3	5.363-4	4.021-4	2.989-4	1.631-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
12	54	7.763-4	8.635-4	8.303-4	7.703-4	6.850-4	4.777-4	2.438-4	1.834-4	1.367-4	7.500-5
12	55	5.189-3	4.009-3	2.946-3	2.538-3	2.122-3	1.360-3	6.730-4	5.144-4	3.981-4	2.536-4
12	56	2.891-3	2.522-3	2.022-3	1.772-3	1.498-3	9.694-4	4.741-4	3.560-4	2.670-4	1.516-4
12	57	9.858-4	1.001-3	7.801-4	6.682-4	5.604-4	3.827-4	2.351-4	1.999-4	1.719-4	1.292-4
12	58	2.835-3	2.804-3	2.424-3	2.168-3	1.865-3	1.236-3	6.098-4	4.572-4	3.415-4	1.916-4
12	59	5.001-3	4.100-3	3.168-3	2.803-3	2.404-3	1.598-3	7.900-4	5.904-4	4.385-4	2.408-4
12	60	2.538-3	2.488-3	2.143-3	1.902-3	1.624-3	1.076-3	5.648-4	4.447-4	3.554-4	2.397-4
12	61	4.561-3	3.503-3	2.585-3	2.243-3	1.889-3	1.222-3	5.961-4	4.466-4	3.341-4	1.895-4
12	62	5.375-3	4.687-3	3.512-3	2.986-3	2.465-3	1.570-3	8.172-4	6.459-4	5.180-4	3.489-4
12	63	6.925-4	5.974-4	4.861-4	4.343-4	3.752-4	2.524-4	1.268-4	9.544-5	7.144-5	3.983-5
12	64	1.843-3	1.741-3	1.358-3	1.162-3	9.616-4	6.095-4	3.111-4	2.454-4	1.989-4	1.439-4
12	65	1.059-2	1.002-2	7.711-3	6.579-3	5.474-3	3.648-3	2.181-3	1.861-3	1.630-3	1.329-3
12	66	2.867-3	2.727-3	2.100-3	1.817-3	1.552-3	1.124-3	7.719-4	6.858-4	6.151-4	4.950-4
12	67	9.140-3	7.981-3	5.989-3	5.094-3	4.227-3	2.799-3	1.689-3	1.472-3	1.339-3	1.215-3
12	68	7.656-3	6.912-3	5.013-3	4.170-3	3.372-3	2.087-3	1.067-3	8.376-4	6.640-4	4.276-4
12	69	3.589-3	3.476-3	2.995-3	2.659-3	2.268-3	1.490-3	7.508-4	5.749-4	4.427-4	2.708-4
12	70	8.934-3	8.510-3	6.458-3	5.415-3	4.398-3	2.728-3	1.412-3	1.132-3	9.350-4	6.992-4
12	71	3.594-3	4.593-3	4.938-3	4.621-3	4.102-3	2.833-3	1.474-3	1.136-3	8.804-4	5.448-4
12	72	2.432-3	2.358-3	1.963-3	1.721-3	1.451-3	9.332-4	4.527-4	3.385-4	2.521-4	1.394-4
12	73	3.951-3	3.218-3	2.412-3	2.124-3	1.860-3	1.443-3	1.117-3	1.048-3	9.993-4	9.192-4
12	74	3.789-3	3.697-3	3.124-3	2.791-3	2.433-3	1.763-3	1.139-3	9.828-4	8.577-4	6.616-4
12	75	4.160-3	3.990-3	3.329-3	2.957-3	2.553-3	1.793-3	1.082-3	9.050-4	7.643-4	5.529-4
12	76	2.241-3	2.379-3	2.101-3	1.863-3	1.583-3	1.024-3	4.940-4	3.675-4	2.720-4	1.479-4
12	77	5.930-3	5.751-3	4.608-3	4.047-3	3.489-3	2.526-3	1.699-3	1.503-3	1.353-3	1.118-3
12	78	7.513-3	6.934-3	5.428-3	4.710-3	3.992-3	2.752-3	1.695-3	1.452-3	1.269-3	1.005-3
12	79	7.440-3	6.249-3	4.563-3	3.908-3	3.308-3	2.365-3	1.616-3	1.442-3	1.307-3	1.091-3
12	80	8.696-3	7.065-3	4.683-3	3.867-3	3.155-3	2.090-3	1.291-3	1.114-3	9.795-4	7.797-4
12	81	1.001-2	8.933-3	6.692-3	5.887-3	5.185-3	4.111-3	3.177-3	2.904-3	2.648-3	2.133-3
12	82	4.159-3	3.665-3	2.642-3	2.264-3	1.932-3	1.436-3	1.049-3	9.552-4	8.772-4	7.368-4
12	83	1.238-2	1.126-2	9.091-3	8.322-3	7.656-3	6.669-3	5.907-3	5.721-3	5.561-3	5.126-3
12	84	7.551-3	6.443-3	4.761-3	4.175-3	3.668-3	2.920-3	2.362-3	2.236-3	2.136-3	1.927-3
12	85	4.701-3	3.745-3	2.488-3	2.096-3	1.765-3	1.280-3	8.919-4	7.897-4	6.998-4	5.369-4
12	86	2.836-2	2.670-2	2.324-2	2.202-2	2.099-2	1.955-2	1.873-2	1.866-2	1.866-2	1.810-2
12	87	5.394-3	4.581-3	3.095-3	2.589-3	2.156-3	1.517-3	1.021-3	8.969-4	7.925-4	6.123-4
12	88	8.234-3	6.935-3	5.495-3	5.058-3	4.679-3	4.074-3	3.452-3	3.235-3	3.015-3	2.518-3
12	89	1.947-2	1.727-2	1.237-2	1.050-2	8.827-3	6.332-3	4.664-3	4.430-3	4.365-3	4.422-3
12	90	6.316-3	5.737-3	4.630-3	4.232-3	3.876-3	3.306-3	2.792-3	2.644-3	2.510-3	2.211-3
12	91	3.599-3	3.274-3	2.814-3	2.664-3	2.531-3	2.315-3	2.106-3	2.043-3	1.986-3	1.832-3
12	92	9.462-3	8.477-3	7.038-3	6.576-3	6.169-3	5.488-3	4.681-3	4.363-3	4.025-3	3.260-3
12	93	9.539-4	8.349-4	6.568-4	6.012-4	5.548-4	4.885-4	4.420-4	4.337-4	4.288-4	4.122-4
12	94	7.629-3	6.839-3	5.080-3	4.415-3	3.823-3	2.933-3	2.337-3	2.256-3	2.238-3	2.247-3
12	95	6.280-3	4.934-3	3.381-3	2.939-3	2.573-3	2.029-3	1.544-3	1.394-3	1.249-3	9.597-4
12	96	2.334-2	2.280-2	2.197-2	2.169-2	2.144-2	2.115-2	2.141-2	2.179-2	2.234-2	2.291-2
12	97	1.623-2	1.604-2	1.558-2	1.541-2	1.526-2	1.512-2	1.551-2	1.591-2	1.645-2	1.714-2
12	98	4.569-3	3.424-3	2.365-3	2.076-3	1.837-3	1.477-3	1.144-3	1.037-3	9.325-4	7.208-4
12	99	4.376-3	3.909-3	3.329-3	3.139-3	2.972-3	2.714-3	2.503-3	2.458-3	2.427-3	2.325-3
12	100	4.961-3	4.587-3	4.082-3	3.917-3	3.773-3	3.563-3	3.443-3	3.446-3	3.474-3	3.455-3
12	101	2.309-3	2.121-3	1.907-3	1.838-3	1.778-3	1.696-3	1.673-3	1.694-3	1.729-3	1.764-3
12	102	1.915-3	1.863-3	1.700-3	1.620-3	1.539-3	1.385-3	1.182-3	1.100-3	1.011-3	8.116-4
12	103	5.041-2	5.029-2	5.021-2	5.017-2	5.020-2	5.076-2	5.353-2	5.554-2	5.813-2	6.195-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
12	104	7.245-4	7.132-4	6.624-4	6.346-4	6.065-4	5.549-4	4.966-4	4.762-4	4.556-4	4.041-4
12	105	2.014-3	1.974-3	1.869-3	1.821-3	1.776-3	1.707-3	1.681-3	1.695-3	1.721-3	1.735-3
12	106	2.929-2	2.853-2	2.623-2	2.528-2	2.442-2	2.320-2	2.255-2	2.253-2	2.257-2	2.193-2
12	107	6.068-4	6.007-4	5.303-4	4.967-4	4.657-4	4.190-4	3.921-4	3.919-4	3.963-4	3.999-4
12	108	4.801-3	4.718-3	3.678-3	3.204-3	2.770-3	2.087-3	1.498-3	1.332-3	1.181-3	8.947-4
12	109	4.307-3	3.959-3	3.013-3	2.652-3	2.335-3	1.856-3	1.459-3	1.351-3	1.255-3	1.061-3
12	110	4.762-3	4.298-3	3.317-3	2.972-3	2.677-3	2.242-3	1.898-3	1.812-3	1.738-3	1.569-3
12	111	3.220-3	2.700-3	1.799-3	1.498-3	1.242-3	8.708-4	5.831-4	5.102-4	4.476-4	3.376-4
12	112	2.303-3	1.986-3	1.481-3	1.327-3	1.199-3	1.008-3	8.311-4	7.719-4	7.121-4	5.805-4
12	113	2.091-4	1.583-4	9.753-5	8.010-5	6.596-5	4.608-5	3.084-5	2.688-5	2.342-5	1.726-5
12	114	3.716-3	3.155-3	2.642-3	2.511-3	2.403-3	2.224-3	1.988-3	1.887-3	1.775-3	1.500-3
12	115	3.955-3	3.248-3	2.689-3	2.556-3	2.451-3	2.287-3	2.099-3	2.026-3	1.949-3	1.739-3
12	116	2.058-2	2.037-2	2.011-2	2.007-2	2.008-2	2.036-2	2.153-2	2.234-2	2.337-2	2.482-2
12	117	1.937-2	1.918-2	1.893-2	1.888-2	1.889-2	1.911-2	2.008-2	2.077-2	2.166-2	2.286-2
12	118	7.177-3	7.103-3	7.002-3	6.983-3	6.982-3	7.061-3	7.433-3	7.692-3	8.022-3	8.466-3
12	119	2.430-3	2.323-3	2.194-3	2.149-3	2.102-3	1.989-3	1.756-3	1.636-3	1.496-3	1.168-3
12	120	1.732-4	1.569-4	1.301-4	1.215-4	1.142-4	1.025-4	8.987-5	8.505-5	7.992-5	6.751-5
12	121	5.375-3	5.343-3	5.312-3	5.311-3	5.320-3	5.390-3	5.660-3	5.844-3	6.078-3	6.380-3
12	122	1.852-3	1.838-3	1.813-3	1.800-3	1.783-3	1.735-3	1.625-3	1.569-3	1.505-3	1.329-3
12	123	4.161-3	4.173-3	4.164-3	4.159-3	4.156-3	4.157-3	4.205-3	4.253-3	4.321-3	4.335-3
12	124	2.581-4	2.579-4	2.575-4	2.573-4	2.571-4	2.568-4	2.580-4	2.598-4	2.626-4	2.602-4
12	125	1.880-4	1.875-4	1.853-4	1.838-4	1.818-4	1.754-4	1.600-4	1.518-4	1.421-4	1.180-4
13	14	1.098-2	1.088-2	1.067-2	1.058-2	1.060-2	1.206-2	1.627-2	1.727-2	1.754-2	1.608-2
13	15	2.473-2	2.472-2	2.461-2	2.457-2	2.477-2	2.843-2	3.766-2	3.943-2	3.957-2	3.569-2
13	16	1.832-5	2.239-5	2.527-5	2.471-5	2.312-5	1.763-5	9.631-6	7.306-6	5.445-6	2.919-6
13	17	7.625-5	7.724-5	7.113-5	6.575-5	5.880-5	4.213-5	2.207-5	1.661-5	1.233-5	6.606-6
13	18	4.680-4	3.798-4	2.973-4	2.666-4	2.332-4	1.618-4	8.258-5	6.178-5	4.563-5	2.429-5
13	19	3.259-4	2.998-4	2.446-4	2.169-4	1.861-4	1.239-4	6.107-5	4.544-5	3.350-5	1.793-5
13	20	8.729-4	8.565-4	7.433-4	6.680-4	5.789-4	3.897-4	1.931-4	1.437-4	1.057-4	5.618-5
13	21	1.028-4	1.464-4	1.712-4	1.668-4	1.551-4	1.166-4	6.275-5	4.742-5	3.525-5	1.885-5
13	22	6.342-4	7.688-4	7.965-4	7.530-4	6.812-4	4.882-4	2.527-4	1.898-4	1.408-4	7.597-5
13	23	7.079-4	7.733-4	7.221-4	6.556-4	5.711-4	3.867-4	1.948-4	1.469-4	1.105-4	6.316-5
13	24	3.415-4	3.237-4	2.656-4	2.364-4	2.041-4	1.375-4	6.846-5	5.102-5	3.763-5	2.010-5
13	25	1.883-3	1.711-3	1.357-3	1.199-3	1.030-3	6.928-4	3.472-4	2.602-4	1.936-4	1.069-4
13	26	1.901-3	1.592-3	1.237-3	1.102-3	9.568-4	6.526-4	3.298-4	2.479-4	1.854-4	1.045-4
13	27	5.137-4	4.639-4	3.539-4	3.098-4	2.642-4	1.756-4	8.705-5	6.492-5	4.796-5	2.573-5
13	28	5.937-4	5.529-4	4.553-4	4.081-4	3.546-4	2.413-4	1.214-4	9.087-5	6.742-5	3.663-5
13	29	1.879-3	1.849-3	1.547-3	1.371-3	1.173-3	7.751-4	3.794-4	2.818-4	2.074-4	1.105-4
13	30	4.192-3	3.597-3	2.787-3	2.467-3	2.122-3	1.424-3	7.099-4	5.316-4	3.954-4	2.181-4
13	31	4.009-3	3.472-3	2.750-3	2.451-3	2.120-3	1.435-3	7.242-4	5.464-4	4.113-4	2.370-4
13	32	5.441-4	5.082-4	4.485-4	4.142-4	3.693-4	2.603-4	1.331-4	9.960-5	7.356-5	3.916-5
13	33	2.981-3	2.588-3	2.097-3	1.852-3	1.579-3	1.038-3	5.125-4	3.855-4	2.897-4	1.661-4
13	34	1.829-3	1.686-3	1.537-3	1.432-3	1.284-3	9.122-4	4.691-4	3.516-4	2.602-4	1.395-4
13	35	4.778-3	4.715-3	4.390-3	4.068-3	3.624-3	2.545-3	1.312-3	9.919-4	7.446-4	4.188-4
13	36	8.402-4	8.664-4	7.856-4	7.229-4	6.410-4	4.471-4	2.266-4	1.692-4	1.248-4	6.641-5
13	37	2.202-4	2.453-4	2.273-4	2.100-4	1.868-4	1.308-4	6.650-5	4.967-5	3.663-5	1.944-5
13	38	2.803-3	2.719-3	2.409-3	2.200-3	1.936-3	1.332-3	6.693-4	4.997-4	3.691-4	1.979-4
13	39	1.626-3	1.822-3	1.523-3	1.330-3	1.123-3	7.273-4	3.537-4	2.642-4	1.970-4	1.112-4
13	40	4.804-3	5.118-3	4.269-3	3.759-3	3.200-3	2.105-3	1.036-3	7.764-4	5.799-4	3.271-4
13	41	1.845-3	1.740-3	1.443-3	1.294-3	1.123-3	7.594-4	3.771-4	2.808-4	2.070-4	1.107-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
13	42	1.175-2	1.016-2	7.875-3	6.994-3	6.043-3	4.092-3	2.069-3	1.560-3	1.171-3	6.614-4
13	43	2.368-3	2.147-3	1.709-3	1.505-3	1.282-3	8.438-4	4.130-4	3.072-4	2.266-4	1.213-4
13	44	1.625-3	1.387-3	1.037-3	8.886-4	7.375-4	4.647-4	2.204-4	1.632-4	1.202-4	6.494-5
13	45	4.447-3	3.882-3	3.037-3	2.637-3	2.213-3	1.417-3	6.844-4	5.113-4	3.814-4	2.144-4
13	46	2.902-3	2.545-3	1.982-3	1.730-3	1.463-3	9.524-4	4.699-4	3.554-4	2.702-4	1.635-4
13	47	7.637-3	6.517-3	4.967-3	4.308-3	3.623-3	2.345-3	1.165-3	8.883-4	6.832-4	4.252-4
13	48	5.647-4	4.973-4	3.912-4	3.387-4	2.832-4	1.802-4	8.617-5	6.395-5	4.719-5	2.548-5
13	49	3.629-4	3.653-4	3.117-4	2.739-4	2.312-4	1.484-4	7.083-5	5.234-5	3.839-5	2.040-5
13	50	1.139-3	1.111-3	9.483-4	8.478-4	7.304-4	4.856-4	2.371-4	1.755-4	1.286-4	6.749-5
13	51	3.072-3	3.985-3	4.051-3	3.765-3	3.343-3	2.318-3	1.176-3	8.831-4	6.580-4	3.622-4
13	52	2.797-3	3.055-3	2.949-3	2.733-3	2.422-3	1.672-3	8.378-4	6.245-4	4.605-4	2.454-4
13	53	1.169-3	1.407-3	1.339-3	1.228-3	1.079-3	7.375-4	3.690-4	2.755-4	2.037-4	1.094-4
13	54	3.353-4	3.944-4	3.785-4	3.483-4	3.069-4	2.106-4	1.056-4	7.883-5	5.827-5	3.127-5
13	55	1.339-3	1.185-3	8.963-4	7.664-4	6.344-4	3.989-4	1.914-4	1.430-4	1.065-4	5.895-5
13	56	8.999-3	7.218-3	5.329-3	4.610-3	3.869-3	2.492-3	1.226-3	9.290-4	7.091-4	4.319-4
13	57	4.461-4	4.316-4	3.345-4	2.841-4	2.331-4	1.450-4	7.086-5	5.418-5	4.188-5	2.620-5
13	58	8.130-3	7.622-3	6.168-3	5.432-3	4.630-3	3.073-3	1.594-3	1.240-3	9.735-4	6.245-4
13	59	3.712-3	2.985-3	2.253-3	1.971-3	1.673-3	1.096-3	5.364-4	4.004-4	2.974-4	1.637-4
13	60	7.083-3	6.545-3	5.224-3	4.521-3	3.778-3	2.423-3	1.221-3	9.415-4	7.319-4	4.569-4
13	61	8.961-3	6.761-3	5.083-3	4.472-3	3.815-3	2.512-3	1.229-3	9.157-4	6.779-4	3.694-4
13	62	5.185-3	4.676-3	3.685-3	3.181-3	2.659-3	1.732-3	9.505-4	7.869-4	6.791-4	5.682-4
13	63	4.833-4	4.459-4	3.738-4	3.333-4	2.864-4	1.901-4	9.401-5	7.041-5	5.244-5	2.897-5
13	64	9.425-4	8.965-4	7.151-4	6.179-4	5.155-4	3.281-4	1.599-4	1.202-4	9.009-5	5.045-5
13	65	5.955-3	5.593-3	4.276-3	3.627-3	2.986-3	1.908-3	1.012-3	8.032-4	6.415-4	4.131-4
13	66	1.631-3	1.595-3	1.212-3	1.013-3	8.187-4	5.005-4	2.477-4	1.921-4	1.512-4	9.802-5
13	67	3.445-3	3.069-3	2.268-3	1.900-3	1.544-3	9.576-4	4.808-4	3.722-4	2.894-4	1.766-4
13	68	2.401-2	2.154-2	1.590-2	1.344-2	1.109-2	7.275-3	4.235-3	3.570-3	3.090-3	2.460-3
13	69	1.772-2	1.468-2	1.144-2	1.004-2	8.515-3	5.559-3	2.760-3	2.089-3	1.582-3	9.193-4
13	70	2.097-2	1.979-2	1.489-2	1.254-2	1.028-2	6.592-3	3.712-3	3.112-3	2.701-3	2.223-3
13	71	2.948-3	3.193-3	2.961-3	2.669-3	2.301-3	1.523-3	7.517-4	5.638-4	4.209-4	2.336-4
13	72	8.179-3	7.468-3	6.144-3	5.391-3	4.553-3	2.940-3	1.445-3	1.092-3	8.260-4	4.799-4
13	73	2.106-3	1.768-3	1.284-3	1.074-3	8.692-4	5.293-4	2.534-4	1.917-4	1.458-4	8.616-5
13	74	1.926-3	1.890-3	1.565-3	1.367-3	1.156-3	7.764-4	4.457-4	3.699-4	3.134-4	2.363-4
13	75	1.804-3	1.922-3	1.680-3	1.483-3	1.262-3	8.491-4	4.810-4	3.964-4	3.337-4	2.495-4
13	76	9.969-3	1.071-2	9.237-3	8.130-3	6.910-3	4.637-3	2.618-3	2.156-3	1.812-3	1.350-3
13	77	6.633-3	5.916-3	4.419-3	3.770-3	3.140-3	2.077-3	1.173-3	9.549-4	7.814-4	5.236-4
13	78	7.426-3	6.277-3	4.595-3	3.912-3	3.254-3	2.143-3	1.197-3	9.702-4	7.911-4	5.285-4
13	79	6.263-3	5.033-3	3.513-3	2.915-3	2.360-3	1.483-3	8.136-4	6.748-4	5.784-4	4.611-4
13	80	2.280-2	2.008-2	1.474-2	1.263-2	1.071-2	7.683-3	5.249-3	4.665-3	4.194-3	3.408-3
13	81	6.857-3	6.248-3	4.596-3	3.963-3	3.405-3	2.566-3	1.926-3	1.778-3	1.662-3	1.449-3
13	82	2.020-3	1.715-3	1.228-3	1.060-3	9.139-4	6.926-4	5.088-4	4.589-4	4.143-4	3.300-4
13	83	6.047-3	5.280-3	3.874-3	3.368-3	2.926-3	2.263-3	1.756-3	1.640-3	1.549-3	1.378-3
13	84	9.520-3	8.005-3	5.564-3	4.714-3	3.978-3	2.876-3	1.995-3	1.768-3	1.572-3	1.222-3
13	85	1.742-2	1.527-2	1.116-2	9.698-3	8.427-3	6.503-3	4.898-3	4.458-3	4.061-3	3.295-3
13	86	8.580-3	7.325-3	5.192-3	4.465-3	3.841-3	2.913-3	2.153-3	1.947-3	1.761-3	1.408-3
13	87	4.840-2	4.715-2	4.114-2	3.868-2	3.651-2	3.333-2	3.120-2	3.084-2	3.060-2	2.930-2
13	88	5.154-3	4.438-3	3.475-3	3.160-3	2.888-3	2.487-3	2.223-3	2.190-3	2.187-3	2.165-3
13	89	2.012-2	1.929-2	1.461-2	1.237-2	1.025-2	6.849-3	4.295-3	3.806-3	3.509-3	3.215-3
13	90	1.247-2	1.121-2	8.854-3	7.998-3	7.224-3	5.968-3	4.777-3	4.408-3	4.056-3	3.328-3
13	91	1.016-3	9.281-4	7.292-4	6.517-4	5.806-4	4.654-4	3.612-4	3.313-4	3.041-4	2.504-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
13	92	9.199-3	8.164-3	6.570-3	6.042-3	5.584-3	4.890-3	4.341-3	4.217-3	4.126-3	3.891-3
13	93	2.192-3	1.908-3	1.480-3	1.347-3	1.238-3	1.083-3	9.764-4	9.570-4	9.456-4	9.083-4
13	94	1.240-2	1.195-2	8.667-3	7.212-3	5.861-3	3.735-3	2.086-3	1.724-3	1.457-3	1.097-3
13	95	2.062-2	1.740-2	1.297-2	1.157-2	1.037-2	8.504-3	6.803-3	6.283-3	5.788-3	4.761-3
13	96	9.006-3	8.330-3	6.874-3	6.357-3	5.906-3	5.243-3	4.815-3	4.771-3	4.780-3	4.737-3
13	97	4.402-3	3.887-3	2.964-3	2.635-3	2.343-3	1.879-3	1.450-3	1.318-3	1.192-3	9.384-4
13	98	1.518-2	1.315-2	1.062-2	9.844-3	9.174-3	8.072-3	6.803-3	6.309-3	5.787-3	4.624-3
13	99	2.384-2	2.249-2	2.088-2	2.038-2	1.996-2	1.942-2	1.947-2	1.978-2	2.025-2	2.072-2
13	100	9.548-3	9.011-3	8.323-3	8.092-3	7.887-3	7.578-3	7.398-3	7.409-3	7.461-3	7.390-3
13	101	1.990-3	1.756-3	1.498-3	1.410-3	1.330-3	1.184-3	9.915-4	9.105-4	8.229-4	6.303-4
13	102	7.272-2	7.214-2	7.144-2	7.118-2	7.103-2	7.144-2	7.481-2	7.739-2	8.075-2	8.561-2
13	103	1.725-2	1.708-2	1.675-2	1.660-2	1.646-2	1.633-2	1.662-2	1.695-2	1.740-2	1.788-2
13	104	1.213-3	1.184-3	1.115-3	1.084-3	1.052-3	9.954-4	9.297-4	9.074-4	8.855-4	8.187-4
13	105	5.321-3	5.198-3	5.011-3	4.935-3	4.862-3	4.738-3	4.643-3	4.637-3	4.647-3	4.544-3
13	106	6.355-3	5.889-3	4.421-3	3.797-3	3.230-3	2.348-3	1.614-3	1.418-3	1.245-3	9.330-4
13	107	5.408-4	4.933-4	4.081-4	3.701-4	3.339-4	2.746-4	2.260-4	2.148-4	2.063-4	1.885-4
13	108	6.433-2	6.187-2	5.360-2	5.043-2	4.768-2	4.377-2	4.139-2	4.109-2	4.096-2	3.953-2
13	109	8.092-3	7.492-3	5.643-3	4.935-3	4.317-3	3.390-3	2.646-3	2.453-3	2.286-3	1.952-3
13	110	1.560-2	1.187-2	7.906-3	6.730-3	5.757-3	4.363-3	3.285-3	3.010-3	2.772-3	2.317-3
13	111	2.201-3	1.874-3	1.349-3	1.174-3	1.025-3	8.031-4	6.186-4	5.669-4	5.196-4	4.254-4
13	112	2.726-3	2.417-3	1.939-3	1.793-3	1.672-3	1.494-3	1.338-3	1.291-3	1.246-3	1.129-3
13	113	2.341-4	1.794-4	1.160-4	9.674-5	8.080-5	5.825-5	4.248-5	3.928-5	3.702-5	3.331-5
13	114	8.117-3	7.092-3	6.192-3	5.969-3	5.787-3	5.500-3	5.170-3	5.047-3	4.921-3	4.530-3
13	115	1.028-2	7.932-3	6.114-3	5.696-3	5.366-3	4.857-3	4.248-3	3.996-3	3.722-3	3.073-3
13	116	8.006-3	7.713-3	7.429-3	7.361-3	7.315-3	7.295-3	7.465-3	7.617-3	7.819-3	8.011-3
13	117	2.612-2	2.564-2	2.516-2	2.507-2	2.506-2	2.532-2	2.661-2	2.752-2	2.868-2	3.026-2
13	118	1.049-3	9.749-4	8.872-4	8.598-4	8.339-4	7.802-4	6.847-4	6.378-4	5.842-4	4.591-4
13	119	7.006-2	6.957-2	6.906-2	6.905-2	6.924-2	7.042-2	7.481-2	7.777-2	8.153-2	8.693-2
13	120	3.511-4	3.209-4	2.271-4	1.942-4	1.665-4	1.265-4	9.596-5	8.842-5	8.206-5	6.987-5
13	121	7.340-4	7.033-4	6.691-4	6.573-4	6.451-4	6.152-4	5.543-4	5.235-4	4.883-4	4.026-4
13	122	2.411-3	2.397-3	2.375-3	2.365-3	2.355-3	2.333-3	2.302-3	2.294-3	2.290-3	2.211-3
13	123	4.438-3	4.438-3	4.413-3	4.400-3	4.384-3	4.346-3	4.290-3	4.277-3	4.271-3	4.128-3
13	124	2.141-4	2.108-4	2.084-4	2.078-4	2.072-4	2.060-4	2.053-4	2.058-4	2.069-4	2.027-4
13	125	1.156-3	1.159-3	1.166-3	1.170-3	1.176-3	1.198-3	1.262-3	1.305-3	1.358-3	1.427-3
14	15	8.956-3	8.938-3	8.866-3	8.830-3	8.902-3	1.071-2	1.593-2	1.711-2	1.734-2	1.519-2
14	16	2.522-5	2.464-5	2.352-5	2.227-5	2.040-5	1.524-5	8.281-6	6.283-6	4.687-6	2.522-6
14	17	1.168-4	1.170-4	1.045-4	9.714-5	8.773-5	6.421-5	3.454-5	2.626-5	1.971-5	1.088-5
14	18	2.900-4	1.898-4	1.268-4	1.112-4	9.636-5	6.684-5	3.440-5	2.579-5	1.907-5	1.014-5
14	19	3.449-4	3.253-4	2.696-4	2.407-4	2.080-4	1.403-4	7.039-5	5.278-5	3.926-5	2.149-5
14	20	5.283-4	5.218-4	4.490-4	4.017-4	3.468-4	2.323-4	1.152-4	8.589-5	6.344-5	3.403-5
14	21	5.736-5	7.976-5	9.242-5	9.017-5	8.388-5	6.295-5	3.385-5	2.561-5	1.906-5	1.027-5
14	22	7.326-5	8.337-5	8.444-5	8.022-5	7.331-5	5.395-5	2.867-5	2.162-5	1.604-5	8.569-6
14	23	6.050-4	7.126-4	7.360-4	6.883-4	6.153-4	4.361-4	2.338-4	1.818-4	1.418-4	8.899-5
14	24	5.408-4	5.254-4	4.269-4	3.783-4	3.250-4	2.177-4	1.095-4	8.258-5	6.205-5	3.526-5
14	25	1.727-3	1.356-3	9.775-4	8.453-4	7.127-4	4.654-4	2.305-4	1.737-4	1.308-4	7.548-5
14	26	1.100-3	9.051-4	7.363-4	6.678-4	5.876-4	4.082-4	2.095-4	1.581-4	1.184-4	6.605-5
14	27	5.422-4	5.066-4	4.012-4	3.536-4	3.030-4	2.030-4	1.032-4	7.844-5	5.966-5	3.524-5
14	28	4.700-4	4.885-4	4.454-4	4.105-4	3.650-4	2.570-4	1.328-4	1.003-4	7.511-5	4.185-5
14	29	4.497-4	4.366-4	3.679-4	3.263-4	2.790-4	1.839-4	8.991-5	6.683-5	4.925-5	2.632-5
14	30	1.346-3	1.097-3	8.106-4	7.072-4	6.017-4	3.989-4	1.983-4	1.485-4	1.102-4	5.987-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
14	31	1.399-3	1.301-3	1.070-3	9.561-4	8.278-4	5.602-4	2.823-4	2.125-4	1.592-4	8.983-5
14	32	9.603-4	9.542-4	8.559-4	7.899-4	7.031-4	4.954-4	2.579-4	1.957-4	1.474-4	8.287-5
14	33	8.770-4	8.447-4	6.842-4	6.000-4	5.088-4	3.324-4	1.633-4	1.226-4	9.182-5	5.219-5
14	34	2.025-3	1.751-3	1.389-3	1.240-3	1.075-3	7.327-4	3.719-4	2.799-4	2.087-4	1.142-4
14	35	2.792-3	2.172-3	1.646-3	1.449-3	1.239-3	8.256-4	4.199-4	3.207-4	2.454-4	1.471-4
14	36	1.087-3	1.099-3	9.835-4	8.976-4	7.893-4	5.444-4	2.772-4	2.085-4	1.554-4	8.494-5
14	37	4.961-4	5.321-4	4.896-4	4.520-4	4.021-4	2.828-4	1.464-4	1.106-4	8.282-5	4.571-5
14	38	1.649-3	1.412-3	1.155-3	1.041-3	9.083-4	6.229-4	3.189-4	2.412-4	1.810-4	1.006-4
14	39	3.685-4	3.786-4	3.176-4	2.804-4	2.387-4	1.563-4	7.613-5	5.665-5	4.191-5	2.292-5
14	40	7.289-4	6.530-4	5.045-4	4.381-4	3.689-4	2.385-4	1.155-4	8.580-5	6.328-5	3.407-5
14	41	3.480-3	3.301-3	2.643-3	2.341-3	2.013-3	1.356-3	7.013-4	5.413-4	4.210-4	2.660-4
14	42	4.591-3	4.143-3	3.281-3	2.922-3	2.531-3	1.735-3	9.248-4	7.259-4	5.765-4	3.834-4
14	43	4.679-4	4.357-4	3.488-4	3.034-4	2.549-4	1.635-4	7.871-5	5.846-5	4.314-5	2.319-5
14	44	1.055-3	8.623-4	6.519-4	5.682-4	4.808-4	3.135-4	1.524-4	1.133-4	8.360-5	4.511-5
14	45	2.145-3	1.803-3	1.391-3	1.218-3	1.034-3	6.779-4	3.345-4	2.514-4	1.886-4	1.075-4
14	46	8.228-4	7.589-4	6.221-4	5.499-4	4.691-4	3.081-4	1.509-4	1.128-4	8.407-5	4.721-5
14	47	8.580-4	7.738-4	6.112-4	5.300-4	4.443-4	2.847-4	1.381-4	1.033-4	7.705-5	4.290-5
14	48	8.106-4	7.445-4	6.070-4	5.336-4	4.531-4	2.962-4	1.461-4	1.100-4	8.269-5	4.751-5
14	49	8.369-4	8.776-4	7.724-4	6.874-4	5.891-4	3.939-4	2.092-4	1.665-4	1.359-4	9.921-5
14	50	1.880-4	1.832-4	1.554-4	1.386-4	1.191-4	7.881-5	3.841-5	2.844-5	2.084-5	1.096-5
14	51	6.189-4	6.509-4	5.632-4	5.032-4	4.333-4	2.887-4	1.432-4	1.073-4	8.002-5	4.451-5
14	52	4.821-4	4.607-4	3.785-4	3.342-4	2.849-4	1.869-4	9.098-5	6.750-5	4.963-5	2.638-5
14	53	5.257-4	5.629-4	4.993-4	4.507-4	3.914-4	2.638-4	1.314-4	9.823-5	7.286-5	3.965-5
14	54	2.979-4	3.257-4	2.997-4	2.739-4	2.404-4	1.646-4	8.302-5	6.231-5	4.637-5	2.533-5
14	55	2.136-3	1.815-3	1.341-3	1.169-3	9.957-4	6.645-4	3.413-4	2.634-4	2.056-4	1.337-4
14	56	3.910-3	3.084-3	2.099-3	1.784-3	1.487-3	9.597-4	4.733-4	3.566-4	2.685-4	1.546-4
14	57	6.149-4	5.390-4	4.026-4	3.450-4	2.888-4	1.930-4	1.109-4	9.155-5	7.655-5	5.495-5
14	58	1.205-3	1.019-3	8.042-4	7.100-4	6.066-4	4.003-4	1.973-4	1.477-4	1.102-4	6.164-5
14	59	1.026-3	9.617-4	8.589-4	7.813-4	6.815-4	4.605-4	2.310-4	1.742-4	1.309-4	7.457-5
14	60	1.501-3	1.347-3	1.069-3	9.355-4	7.922-4	5.181-4	2.578-4	1.945-4	1.462-4	8.212-5
14	61	5.742-4	4.748-4	3.816-4	3.383-4	2.896-4	1.913-4	9.386-5	6.989-5	5.160-5	2.771-5
14	62	3.659-3	3.001-3	2.230-3	1.924-3	1.614-3	1.049-3	5.338-4	4.129-4	3.232-4	2.089-4
14	63	2.680-3	2.294-3	1.856-3	1.645-3	1.412-3	9.551-4	5.192-4	4.151-4	3.367-4	2.326-4
14	64	1.998-3	1.792-3	1.449-3	1.268-3	1.074-3	7.101-4	3.841-4	3.104-4	2.574-4	1.918-4
14	65	3.083-3	2.902-3	2.172-3	1.838-3	1.518-3	9.917-4	5.570-4	4.539-4	3.724-4	2.518-4
14	66	9.563-4	9.564-4	7.578-4	6.496-4	5.415-4	3.575-4	2.012-4	1.635-4	1.335-4	8.894-5
14	67	4.797-3	3.836-3	2.764-3	2.327-3	1.907-3	1.217-3	6.766-4	5.669-4	4.952-4	4.207-4
14	68	4.224-3	4.079-3	3.138-3	2.669-3	2.211-3	1.449-3	8.165-4	6.658-4	5.463-4	3.681-4
14	69	4.234-3	3.613-3	2.706-3	2.377-3	2.037-3	1.368-3	6.962-4	5.290-4	4.013-4	2.333-4
14	70	6.387-3	6.785-3	5.559-3	4.753-3	3.930-3	2.537-3	1.443-3	1.228-3	1.094-3	9.691-4
14	71	3.049-3	2.634-3	2.006-3	1.752-3	1.487-3	9.785-4	4.869-4	3.671-4	2.760-4	1.571-4
14	72	3.097-3	2.513-3	1.782-3	1.524-3	1.271-3	8.145-4	3.966-4	2.967-4	2.208-4	1.214-4
14	73	1.486-3	1.213-3	8.765-4	7.508-4	6.349-4	4.504-4	3.062-4	2.756-4	2.544-4	2.249-4
14	74	4.251-3	2.964-3	2.035-3	1.759-3	1.492-3	1.006-3	5.475-4	4.333-4	3.439-4	2.177-4
14	75	3.020-3	2.310-3	1.821-3	1.625-3	1.408-3	9.705-4	5.319-4	4.213-4	3.345-4	2.126-4
14	76	1.491-3	1.223-3	9.786-4	8.683-4	7.443-4	4.926-4	2.423-4	1.809-4	1.343-4	7.356-5
14	77	3.417-3	3.384-3	2.773-3	2.413-3	2.035-3	1.354-3	7.482-4	6.027-4	4.893-4	3.273-4
14	78	4.161-3	3.879-3	3.134-3	2.738-3	2.321-3	1.561-3	8.813-4	7.211-4	5.994-4	4.310-4
14	79	2.006-3	1.796-3	1.336-3	1.129-3	9.323-4	6.139-4	3.521-4	2.885-4	2.370-4	1.583-4
14	80	3.927-3	3.876-3	3.104-3	2.719-3	2.342-3	1.705-3	1.162-3	1.032-3	9.286-4	7.628-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
14	81	2.571-3	2.367-3	1.807-3	1.596-3	1.409-3	1.118-3	8.546-4	7.747-4	6.986-4	5.462-4
14	82	2.684-3	2.405-3	1.798-3	1.561-3	1.349-3	1.023-3	7.620-4	6.964-4	6.406-4	5.359-4
14	83	3.662-3	3.067-3	2.128-3	1.787-3	1.485-3	1.022-3	6.507-4	5.573-4	4.787-4	3.473-4
14	84	3.971-3	3.450-3	2.473-3	2.123-3	1.814-3	1.343-3	9.607-4	8.626-4	7.786-4	6.265-4
14	85	3.501-3	3.028-3	2.248-3	1.978-3	1.742-3	1.378-3	1.046-3	9.435-4	8.448-4	6.473-4
14	86	3.138-3	2.750-3	1.937-3	1.654-3	1.413-3	1.060-3	8.035-4	7.483-4	7.074-4	6.352-4
14	87	3.343-3	2.902-3	2.124-3	1.852-3	1.615-3	1.261-3	1.003-3	9.523-4	9.181-4	8.560-4
14	88	2.729-3	2.576-3	2.278-3	2.167-3	2.065-3	1.900-3	1.764-3	1.739-3	1.725-3	1.669-3
14	89	1.287-3	1.109-3	7.647-4	6.290-4	5.049-4	3.106-4	1.592-4	1.251-4	9.927-5	6.370-5
14	90	2.321-3	2.094-3	1.644-3	1.479-3	1.329-3	1.077-3	8.257-4	7.456-4	6.689-4	5.172-4
14	91	1.985-3	1.883-3	1.680-3	1.605-3	1.536-3	1.420-3	1.306-3	1.272-3	1.242-3	1.155-3
14	92	2.750-3	2.383-3	1.941-3	1.804-3	1.682-3	1.475-3	1.224-3	1.123-3	1.015-3	7.798-4
14	93	1.433-2	1.367-2	1.268-2	1.239-2	1.216-2	1.189-2	1.185-2	1.192-2	1.201-2	1.176-2
14	94	2.141-3	1.859-3	1.292-3	1.068-3	8.628-4	5.413-4	2.896-4	2.324-4	1.885-4	1.265-4
14	95	2.658-3	2.469-3	2.057-3	1.896-3	1.743-3	1.477-3	1.198-3	1.106-3	1.016-3	8.278-4
14	96	2.273-3	2.003-3	1.590-3	1.452-3	1.328-3	1.123-3	9.011-4	8.206-4	7.381-4	5.649-4
14	97	3.422-3	3.214-3	2.878-3	2.761-3	2.656-3	2.490-3	2.357-3	2.331-3	2.318-3	2.242-3
14	98	2.798-3	2.627-3	2.263-3	2.132-3	2.012-3	1.797-3	1.514-3	1.394-3	1.264-3	9.756-4
14	99	3.028-3	2.554-3	2.032-3	1.871-3	1.727-3	1.485-3	1.216-3	1.117-3	1.015-3	7.937-4
14	100	2.992-3	2.683-3	2.374-3	2.277-3	2.189-3	2.043-3	1.909-3	1.875-3	1.850-3	1.760-3
14	101	1.596-3	1.431-3	1.259-3	1.197-3	1.136-3	1.024-3	8.925-4	8.447-4	7.964-4	6.845-4
14	102	1.814-3	1.689-3	1.481-3	1.393-3	1.308-3	1.166-3	1.050-3	1.028-3	1.013-3	9.688-4
14	103	1.263-3	1.261-3	1.184-3	1.139-3	1.093-3	1.010-3	9.372-4	9.212-4	9.098-4	8.675-4
14	104	1.488-2	1.434-2	1.372-2	1.352-2	1.335-2	1.327-2	1.392-2	1.448-2	1.522-2	1.640-2
14	105	2.545-2	2.541-2	2.538-2	2.536-2	2.538-2	2.569-2	2.714-2	2.820-2	2.955-2	3.158-2
14	106	8.325-4	7.906-4	5.640-4	4.645-4	3.738-4	2.344-4	1.277-4	1.035-4	8.480-5	5.771-5
14	107	8.228-3	7.428-3	5.931-3	5.344-3	4.815-3	4.014-3	3.453-3	3.358-3	3.306-3	3.169-3
14	108	1.020-3	9.102-4	6.169-4	5.025-4	4.008-4	2.472-4	1.314-4	1.056-4	8.582-5	5.799-5
14	109	5.718-4	4.908-4	3.192-4	2.560-4	2.007-4	1.186-4	5.895-5	4.649-5	3.753-5	2.613-5
14	110	4.649-4	4.048-4	2.718-4	2.226-4	1.796-4	1.155-4	6.655-5	5.506-5	4.581-5	3.154-5
14	111	2.441-3	2.346-3	2.123-3	2.044-3	1.977-3	1.885-3	1.843-3	1.845-3	1.851-3	1.803-3
14	112	6.039-4	4.892-4	3.140-4	2.601-4	2.157-4	1.530-4	1.063-4	9.499-5	8.561-5	6.917-5
14	113	1.674-2	1.551-2	1.330-2	1.248-2	1.177-2	1.074-2	1.007-2	9.958-3	9.883-3	9.453-3
14	114	3.366-4	2.622-4	1.551-4	1.228-4	9.644-5	6.004-5	3.504-5	2.989-5	2.617-5	2.101-5
14	115	7.943-4	5.845-4	3.456-4	2.788-4	2.252-4	1.509-4	9.544-5	8.157-5	6.974-5	4.967-5
14	116	1.371-3	1.306-3	1.190-3	1.151-3	1.119-3	1.083-3	1.097-3	1.125-3	1.164-3	1.215-3
14	117	9.305-4	7.530-4	4.987-4	4.206-4	3.560-4	2.626-4	1.869-4	1.657-4	1.464-4	1.100-4
14	118	1.235-3	1.206-3	1.160-3	1.146-3	1.138-3	1.141-3	1.200-3	1.244-3	1.301-3	1.381-3
14	119	6.481-4	5.738-4	3.786-4	3.074-4	2.463-4	1.572-4	9.064-5	7.508-5	6.259-5	4.340-5
14	120	4.541-3	4.207-3	3.376-3	3.086-3	2.836-3	2.458-3	2.113-3	2.004-3	1.898-3	1.649-3
14	121	4.347-4	4.079-4	3.511-4	3.319-4	3.162-4	2.956-4	2.880-4	2.905-4	2.953-4	2.979-4
14	122	2.338-3	2.296-3	2.240-3	2.229-3	2.226-3	2.249-3	2.368-3	2.452-3	2.560-3	2.708-3
14	123	5.876-4	4.353-4	2.993-4	2.656-4	2.392-4	2.014-4	1.661-4	1.541-4	1.420-4	1.154-4
14	124	2.472-2	2.475-2	2.489-2	2.500-2	2.514-2	2.564-2	2.712-2	2.810-2	2.933-2	3.098-2
14	125	4.051-3	4.041-3	3.998-3	3.969-3	3.928-3	3.800-3	3.490-3	3.325-3	3.133-3	2.641-3
15	16	2.741-5	2.919-5	2.833-5	2.681-5	2.453-5	1.829-5	9.928-6	7.533-6	5.620-6	3.028-6
15	17	3.049-5	2.771-5	2.543-5	2.419-5	2.232-5	1.686-5	9.217-6	7.000-6	5.224-6	2.808-6
15	18	1.958-4	2.122-4	2.266-4	2.206-4	2.059-4	1.564-4	8.556-5	6.509-5	4.874-5	2.657-5
15	19	2.745-5	2.955-5	2.929-5	2.737-5	2.448-5	1.722-5	8.767-6	6.546-6	4.824-6	2.553-6
15	20	2.596-4	2.665-4	2.469-4	2.248-4	1.966-4	1.340-4	6.708-5	5.005-5	3.695-5	1.981-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
15	21	6.008-5	8.318-5	9.910-5	9.727-5	9.102-5	6.921-5	3.772-5	2.861-5	2.133-5	1.147-5
15	22	1.979-4	2.579-4	2.920-4	2.832-4	2.624-4	1.968-4	1.065-4	8.072-5	6.025-5	3.264-5
15	23	6.566-5	7.906-5	7.664-5	7.039-5	6.212-5	4.308-5	2.184-5	1.631-5	1.203-5	6.389-6
15	24	5.883-5	6.146-5	5.495-5	4.976-5	4.342-5	2.958-5	1.476-5	1.099-5	8.097-6	4.317-6
15	25	3.790-4	3.423-4	2.746-4	2.421-4	2.073-4	1.382-4	6.843-5	5.097-5	3.760-5	2.013-5
15	26	2.151-4	1.833-4	1.443-4	1.287-4	1.116-4	7.624-5	3.840-5	2.867-5	2.116-5	1.130-5
15	27	2.076-4	1.927-4	1.460-4	1.271-4	1.081-4	7.179-5	3.575-5	2.677-5	1.993-5	1.105-5
15	28	1.571-4	1.427-4	1.164-4	1.047-4	9.166-5	6.362-5	3.255-5	2.439-5	1.805-5	9.646-6
15	29	1.294-3	1.202-3	9.501-4	8.288-4	7.008-4	4.568-4	2.226-4	1.654-4	1.219-4	6.521-5
15	30	4.330-4	3.676-4	2.983-4	2.697-4	2.370-4	1.649-4	8.433-5	6.320-5	4.677-5	2.501-5
15	31	4.377-4	3.685-4	2.976-4	2.689-4	2.364-4	1.650-4	8.464-5	6.347-5	4.700-5	2.519-5
15	32	2.295-4	2.328-4	2.139-4	1.976-4	1.756-4	1.233-4	6.346-5	4.782-5	3.572-5	1.979-5
15	33	1.931-3	1.969-3	1.687-3	1.503-3	1.294-3	8.691-4	4.428-4	3.375-4	2.574-4	1.529-4
15	34	3.412-4	3.131-4	2.716-4	2.492-4	2.211-4	1.553-4	7.950-5	5.953-5	4.402-5	2.352-5
15	35	4.692-4	3.994-4	3.389-4	3.102-4	2.751-4	1.936-4	9.982-5	7.504-5	5.581-5	3.042-5
15	36	4.508-4	4.456-4	4.293-4	4.040-4	3.656-4	2.641-4	1.390-4	1.053-4	7.895-5	4.392-5
15	37	9.556-5	1.098-4	1.154-4	1.105-4	1.014-4	7.464-5	3.968-5	3.003-5	2.243-5	1.227-5
15	38	3.785-4	4.122-4	4.048-4	3.794-4	3.419-4	2.455-4	1.282-4	9.654-5	7.180-5	3.880-5
15	39	8.024-4	9.498-4	8.724-4	7.893-4	6.877-4	4.680-4	2.361-4	1.774-4	1.323-4	7.283-5
15	40	1.594-3	1.807-3	1.587-3	1.415-3	1.218-3	8.164-4	4.120-4	3.122-4	2.365-4	1.387-4
15	41	6.674-4	7.051-4	6.418-4	5.910-4	5.257-4	3.711-4	1.917-4	1.442-4	1.073-4	5.838-5
15	42	4.843-4	4.796-4	4.242-4	3.911-4	3.495-4	2.493-4	1.297-4	9.752-5	7.234-5	3.885-5
15	43	1.655-3	1.603-3	1.323-3	1.183-3	1.026-3	6.978-4	3.526-4	2.645-4	1.965-4	1.065-4
15	44	1.035-3	9.350-4	7.222-4	6.268-4	5.278-4	3.416-4	1.653-4	1.226-4	9.023-5	4.818-5
15	45	3.052-3	2.588-3	1.928-3	1.663-3	1.396-3	9.003-4	4.377-4	3.267-4	2.429-4	1.346-4
15	46	1.655-3	1.574-3	1.300-3	1.168-3	1.020-3	7.038-4	3.590-4	2.699-4	2.010-4	1.102-4
15	47	3.286-3	2.718-3	2.192-3	1.972-3	1.722-3	1.183-3	6.007-4	4.520-4	3.376-4	1.878-4
15	48	1.427-3	1.095-3	8.123-4	7.145-4	6.136-4	4.156-4	2.168-4	1.681-4	1.320-4	8.692-5
15	49	8.855-4	8.400-4	7.468-4	6.834-4	6.040-4	4.230-4	2.241-4	1.740-4	1.364-4	8.884-5
15	50	1.261-3	1.604-3	1.525-3	1.408-3	1.251-3	8.793-4	4.548-4	3.435-4	2.569-4	1.409-4
15	51	1.090-3	1.469-3	1.525-3	1.445-3	1.313-3	9.502-4	4.999-4	3.786-4	2.838-4	1.570-4
15	52	1.660-3	2.038-3	1.978-3	1.844-3	1.654-3	1.178-3	6.125-4	4.621-4	3.447-4	1.880-4
15	53	1.142-3	1.350-3	1.280-3	1.191-3	1.069-3	7.634-4	3.982-4	3.008-4	2.249-4	1.237-4
15	54	3.498-4	4.316-4	4.377-4	4.139-4	3.755-4	2.710-4	1.419-4	1.071-4	7.991-5	4.354-5
15	55	1.948-3	1.597-3	1.153-3	9.919-4	8.313-4	5.370-4	2.637-4	1.986-4	1.496-4	8.700-5
15	56	3.287-3	2.651-3	1.919-3	1.661-3	1.401-3	9.132-4	4.475-4	3.343-4	2.484-4	1.365-4
15	57	1.167-4	1.012-4	7.627-5	6.582-5	5.519-5	3.555-5	1.722-5	1.280-5	9.464-6	5.129-6
15	58	4.994-3	4.031-3	3.162-3	2.850-3	2.501-3	1.738-3	8.979-4	6.811-4	5.141-4	2.943-4
15	59	5.039-3	4.747-3	4.200-3	3.885-3	3.476-3	2.483-3	1.335-3	1.035-3	8.040-4	4.963-4
15	60	3.825-3	3.750-3	3.346-3	3.044-3	2.660-3	1.807-3	9.051-4	6.789-4	5.063-4	2.813-4
15	61	5.162-3	4.695-3	4.240-3	3.959-3	3.566-3	2.566-3	1.383-3	1.074-3	8.371-4	5.257-4
15	62	7.099-3	5.776-3	4.668-3	4.195-3	3.649-3	2.484-3	1.270-3	9.672-4	7.383-4	4.431-4
15	63	2.167-3	1.867-3	1.495-3	1.352-3	1.187-3	8.251-4	4.300-4	3.293-4	2.522-4	1.511-4
15	64	2.031-3	2.179-3	2.047-3	1.882-3	1.658-3	1.136-3	5.732-4	4.314-4	3.228-4	1.805-4
15	65	2.714-3	2.290-3	1.723-3	1.484-3	1.239-3	7.936-4	3.905-4	2.950-4	2.227-4	1.278-4
15	66	3.901-4	3.371-4	2.705-4	2.389-4	2.041-4	1.347-4	6.618-5	4.938-5	3.659-5	1.993-5
15	67	8.426-4	9.589-4	8.674-4	7.687-4	6.531-4	4.254-4	2.132-4	1.634-4	1.263-4	7.892-5
15	68	2.411-3	2.495-3	2.080-3	1.807-3	1.511-3	9.665-4	4.791-4	3.649-4	2.786-4	1.650-4
15	69	4.112-3	3.598-3	2.845-3	2.524-3	2.170-3	1.445-3	7.113-4	5.296-4	3.910-4	2.103-4
15	70	2.524-3	2.409-3	1.911-3	1.646-3	1.368-3	8.613-4	4.121-4	3.081-4	2.303-4	1.305-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
15	71	5.789-3	5.888-3	5.328-3	4.870-3	4.274-3	2.926-3	1.499-3	1.142-3	8.710-4	5.158-4
15	72	6.366-3	5.652-3	4.515-3	4.011-3	3.448-3	2.296-3	1.136-3	8.495-4	6.320-4	3.494-4
15	73	4.135-4	3.327-4	2.331-4	1.960-4	1.604-4	1.002-4	4.946-5	3.801-5	2.961-5	1.898-5
15	74	2.482-3	1.903-3	1.440-3	1.270-3	1.086-3	7.190-4	3.578-4	2.695-4	2.024-4	1.146-4
15	75	2.891-3	2.254-3	1.778-3	1.583-3	1.362-3	9.105-4	4.608-4	3.514-4	2.688-4	1.615-4
15	76	1.027-2	8.748-3	7.296-3	6.569-3	5.697-3	3.828-3	1.907-3	1.432-3	1.071-3	6.019-4
15	77	5.219-3	4.721-3	4.101-3	3.724-3	3.249-3	2.199-3	1.101-3	8.270-4	6.179-4	3.443-4
15	78	6.192-3	5.383-3	4.766-3	4.363-3	3.829-3	2.609-3	1.314-3	9.904-4	7.437-4	4.217-4
15	79	4.590-4	4.056-4	3.192-4	2.754-4	2.292-4	1.445-4	6.872-5	5.100-5	3.766-5	2.037-5
15	80	1.787-3	1.842-3	1.603-3	1.418-3	1.207-3	7.984-4	4.165-4	3.246-4	2.542-4	1.587-4
15	81	1.989-3	1.722-3	1.279-3	1.088-3	8.979-4	5.681-4	2.854-4	2.199-4	1.703-4	1.040-4
15	82	8.786-4	7.412-4	5.255-4	4.380-4	3.548-4	2.177-4	1.058-4	8.032-5	6.108-5	3.543-5
15	83	2.229-3	2.023-3	1.515-3	1.291-3	1.075-3	7.144-4	4.207-4	3.550-4	3.060-4	2.369-4
15	84	1.861-3	1.508-3	1.035-3	8.595-4	6.982-4	4.420-4	2.376-4	1.906-4	1.543-4	1.025-4
15	85	4.123-3	3.321-3	2.365-3	1.994-3	1.636-3	1.032-3	5.235-4	4.056-4	3.155-4	1.927-4
15	86	2.617-3	2.350-3	1.746-3	1.479-3	1.220-3	7.901-4	4.386-4	3.590-4	2.988-4	2.151-4
15	87	3.448-3	3.249-3	2.467-3	2.094-3	1.730-3	1.121-3	6.132-4	4.934-4	3.995-4	2.634-4
15	88	2.077-3	1.736-3	1.302-3	1.138-3	9.812-4	7.198-4	5.059-4	4.591-4	4.254-4	3.736-4
15	89	1.880-2	1.649-2	1.229-2	1.044-2	8.659-3	5.739-3	3.368-3	2.826-3	2.412-3	1.819-3
15	90	1.704-3	1.507-3	1.123-3	9.572-4	7.948-4	5.179-4	2.829-4	2.277-4	1.852-4	1.254-4
15	91	6.305-4	5.657-4	4.500-4	3.969-4	3.431-4	2.489-4	1.700-4	1.532-4	1.418-4	1.261-4
15	92	2.541-3	2.222-3	1.652-3	1.397-3	1.146-3	7.223-4	3.685-4	2.861-4	2.226-4	1.347-4
15	93	1.862-3	1.702-3	1.276-3	1.072-3	8.749-4	5.507-4	2.908-4	2.327-4	1.892-4	1.301-4
15	94	1.792-2	1.757-2	1.405-2	1.207-2	1.006-2	6.661-3	3.990-3	3.470-3	3.153-3	2.858-3
15	95	2.170-3	2.028-3	1.567-3	1.337-3	1.106-3	7.105-4	3.772-4	2.992-4	2.390-4	1.544-4
15	96	2.663-3	2.683-3	2.135-3	1.837-3	1.541-3	1.043-3	6.372-4	5.480-4	4.835-4	3.956-4
15	97	3.349-3	3.395-3	2.764-3	2.394-3	2.020-3	1.386-3	8.894-4	7.940-4	7.370-4	6.819-4
15	98	3.731-3	3.306-3	2.404-3	2.019-3	1.652-3	1.047-3	5.501-4	4.336-4	3.428-4	2.139-4
15	99	3.114-3	2.780-3	2.084-3	1.791-3	1.514-3	1.066-3	7.095-4	6.308-4	5.730-4	4.878-4
15	100	1.297-3	1.198-3	9.292-4	7.939-4	6.593-4	4.317-4	2.405-4	1.950-4	1.590-4	1.063-4
15	101	8.906-4	7.401-4	5.324-4	4.476-4	3.671-4	2.356-4	1.285-4	1.036-4	8.426-5	5.677-5
15	102	2.892-3	3.016-3	2.483-3	2.141-3	1.791-3	1.186-3	6.692-4	5.440-4	4.439-4	2.941-4
15	103	2.233-3	2.297-3	1.843-3	1.566-3	1.286-3	8.138-4	4.267-4	3.383-4	2.709-4	1.776-4
15	104	3.043-3	2.965-3	2.312-3	1.969-3	1.633-3	1.083-3	6.407-4	5.408-4	4.649-4	3.544-4
15	105	3.398-3	3.160-3	2.466-3	2.119-3	1.776-3	1.208-3	7.678-4	6.813-4	6.261-4	5.618-4
15	106	1.081-2	9.935-3	7.522-3	6.508-3	5.582-3	4.132-3	2.934-3	2.622-3	2.353-3	1.865-3
15	107	1.410-2	1.236-2	8.719-3	7.225-3	5.860-3	3.754-3	2.203-3	1.899-3	1.702-3	1.485-3
15	108	1.196-2	1.144-2	8.948-3	7.865-3	6.881-3	5.362-3	4.165-3	3.880-3	3.650-3	3.213-3
15	109	1.660-2	1.522-2	1.108-2	9.493-3	8.089-3	5.960-3	4.250-3	3.813-3	3.437-3	2.755-3
15	110	1.145-2	1.033-2	7.963-3	7.090-3	6.322-3	5.134-3	4.065-3	3.738-3	3.425-3	2.776-3
15	111	7.656-3	6.744-3	4.736-3	3.999-3	3.356-3	2.398-3	1.648-3	1.463-3	1.307-3	1.034-3
15	112	4.251-2	4.033-2	3.598-2	3.459-2	3.348-2	3.206-2	3.149-2	3.155-2	3.168-2	3.088-2
15	113	7.670-3	5.894-3	3.817-3	3.189-3	2.668-3	1.924-3	1.362-3	1.226-3	1.112-3	9.086-4
15	114	1.259-2	1.105-2	8.905-3	8.258-3	7.708-3	6.815-3	5.755-3	5.326-3	4.863-3	3.825-3
15	115	1.252-2	1.086-2	8.562-3	7.872-3	7.289-3	6.367-3	5.340-3	4.945-3	4.527-3	3.599-3
15	116	7.020-3	6.284-3	5.298-3	5.005-3	4.754-3	4.333-3	3.792-3	3.562-3	3.310-3	2.716-3
15	117	1.019-2	9.199-3	7.962-3	7.604-3	7.300-3	6.790-3	6.137-3	5.867-3	5.574-3	4.835-3
15	118	4.014-3	3.588-3	2.894-3	2.683-3	2.506-3	2.223-3	1.902-3	1.776-3	1.641-3	1.333-3
15	119	7.883-3	6.906-3	5.792-3	5.484-3	5.229-3	4.828-3	4.379-3	4.210-3	4.033-3	3.572-3
15	120	2.706-2	2.605-2	2.259-2	2.136-2	2.033-2	1.891-2	1.803-2	1.789-2	1.779-2	1.704-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
15	121	1.274-2	1.244-2	1.212-2	1.205-2	1.201-2	1.208-2	1.258-2	1.295-2	1.342-2	1.398-2
15	122	3.661-2	3.648-2	3.633-2	3.635-2	3.647-2	3.706-2	3.915-2	4.056-2	4.233-2	4.473-2
15	123	5.201-2	5.218-2	5.219-2	5.230-2	5.253-2	5.355-2	5.694-2	5.919-2	6.203-2	6.607-2
15	124	1.148-2	1.117-2	1.101-2	1.099-2	1.100-2	1.108-2	1.145-2	1.172-2	1.206-2	1.241-2
15	125	3.952-2	3.965-2	3.991-2	4.008-2	4.031-2	4.109-2	4.337-2	4.489-2	4.680-2	4.931-2
16	17	3.990-1	3.557-1	2.853-1	2.616-1	2.445-1	2.521-1	3.668-1	4.301-1	4.994-1	6.208-1
16	18	7.928-1	6.125-1	4.667-1	4.313-1	4.099-1	4.370-1	6.258-1	7.216-1	8.226-1	9.857-1
16	19	1.144-2	1.023-2	8.729-3	8.141-3	7.627-3	7.232-3	8.256-3	8.912-3	9.627-3	1.069-2
16	20	5.226-2	5.477-2	5.403-2	5.307-2	5.273-2	5.752-2	7.649-2	8.553-2	9.484-2	1.088-1
16	21	4.253-2	4.149-2	4.021-2	3.968-2	3.920-2	3.872-2	3.902-2	3.920-2	3.932-2	3.818-2
16	22	6.340-2	6.467-2	6.267-2	6.155-2	6.053-2	5.937-2	5.953-2	5.973-2	5.987-2	5.805-2
16	23	6.642-3	7.689-3	7.429-3	6.820-3	6.090-3	4.687-3	3.441-3	3.154-3	2.937-3	2.574-3
16	24	6.517-4	5.895-4	4.443-4	3.758-4	3.073-4	1.896-4	9.079-5	6.822-5	5.124-5	2.895-5
16	25	1.964-3	1.935-3	1.599-3	1.384-3	1.160-3	7.689-4	4.436-4	3.698-4	3.141-4	2.355-4
16	26	9.922-4	8.017-4	5.345-4	4.364-4	3.478-4	2.103-4	1.045-4	8.122-5	6.377-5	4.049-5
16	27	1.546-3	1.309-3	9.007-4	7.384-4	5.893-4	3.561-4	1.762-4	1.367-4	1.073-4	6.825-5
16	28	1.360-3	1.186-3	8.128-4	6.612-4	5.229-4	3.086-4	1.451-4	1.094-4	8.276-5	4.800-5
16	29	9.074-3	9.331-3	8.024-3	7.281-3	6.554-3	5.327-3	4.176-3	3.823-3	3.482-3	2.770-3
16	30	1.016-3	8.837-4	6.138-4	5.075-4	4.113-4	2.634-4	1.497-4	1.232-4	1.021-4	7.036-5
16	31	1.512-3	1.310-3	8.939-4	7.304-4	5.837-4	3.603-4	1.927-4	1.560-4	1.285-4	9.029-5
16	32	8.406-4	7.103-4	4.654-4	3.857-4	3.204-4	2.358-4	1.949-4	1.921-4	1.929-4	1.940-4
16	33	2.039-2	1.907-2	1.638-2	1.547-2	1.485-2	1.486-2	1.688-2	1.791-2	1.898-2	2.030-2
16	34	4.183-4	3.426-4	2.110-4	1.677-4	1.311-4	7.818-5	3.993-5	3.168-5	2.551-5	1.715-5
16	35	7.064-4	5.763-4	3.579-4	2.912-4	2.366-4	1.597-4	1.026-4	8.882-5	7.724-5	5.754-5
16	36	1.544-3	1.326-3	9.194-4	8.009-4	7.123-4	6.233-4	6.309-4	6.538-4	6.824-4	7.197-4
16	37	2.490-4	1.991-4	1.186-4	9.484-5	7.576-5	5.033-5	3.477-5	3.213-5	3.052-5	2.833-5
16	38	3.634-4	2.653-4	1.531-4	1.215-4	9.603-5	6.067-5	3.621-5	3.119-5	2.759-5	2.267-5
16	39	4.096-4	3.129-4	1.965-4	1.601-4	1.288-4	8.212-5	4.613-5	3.773-5	3.106-5	2.108-5
16	40	3.117-4	2.389-4	1.522-4	1.259-4	1.039-4	7.197-5	4.776-5	4.197-5	3.724-5	2.938-5
16	41	7.100-3	6.699-3	6.211-3	6.123-3	6.136-3	6.531-3	7.587-3	8.059-3	8.548-3	9.167-3
16	42	2.595-4	1.910-4	1.156-4	9.382-5	7.571-5	4.949-5	2.946-5	2.464-5	2.070-5	1.449-5
16	43	1.526-4	1.156-4	7.838-5	6.705-5	5.742-5	4.307-5	3.091-5	2.736-5	2.405-5	1.781-5
16	44	7.851-2	7.833-2	7.790-2	7.845-2	8.011-2	8.765-2	1.036-1	1.104-1	1.174-1	1.263-1
16	45	1.368-1	1.375-1	1.373-1	1.384-1	1.414-1	1.544-1	1.818-1	1.936-1	2.056-1	2.209-1
16	46	2.280-4	2.094-4	1.509-4	1.255-4	1.022-4	6.575-5	3.707-5	3.032-5	2.495-5	1.689-5
16	47	1.408-4	1.222-4	8.917-5	7.710-5	6.642-5	5.022-5	3.735-5	3.413-5	3.139-5	2.633-5
16	48	7.886-4	6.923-4	4.754-4	3.966-4	3.284-4	2.280-4	1.533-4	1.363-4	1.231-4	1.012-4
16	49	6.444-4	5.785-4	4.174-4	3.582-4	3.068-4	2.308-4	1.725-4	1.582-4	1.462-4	1.234-4
16	50	2.467-5	2.012-5	1.295-5	1.062-5	8.617-6	5.627-6	3.264-6	2.681-6	2.199-6	1.448-6
16	51	3.356-5	2.817-5	1.857-5	1.536-5	1.259-5	8.484-6	5.283-6	4.501-6	3.853-6	2.793-6
16	52	2.331-5	1.886-5	1.246-5	1.031-5	8.413-6	5.503-6	3.219-6	2.692-6	2.282-6	1.680-6
16	53	5.435-5	4.182-5	2.659-5	2.216-5	1.851-5	1.329-5	9.460-6	8.590-6	7.903-6	6.716-6
16	54	3.540-5	3.120-5	2.558-5	2.393-5	2.269-5	2.151-5	2.187-5	2.238-5	2.301-5	2.358-5
16	55	2.047-4	1.756-4	1.408-4	1.294-4	1.191-4	1.024-4	8.519-5	7.930-5	7.334-5	6.018-5
16	56	3.378-4	2.944-4	2.450-4	2.320-4	2.231-4	2.146-4	2.031-4	1.946-4	1.835-4	1.534-4
16	57	9.941-5	9.755-5	9.413-5	9.380-5	9.469-5	1.004-4	1.132-4	1.191-4	1.253-4	1.330-4
16	58	4.292-5	3.167-5	2.057-5	1.741-5	1.477-5	1.087-5	7.650-6	6.771-6	5.984-6	4.537-6
16	59	9.120-4	9.059-4	9.044-4	9.130-4	9.319-4	1.002-3	1.138-3	1.197-3	1.260-3	1.337-3
16	60	3.639-4	3.497-4	3.300-4	3.276-4	3.301-4	3.435-4	3.434-4	3.317-4	3.137-4	2.606-4
16	61	2.350-5	2.026-5	1.439-5	1.228-5	1.041-5	7.474-6	5.110-6	4.549-6	4.105-6	3.389-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
16	62	1.266-4	1.182-4	1.037-4	9.887-5	9.496-5	8.927-5	8.049-5	7.566-5	6.992-5	5.599-5
16	63	4.635-4	4.615-4	4.614-4	4.660-4	4.754-4	5.085-4	5.716-4	5.997-4	6.298-4	6.662-4
16	64	2.854-4	2.812-4	2.713-4	2.663-4	2.607-4	2.482-4	2.282-4	2.192-4	2.089-4	1.812-4
16	65	2.025-4	1.762-4	1.430-4	1.318-4	1.217-4	1.046-4	8.662-5	8.031-5	7.383-5	5.954-5
16	66	1.188-4	1.169-4	1.140-4	1.141-4	1.154-4	1.213-4	1.341-4	1.401-4	1.466-4	1.542-4
16	67	1.221-4	1.117-4	9.167-5	8.368-5	7.624-5	6.386-5	5.178-5	4.791-5	4.409-5	3.585-5
16	68	3.530-4	3.476-4	3.350-4	3.307-4	3.275-4	3.241-4	3.200-4	3.176-4	3.145-4	2.972-4
16	69	5.745-5	5.517-5	5.233-5	5.155-5	5.095-5	4.986-5	4.719-5	4.571-5	4.404-5	3.940-5
16	70	2.259-4	2.242-4	2.158-4	2.121-4	2.090-4	2.050-4	2.021-4	2.014-4	2.006-4	1.925-4
16	71	6.712-5	6.593-5	6.412-5	6.373-5	6.369-5	6.444-5	6.566-5	6.604-5	6.636-5	6.471-5
16	72	8.219-5	8.037-5	7.846-5	7.776-5	7.708-5	7.545-5	7.132-5	6.913-5	6.672-5	6.005-5
16	73	4.882-6	4.428-6	3.617-6	3.304-6	3.024-6	2.595-6	2.245-6	2.152-6	2.069-6	1.867-6
16	74	3.057-5	2.952-5	2.812-5	2.776-5	2.756-5	2.764-5	2.837-5	2.884-5	2.942-5	2.971-5
16	75	1.785-5	1.649-5	1.450-5	1.373-5	1.299-5	1.163-5	9.823-6	9.108-6	8.371-6	6.794-6
16	76	5.048-5	4.793-5	4.571-5	4.516-5	4.478-5	4.396-5	4.108-5	3.925-5	3.704-5	3.130-5
16	77	3.433-5	3.266-5	2.911-5	2.756-5	2.604-5	2.318-5	1.940-5	1.789-5	1.631-5	1.290-5
16	78	7.114-5	6.890-5	6.595-5	6.509-5	6.458-5	6.459-5	6.624-5	6.739-5	6.882-5	6.969-5
16	79	8.312-6	7.941-6	6.768-6	6.251-6	5.775-6	5.017-6	4.315-6	4.095-6	3.882-6	3.394-6
16	80	1.619-5	1.455-5	1.028-5	8.777-6	7.496-6	5.611-6	4.097-6	3.703-6	3.369-6	2.769-6
16	81	7.793-6	6.208-6	4.009-6	3.323-6	2.748-6	1.912-6	1.253-6	1.083-6	9.359-7	6.842-7
16	82	4.002-5	3.754-5	3.352-5	3.218-5	3.113-5	3.003-5	3.036-5	3.098-5	3.180-5	3.257-5
16	83	7.397-6	6.417-6	4.494-6	3.781-6	3.155-6	2.221-6	1.526-6	1.374-6	1.260-6	1.079-6
16	84	5.319-5	5.182-5	4.963-5	4.913-5	4.896-5	4.958-5	5.214-5	5.368-5	5.549-5	5.735-5
16	85	6.937-6	6.005-6	4.472-6	3.957-6	3.513-6	2.831-6	2.205-6	2.017-6	1.846-6	1.516-6
16	86	8.032-5	7.852-5	7.584-5	7.528-5	7.515-5	7.614-5	7.986-5	8.212-5	8.481-5	8.745-5
16	87	7.139-6	6.187-6	4.365-6	3.728-6	3.179-6	2.356-6	1.670-6	1.483-6	1.318-6	1.022-6
16	88	3.395-6	2.671-6	1.941-6	1.748-6	1.596-6	1.389-6	1.239-6	1.203-6	1.172-6	1.088-6
16	89	1.854-4	1.823-4	1.786-4	1.779-4	1.778-4	1.781-4	1.773-4	1.765-4	1.754-4	1.670-4
16	90	2.616-6	2.085-6	1.444-6	1.257-6	1.106-6	8.996-7	7.575-7	7.279-7	7.058-7	6.546-7
16	91	1.061-6	7.934-7	4.703-7	3.776-7	3.026-7	1.984-7	1.243-7	1.078-7	9.474-8	7.397-8
16	92	1.299-6	1.031-6	6.100-7	4.779-7	3.687-7	2.146-7	1.050-7	8.120-8	6.317-8	3.860-8
16	93	3.435-5	3.210-5	2.566-5	2.342-5	2.159-5	1.921-5	1.816-5	1.826-5	1.855-5	1.879-5
16	94	1.059-4	1.028-4	9.609-5	9.391-5	9.215-5	8.954-5	8.672-5	8.565-5	8.449-5	7.940-5
16	95	1.831-6	1.557-6	9.859-7	7.974-7	6.401-7	4.147-7	2.445-7	2.037-7	1.704-7	1.190-7
16	96	2.973-6	2.657-6	2.181-6	2.037-6	1.917-6	1.733-6	1.528-6	1.449-6	1.365-6	1.161-6
16	97	1.510-5	1.432-5	1.283-5	1.238-5	1.203-5	1.156-5	1.122-5	1.114-5	1.106-5	1.056-5
16	98	1.609-6	1.305-6	8.323-7	6.890-7	5.712-7	4.023-7	2.691-7	2.347-7	2.056-7	1.564-7
16	99	5.175-6	4.244-6	3.162-6	2.879-6	2.659-6	2.361-6	2.123-6	2.056-6	1.994-6	1.826-6
16	100	3.236-6	2.209-6	1.223-6	9.804-7	7.935-7	5.435-7	3.623-7	3.172-7	2.784-7	2.099-7
16	101	8.594-6	8.037-6	7.369-6	7.168-6	6.993-6	6.710-6	6.408-6	6.290-6	6.151-6	5.636-6
16	102	7.672-7	5.807-7	4.003-7	3.513-7	3.104-7	2.473-7	1.858-7	1.661-7	1.476-7	1.125-7
16	103	1.216-5	1.119-5	1.048-5	1.037-5	1.032-5	1.032-5	1.037-5	1.039-5	1.041-5	1.006-5
16	104	6.007-5	5.801-5	5.511-5	5.405-5	5.306-5	5.139-5	4.952-5	4.877-5	4.785-5	4.412-5
16	105	2.178-6	1.521-6	9.223-7	7.768-7	6.652-7	5.175-7	4.155-7	3.920-7	3.725-7	3.305-7
16	106	2.981-5	2.943-5	2.898-5	2.892-5	2.894-5	2.926-5	3.041-5	3.116-5	3.207-5	3.285-5
16	107	2.625-4	2.623-4	2.556-4	2.523-4	2.490-4	2.430-4	2.354-4	2.321-4	2.279-4	2.103-4
16	108	3.554-6	3.173-6	2.239-6	1.880-6	1.565-6	1.092-6	7.087-7	6.094-7	5.249-7	3.836-7
16	109	2.296-6	1.961-6	1.399-6	1.217-6	1.064-6	8.362-7	6.356-7	5.743-7	5.162-7	4.010-7
16	110	2.309-6	2.209-6	1.732-6	1.555-6	1.401-6	1.159-6	9.106-7	8.269-7	7.461-7	5.866-7
16	111	2.724-5	2.710-5	2.676-5	2.671-5	2.674-5	2.701-5	2.803-5	2.871-5	2.953-5	3.022-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
16	112	1.679-5	1.660-5	1.634-5	1.629-5	1.629-5	1.644-5	1.712-5	1.757-5	1.813-5	1.867-5
16	113	5.891-6	5.733-6	5.530-6	5.477-6	5.443-6	5.441-6	5.598-6	5.722-6	5.879-6	6.016-6
16	114	1.841-7	1.545-7	1.169-7	1.058-7	9.638-8	8.106-8	6.378-8	5.757-8	5.147-8	3.941-8
16	115	2.584-7	2.358-7	2.047-7	1.939-7	1.836-7	1.636-7	1.357-7	1.247-7	1.135-7	9.036-8
16	116	5.611-7	5.509-7	5.427-7	5.411-7	5.400-7	5.393-7	5.419-7	5.441-7	5.461-7	5.294-7
16	117	4.737-7	4.623-7	4.504-7	4.474-7	4.450-7	4.412-7	4.383-7	4.380-7	4.375-7	4.206-7
16	118	2.912-7	2.813-7	2.648-7	2.591-7	2.541-7	2.453-7	2.331-7	2.274-7	2.204-7	1.977-7
16	119	1.584-7	1.428-7	1.242-7	1.179-7	1.118-7	9.939-8	8.119-8	7.397-8	6.674-8	5.217-8
16	120	5.645-6	5.567-6	5.367-6	5.303-6	5.255-6	5.209-6	5.270-6	5.341-6	5.438-6	5.472-6
16	121	1.959-6	1.933-6	1.892-6	1.878-6	1.864-6	1.839-6	1.799-6	1.778-6	1.749-6	1.617-6
16	122	6.657-7	6.648-7	6.658-7	6.661-7	6.660-7	6.652-7	6.632-7	6.620-7	6.597-7	6.292-7
16	123	7.154-7	7.109-7	7.092-7	7.094-7	7.101-7	7.138-7	7.264-7	7.338-7	7.414-7	7.267-7
16	124	4.589-7	4.562-7	4.504-7	4.468-7	4.419-7	4.271-7	3.961-7	3.820-7	3.666-7	3.252-7
16	125	9.904-7	9.898-7	9.863-7	9.838-7	9.803-7	9.700-7	9.505-7	9.425-7	9.333-7	8.803-7
17	18	1.935-1	1.932-1	1.461-1	1.267-1	1.098-1	8.542-2	6.911-2	6.598-2	6.385-2	6.003-2
17	19	7.726-3	7.029-3	5.034-3	4.173-3	3.360-3	2.036-3	9.649-4	7.227-4	5.405-4	3.019-4
17	20	2.615-2	2.243-2	1.544-2	1.285-2	1.053-2	6.976-3	4.303-3	3.724-3	3.294-3	2.675-3
17	21	2.146-1	2.247-1	2.272-1	2.283-1	2.349-1	2.860-1	4.370-1	5.059-1	5.772-1	6.909-1
17	22	1.847-2	1.992-2	1.788-2	1.672-2	1.559-2	1.359-2	1.152-2	1.090-2	1.034-2	9.182-3
17	23	4.817-3	4.996-3	4.098-3	3.547-3	2.959-3	1.877-3	9.059-4	6.781-4	5.064-4	2.826-4
17	24	1.476-2	1.357-2	1.127-2	1.057-2	1.010-2	1.036-2	1.299-2	1.432-2	1.571-2	1.779-2
17	25	4.149-2	3.720-2	3.352-2	3.264-2	3.240-2	3.546-2	4.632-2	5.134-2	5.649-2	6.408-2
17	26	2.320-2	1.825-2	1.489-2	1.431-2	1.421-2	1.600-2	2.172-2	2.427-2	2.686-2	3.062-2
17	27	7.340-3	6.534-3	5.634-3	5.308-3	5.030-3	4.765-3	5.004-3	5.194-3	5.406-3	5.643-3
17	28	3.515-3	3.389-3	3.140-3	3.063-3	3.060-3	3.434-3	4.589-3	5.102-3	5.624-3	6.377-3
17	29	2.700-3	2.397-3	1.689-3	1.389-3	1.113-3	6.781-4	3.405-4	2.649-4	2.074-4	1.287-4
17	30	1.940-3	1.599-3	1.122-3	9.564-4	8.076-4	5.723-4	3.747-4	3.238-4	2.805-4	2.073-4
17	31	1.148-2	1.097-2	1.054-2	1.051-2	1.072-2	1.236-2	1.660-2	1.842-2	2.025-2	2.286-2
17	32	1.191-3	1.059-3	8.494-4	7.725-4	7.039-4	6.021-4	5.300-4	5.143-4	5.017-4	4.678-4
17	33	5.929-3	5.241-3	3.764-3	3.126-3	2.527-3	1.571-3	8.307-4	6.701-4	5.520-4	3.952-4
17	34	8.268-4	8.013-4	6.343-4	5.624-4	4.967-4	3.953-4	3.174-4	2.994-4	2.849-4	2.559-4
17	35	1.166-3	1.057-3	8.744-4	8.088-4	7.514-4	6.689-4	6.125-4	6.001-4	5.895-4	5.537-4
17	36	4.765-4	4.195-4	2.983-4	2.495-4	2.048-4	1.348-4	7.891-5	6.563-5	5.508-5	3.919-5
17	37	4.301-4	3.705-4	2.532-4	2.108-4	1.735-4	1.171-4	7.326-5	6.281-5	5.437-5	4.098-5
17	38	3.179-4	2.427-4	1.573-4	1.297-4	1.057-4	6.925-5	3.993-5	3.265-5	2.669-5	1.757-5
17	39	7.284-3	6.808-3	5.487-3	4.932-3	4.427-3	3.641-3	2.968-3	2.770-3	2.579-3	2.159-3
17	40	7.767-3	6.960-3	5.671-3	5.222-3	4.825-3	4.188-3	3.535-3	3.300-3	3.051-3	2.475-3
17	41	5.378-3	5.041-3	3.555-3	2.943-3	2.404-3	1.610-3	1.055-3	9.444-4	8.666-4	7.526-4
17	42	1.001-3	9.499-4	8.343-4	7.935-4	7.603-4	7.205-4	7.073-4	7.081-4	7.094-4	6.877-4
17	43	9.275-5	8.083-5	5.390-5	4.356-5	3.433-5	2.025-5	9.552-6	7.192-6	5.420-6	3.074-6
17	44	6.838-3	5.633-3	3.575-3	2.845-3	2.215-3	1.295-3	6.309-4	4.874-4	3.795-4	2.337-4
17	45	1.322-2	1.148-2	7.253-3	5.745-3	4.465-3	2.634-3	1.339-3	1.063-3	8.567-4	5.752-4
17	46	1.518-3	1.476-3	1.233-3	1.153-3	1.102-3	1.097-3	1.234-3	1.307-3	1.384-3	1.485-3
17	47	1.027-3	7.566-4	4.531-4	3.716-4	3.071-4	2.186-4	1.525-4	1.355-4	1.206-4	9.276-5
17	48	1.596-3	1.225-3	8.345-4	7.413-4	6.788-4	6.343-4	6.767-4	7.076-4	7.426-4	7.868-4
17	49	1.339-3	1.031-3	7.796-4	7.292-4	7.037-4	7.202-4	8.264-4	8.780-4	9.327-4	1.004-3
17	50	1.402-5	1.154-5	7.655-6	6.248-6	4.980-6	2.997-6	1.436-6	1.084-6	8.179-7	4.642-7
17	51	6.217-5	5.171-5	3.766-5	3.284-5	2.855-5	2.180-5	1.602-5	1.446-5	1.309-5	1.059-5
17	52	5.023-5	3.890-5	2.687-5	2.307-5	1.977-5	1.471-5	1.025-5	8.948-6	7.750-6	5.572-6
17	53	4.031-5	3.572-5	2.714-5	2.377-5	2.063-5	1.546-5	1.074-5	9.398-6	8.192-6	6.028-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
17	54	2.541-5	2.406-5	1.916-5	1.700-5	1.491-5	1.131-5	7.858-6	6.854-6	5.948-6	4.327-6
17	55	7.646-2	7.645-2	7.715-2	7.844-2	8.093-2	8.967-2	1.057-1	1.123-1	1.191-1	1.276-1
17	56	1.291-1	1.292-1	1.303-1	1.324-1	1.364-1	1.504-1	1.762-1	1.869-1	1.979-1	2.114-1
17	57	3.515-4	3.534-4	3.307-4	3.182-4	3.061-4	2.852-4	2.631-4	2.552-4	2.466-4	2.220-4
17	58	2.973-5	2.309-5	1.589-5	1.360-5	1.158-5	8.424-6	5.783-6	5.101-6	4.524-6	3.535-6
17	59	3.805-5	3.163-5	2.404-5	2.159-5	1.944-5	1.616-5	1.368-5	1.315-5	1.275-5	1.184-5
17	60	2.169-4	1.823-4	1.360-4	1.219-4	1.102-4	9.289-5	7.557-5	6.932-5	6.297-5	4.964-5
17	61	2.839-5	2.453-5	1.920-5	1.737-5	1.573-5	1.307-5	1.016-5	9.090-6	8.010-6	5.859-6
17	62	2.536-4	2.295-4	1.934-4	1.821-4	1.728-4	1.600-4	1.511-4	1.494-4	1.481-4	1.417-4
17	63	2.406-5	1.923-5	1.400-5	1.242-5	1.103-5	8.847-6	6.986-6	6.506-6	6.096-6	5.282-6
17	64	1.188-3	1.183-3	1.183-3	1.198-3	1.229-3	1.332-3	1.519-3	1.599-3	1.683-3	1.784-3
17	65	2.866-4	2.678-4	2.301-4	2.194-4	2.131-4	2.132-4	2.307-4	2.405-4	2.515-4	2.646-4
17	66	3.282-5	2.783-5	1.941-5	1.664-5	1.430-5	1.084-5	7.991-6	7.198-6	6.475-6	5.094-6
17	67	8.574-5	7.412-5	5.741-5	5.155-5	4.649-5	3.936-5	3.527-5	3.490-5	3.498-5	3.470-5
17	68	1.604-4	1.401-4	9.691-5	8.126-5	6.770-5	4.752-5	3.168-5	2.768-5	2.424-5	1.822-5
17	69	3.762-4	3.709-4	3.698-4	3.732-4	3.792-4	3.940-4	4.041-4	4.029-4	3.990-4	3.738-4
17	70	3.811-4	3.647-4	3.390-4	3.337-4	3.326-4	3.428-4	3.737-4	3.892-4	4.065-4	4.264-4
17	71	8.164-5	7.865-5	7.485-5	7.370-5	7.274-5	7.094-5	6.652-5	6.387-5	6.066-5	5.206-5
17	72	4.942-5	4.506-5	4.014-5	3.851-5	3.690-5	3.348-5	2.795-5	2.558-5	2.311-5	1.802-5
17	73	1.051-4	1.042-4	1.040-4	1.052-4	1.075-4	1.149-4	1.283-4	1.343-4	1.408-4	1.484-4
17	74	1.832-4	1.779-4	1.701-4	1.670-4	1.636-4	1.564-4	1.442-4	1.384-4	1.317-4	1.136-4
17	75	1.818-4	1.762-4	1.688-4	1.658-4	1.625-4	1.553-4	1.432-4	1.374-4	1.308-4	1.130-4
17	76	9.941-5	9.593-5	9.155-5	9.026-5	8.919-5	8.770-5	8.659-5	8.631-5	8.595-5	8.219-5
17	77	1.106-4	9.906-5	8.648-5	8.219-5	7.808-5	7.044-5	6.060-5	5.666-5	5.247-5	4.296-5
17	78	1.466-4	1.361-4	1.262-4	1.231-4	1.203-4	1.150-4	1.065-4	1.026-4	9.801-5	8.579-5
17	79	4.047-6	3.352-6	2.372-6	2.046-6	1.764-6	1.338-6	9.704-7	8.654-7	7.702-7	5.933-7
17	80	4.116-4	4.129-4	4.113-4	4.110-4	4.113-4	4.130-4	4.136-4	4.130-4	4.116-4	3.940-4
17	81	2.259-5	2.160-5	2.018-5	1.983-5	1.963-5	1.950-5	1.927-5	1.908-5	1.884-5	1.768-5
17	82	2.073-5	1.643-5	1.143-5	9.840-6	8.472-6	6.422-6	4.806-6	4.404-6	4.062-6	3.402-6
17	83	4.331-5	4.136-5	3.894-5	3.826-5	3.777-5	3.721-5	3.666-5	3.644-5	3.618-5	3.448-5
17	84	1.265-4	1.237-4	1.150-4	1.115-4	1.084-4	1.033-4	9.871-5	9.735-5	9.603-5	9.046-5
17	85	4.768-6	4.070-6	2.989-6	2.622-6	2.302-6	1.802-6	1.346-6	1.209-6	1.082-6	8.395-7
17	86	1.482-5	1.332-5	1.100-5	1.021-5	9.513-6	8.411-6	7.192-6	6.719-6	6.214-6	5.057-6
17	87	4.777-5	4.757-5	4.730-5	4.739-5	4.762-5	4.821-5	4.857-5	4.856-5	4.844-5	4.643-5
17	88	3.262-6	2.907-6	2.250-6	2.001-6	1.778-6	1.431-6	1.132-6	1.049-6	9.754-7	8.300-7
17	89	4.724-5	4.075-5	2.642-5	2.117-5	1.663-5	9.929-6	5.000-6	3.912-6	3.083-6	1.934-6
17	90	2.533-6	2.449-6	2.023-6	1.825-6	1.638-6	1.334-6	1.059-6	9.829-7	9.165-7	7.877-7
17	91	1.788-6	1.687-6	1.437-6	1.334-6	1.240-6	1.091-6	9.605-7	9.256-7	8.954-7	8.206-7
17	92	2.158-6	1.868-6	1.376-6	1.208-6	1.062-6	8.371-7	6.332-7	5.725-7	5.171-7	4.125-7
17	93	3.024-5	2.972-5	2.837-5	2.780-5	2.725-5	2.623-5	2.494-5	2.441-5	2.377-5	2.161-5
17	94	1.072-4	1.022-4	8.922-5	8.471-5	8.114-5	7.713-5	7.757-5	7.929-5	8.168-5	8.429-5
17	95	2.873-6	2.557-6	1.848-6	1.602-6	1.391-6	1.073-6	7.801-7	6.903-7	6.072-7	4.544-7
17	96	2.568-6	2.279-6	1.641-6	1.412-6	1.213-6	9.069-7	6.442-7	5.708-7	5.052-7	3.863-7
17	97	1.259-5	1.185-5	1.044-5	9.990-6	9.636-6	9.223-6	9.177-6	9.293-6	9.463-6	9.535-6
17	98	1.227-6	1.013-6	6.754-7	5.708-7	4.830-7	3.508-7	2.316-7	1.960-7	1.637-7	1.087-7
17	99	3.565-6	2.717-6	1.660-6	1.363-6	1.125-6	7.884-7	5.292-7	4.631-7	4.070-7	3.113-7
17	100	3.011-5	2.966-5	2.929-5	2.936-5	2.955-5	3.025-5	3.191-5	3.285-5	3.393-5	3.497-5
17	101	1.397-5	1.369-5	1.314-5	1.301-5	1.294-5	1.299-5	1.344-5	1.374-5	1.411-5	1.439-5
17	102	1.103-6	9.770-7	7.447-7	6.669-7	5.989-7	4.878-7	3.665-7	3.242-7	2.834-7	2.071-7
17	103	2.654-6	2.512-6	2.226-6	2.126-6	2.037-6	1.893-6	1.741-6	1.692-6	1.646-6	1.514-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
17	104	4.329-5	3.555-5	2.572-5	2.250-5	1.979-5	1.601-5	1.372-5	1.346-5	1.343-5	1.329-5
17	105	1.056-6	8.547-7	5.885-7	5.060-7	4.366-7	3.332-7	2.455-7	2.211-7	1.995-7	1.600-7
17	106	1.152-4	1.155-4	1.135-4	1.130-4	1.127-4	1.121-4	1.105-4	1.097-4	1.087-4	1.031-4
17	107	4.668-5	4.551-5	3.201-5	2.658-5	2.188-5	1.508-5	1.042-5	9.540-6	8.978-6	8.195-6
17	108	1.447-4	1.448-4	1.422-4	1.416-4	1.411-4	1.404-4	1.390-4	1.382-4	1.373-4	1.307-4
17	109	4.338-6	4.044-6	2.982-6	2.606-6	2.291-6	1.846-6	1.545-6	1.489-6	1.452-6	1.365-6
17	110	1.746-6	1.526-6	1.086-6	9.358-7	8.072-7	6.133-7	4.437-7	3.941-7	3.486-7	2.642-7
17	111	1.899-5	1.708-5	1.289-5	1.151-5	1.037-5	8.745-6	7.546-6	7.250-6	6.984-6	6.292-6
17	112	3.569-6	2.626-6	1.808-6	1.616-6	1.470-6	1.276-6	1.133-6	1.098-6	1.068-6	9.870-7
17	113	2.690-4	2.672-4	2.626-4	2.606-4	2.587-4	2.550-4	2.491-4	2.460-4	2.417-4	2.231-4
17	114	7.711-7	5.345-7	3.341-7	2.868-7	2.500-7	1.978-7	1.509-7	1.366-7	1.237-7	9.971-8
17	115	8.610-7	6.381-7	4.591-7	4.148-7	3.777-7	3.151-7	2.351-7	2.043-7	1.737-7	1.174-7
17	116	8.898-6	8.904-6	8.954-6	8.988-6	9.031-6	9.148-6	9.434-6	9.612-6	9.825-6	9.914-6
17	117	6.895-7	6.401-7	5.761-7	5.561-7	5.375-7	5.006-7	4.408-7	4.131-7	3.822-7	3.095-7
17	118	9.396-6	9.395-6	9.422-6	9.455-6	9.505-6	9.670-6	1.011-5	1.038-5	1.071-5	1.100-5
17	119	9.792-7	9.607-7	9.279-7	9.134-7	8.962-7	8.480-7	7.448-7	6.951-7	6.413-7	5.208-7
17	120	1.145-6	1.070-6	9.097-7	8.533-7	8.039-7	7.253-7	6.435-7	6.146-7	5.851-7	5.115-7
17	121	4.003-6	4.009-6	4.023-6	4.035-6	4.051-6	4.101-6	4.233-6	4.317-6	4.419-6	4.475-6
17	122	3.034-6	3.029-6	3.024-6	3.028-6	3.039-6	3.087-6	3.238-6	3.334-6	3.450-6	3.570-6
17	123	3.371-7	3.224-7	3.053-7	2.994-7	2.933-7	2.793-7	2.537-7	2.420-7	2.294-7	1.984-7
17	124	4.197-6	4.200-6	4.203-6	4.201-6	4.194-6	4.161-6	4.079-6	4.045-6	4.011-6	3.816-6
17	125	4.838-7	4.807-7	4.700-7	4.630-7	4.538-7	4.267-7	3.680-7	3.395-7	3.086-7	2.420-7
18	19	2.970-2	2.408-2	1.714-2	1.462-2	1.219-2	7.904-3	4.074-3	3.168-3	2.484-3	1.580-3
18	20	6.491-2	5.776-2	4.420-2	3.785-2	3.145-2	2.029-2	1.074-2	8.552-3	6.913-3	4.733-3
18	21	7.824-2	7.937-2	7.461-2	7.246-2	7.181-2	8.105-2	1.172-1	1.351-1	1.544-1	1.876-1
18	22	4.551-1	4.811-1	4.668-1	4.614-1	4.690-1	5.698-1	8.881-1	1.038-0	1.196-0	1.462-0
18	23	2.191-2	2.095-2	1.600-2	1.368-2	1.136-2	7.310-3	3.786-3	2.970-3	2.357-3	1.550-3
18	24	4.965-3	4.322-3	3.167-3	2.748-3	2.384-3	1.955-3	2.015-3	2.158-3	2.341-3	2.665-3
18	25	5.407-2	3.737-2	2.299-2	1.957-2	1.720-2	1.579-2	1.925-2	2.134-2	2.363-2	2.731-2
18	26	1.999-2	1.600-2	1.180-2	1.048-2	9.320-3	7.755-3	7.121-3	7.143-3	7.235-3	7.280-3
18	27	9.624-3	8.791-3	7.415-3	6.995-3	6.772-3	7.287-3	9.675-3	1.080-2	1.196-2	1.372-2
18	28	1.046-2	9.659-3	8.179-3	7.572-3	7.025-3	6.342-3	6.302-3	6.451-3	6.647-3	6.857-3
18	29	2.224-2	2.047-2	1.576-2	1.338-2	1.098-2	6.883-3	3.455-3	2.668-3	2.071-3	1.266-3
18	30	2.068-2	1.903-2	1.550-2	1.396-2	1.246-2	9.947-3	7.856-3	7.348-3	6.929-3	6.101-3
18	31	4.583-2	4.447-2	4.289-2	4.259-2	4.317-2	4.902-2	6.478-2	7.165-2	7.862-2	8.861-2
18	32	1.647-3	1.494-3	1.116-3	9.513-4	7.919-4	5.280-4	3.142-4	2.663-4	2.303-4	1.793-4
18	33	2.236-2	2.211-2	1.749-2	1.488-2	1.220-2	7.540-3	3.633-3	2.751-3	2.094-3	1.246-3
18	34	5.386-3	3.938-3	2.548-3	2.164-3	1.844-3	1.383-3	1.054-3	9.838-4	9.312-4	8.358-4
18	35	3.232-3	2.992-3	2.522-3	2.324-3	2.138-3	1.851-3	1.649-3	1.609-3	1.579-3	1.490-3
18	36	2.680-3	2.472-3	2.070-3	1.920-3	1.787-3	1.592-3	1.462-3	1.437-3	1.417-3	1.343-3
18	37	1.309-3	1.201-3	1.006-3	9.381-4	8.789-4	7.960-4	7.458-4	7.375-4	7.316-4	7.005-4
18	38	4.859-3	4.708-3	4.357-3	4.170-3	3.990-3	3.727-3	3.583-3	3.567-3	3.558-3	3.437-3
18	39	4.797-3	4.143-3	3.220-3	2.874-3	2.586-3	2.281-3	2.350-3	2.457-3	2.586-3	2.768-3
18	40	8.912-3	8.071-3	6.357-3	5.750-3	5.294-3	4.999-3	5.579-3	5.940-3	6.334-3	6.873-3
18	41	4.607-3	4.370-3	3.227-3	2.680-3	2.159-3	1.319-3	6.500-4	4.980-4	3.822-4	2.253-4
18	42	1.518-3	1.611-3	1.381-3	1.227-3	1.073-3	8.132-4	5.865-4	5.264-4	4.749-4	3.833-4
18	43	1.298-2	1.258-2	1.051-2	9.526-3	8.586-3	7.029-3	5.563-3	5.106-3	4.659-3	3.712-3
18	44	1.715-2	1.518-2	1.089-2	8.965-3	7.151-3	4.273-3	2.045-3	1.555-3	1.190-3	7.099-4
18	45	3.906-2	3.296-2	2.154-2	1.726-2	1.348-2	7.827-3	3.661-3	2.764-3	2.098-3	1.228-3
18	46	1.473-2	1.476-2	1.255-2	1.173-2	1.116-2	1.095-2	1.196-2	1.250-2	1.306-2	1.365-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
18	47	2.569-2	2.380-2	2.074-2	1.996-2	1.961-2	2.043-2	2.346-2	2.481-2	2.618-2	2.775-2
18	48	3.344-2	2.789-2	2.242-2	2.135-2	2.094-2	2.210-2	2.604-2	2.782-2	2.966-2	3.205-2
18	49	6.057-3	4.311-3	2.749-3	2.359-3	2.068-3	1.735-3	1.609-3	1.607-3	1.614-3	1.590-3
18	50	5.197-4	4.779-4	3.153-4	2.565-4	2.063-4	1.330-4	7.694-5	6.335-5	5.220-5	3.483-5
18	51	8.035-4	6.957-4	4.702-4	3.980-4	3.388-4	2.572-4	2.017-4	1.902-4	1.815-4	1.644-4
18	52	7.533-4	6.160-4	4.206-4	3.619-4	3.141-4	2.479-4	2.023-4	1.927-4	1.853-4	1.696-4
18	53	4.104-4	3.429-4	2.144-4	1.739-4	1.405-4	9.342-5	5.940-5	5.169-5	4.563-5	3.608-5
18	54	1.620-4	1.339-4	8.188-5	6.540-5	5.173-5	3.222-5	1.777-5	1.443-5	1.178-5	7.854-6
18	55	8.350-3	6.669-3	3.963-3	3.193-3	2.597-3	1.849-3	1.446-3	1.394-3	1.374-3	1.345-3
18	56	2.442-2	1.803-2	1.059-2	8.688-3	7.281-3	5.675-3	5.075-3	5.096-3	5.195-3	5.324-3
18	57	2.784-4	2.244-4	1.322-4	1.034-4	7.981-5	4.711-5	2.435-5	1.939-5	1.559-5	1.022-5
18	58	1.729-3	1.291-3	8.041-4	6.812-4	5.876-4	4.683-4	3.952-4	3.814-4	3.713-4	3.464-4
18	59	7.744-4	6.055-4	4.628-4	4.273-4	4.002-4	3.665-4	3.487-4	3.461-4	3.442-4	3.298-4
18	60	1.917-1	1.910-1	1.925-1	1.959-1	2.023-1	2.237-1	2.621-1	2.779-1	2.941-1	3.139-1
18	61	9.659-4	9.220-4	8.796-4	8.702-4	8.653-4	8.686-4	8.907-4	9.015-4	9.117-4	8.962-4
18	62	1.302-1	1.296-1	1.307-1	1.331-1	1.376-1	1.523-1	1.781-1	1.887-1	1.996-1	2.129-1
18	63	5.027-4	3.810-4	2.791-4	2.561-4	2.393-4	2.198-4	2.114-4	2.110-4	2.112-4	2.047-4
18	64	5.664-2	5.671-2	5.748-2	5.865-2	6.067-2	6.703-2	7.790-2	8.238-2	8.703-2	9.268-2
18	65	6.446-3	6.382-3	6.357-3	6.444-3	6.623-3	7.232-3	8.312-3	8.765-3	9.235-3	9.797-3
18	66	5.373-4	5.180-4	4.636-4	4.431-4	4.249-4	3.960-4	3.660-4	3.549-4	3.428-4	3.077-4
18	67	3.275-3	3.246-3	3.238-3	3.283-3	3.370-3	3.655-3	4.153-3	4.364-3	4.587-3	4.848-3
18	68	1.848-3	1.782-3	1.675-3	1.657-3	1.662-3	1.742-3	1.936-3	2.026-3	2.124-3	2.237-3
18	69	1.873-4	1.724-4	1.564-4	1.521-4	1.485-4	1.432-4	1.372-4	1.348-4	1.322-4	1.228-4
18	70	3.215-3	3.208-3	3.210-3	3.252-3	3.331-3	3.586-3	4.034-3	4.228-3	4.434-3	4.672-3
18	71	8.437-5	7.661-5	6.575-5	6.197-5	5.852-5	5.260-5	4.539-5	4.255-5	3.959-5	3.295-5
18	72	8.060-4	7.702-4	7.391-4	7.368-4	7.402-4	7.551-4	7.605-4	7.539-4	7.423-4	6.884-4
18	73	6.922-5	6.531-5	6.183-5	6.159-5	6.213-5	6.519-5	7.149-5	7.436-5	7.745-5	8.076-5
18	74	4.060-5	3.418-5	2.713-5	2.479-5	2.260-5	1.876-5	1.446-5	1.297-5	1.151-5	8.669-6
18	75	3.371-5	3.024-5	2.556-5	2.381-5	2.209-5	1.888-5	1.495-5	1.350-5	1.204-5	9.107-6
18	76	1.602-4	1.545-4	1.498-4	1.485-4	1.475-4	1.452-4	1.358-4	1.296-4	1.221-4	1.029-4
18	77	3.237-4	3.164-4	3.045-4	2.997-4	2.948-4	2.846-4	2.657-4	2.561-4	2.448-4	2.133-4
18	78	3.710-4	3.594-4	3.433-4	3.372-4	3.313-4	3.192-4	2.985-4	2.883-4	2.764-4	2.428-4
18	79	1.374-4	1.348-4	1.326-4	1.334-4	1.354-4	1.427-4	1.563-4	1.623-4	1.688-4	1.754-4
18	80	7.348-5	6.163-5	4.118-5	3.460-5	2.911-5	2.119-5	1.498-5	1.337-5	1.198-5	9.512-6
18	81	2.478-4	2.268-4	2.021-4	1.933-4	1.849-4	1.691-4	1.480-4	1.390-4	1.292-4	1.059-4
18	82	8.649-5	7.997-5	7.123-5	6.801-5	6.497-5	5.956-5	5.305-5	5.051-5	4.778-5	4.099-5
18	83	1.489-4	1.432-4	1.298-4	1.245-4	1.196-4	1.110-4	1.007-4	9.660-5	9.221-5	8.077-5
18	84	7.840-5	7.110-5	6.011-5	5.644-5	5.323-5	4.820-5	4.343-5	4.190-5	4.036-5	3.618-5
18	85	3.968-4	3.929-4	3.844-4	3.807-4	3.771-4	3.715-4	3.677-4	3.674-4	3.671-4	3.543-4
18	86	2.226-4	2.115-4	1.971-4	1.922-4	1.879-4	1.811-4	1.740-4	1.716-4	1.691-4	1.587-4
18	87	2.708-4	2.709-4	2.642-4	2.605-4	2.569-4	2.509-4	2.458-4	2.445-4	2.435-4	2.334-4
18	88	1.348-5	1.243-5	1.113-5	1.077-5	1.051-5	1.030-5	1.050-5	1.072-5	1.101-5	1.126-5
18	89	6.804-4	6.815-4	6.555-4	6.465-4	6.417-4	6.461-4	6.785-4	6.989-4	7.230-4	7.476-4
18	90	5.351-6	4.490-6	3.206-6	2.799-6	2.455-6	1.941-6	1.505-6	1.386-6	1.281-6	1.081-6
18	91	2.232-6	1.800-6	1.223-6	1.049-6	9.033-7	6.866-7	5.028-7	4.510-7	4.044-7	3.171-7
18	92	9.238-6	7.061-6	4.553-6	3.845-6	3.264-6	2.421-6	1.722-6	1.529-6	1.357-6	1.046-6
18	93	7.960-5	7.778-5	7.348-5	7.168-5	6.999-5	6.709-5	6.396-5	6.287-5	6.171-5	5.740-5
18	94	1.410-4	1.241-4	8.992-5	7.578-5	6.279-5	4.266-5	2.789-5	2.501-5	2.312-5	2.063-5
18	95	7.394-6	6.150-6	4.572-6	4.097-6	3.697-6	3.084-6	2.508-6	2.330-6	2.165-6	1.831-6
18	96	3.592-5	3.482-5	3.315-5	3.279-5	3.268-5	3.310-5	3.486-5	3.593-5	3.719-5	3.849-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
18	97	3.993-5	3.901-5	3.610-5	3.504-5	3.422-5	3.341-5	3.397-5	3.468-5	3.560-5	3.641-5
18	98	7.591-6	6.656-6	5.544-6	5.205-6	4.913-6	4.419-6	3.788-6	3.535-6	3.272-6	2.694-6
18	99	2.990-5	2.908-5	2.770-5	2.736-5	2.717-5	2.717-5	2.786-5	2.834-5	2.891-5	2.910-5
18	100	3.550-5	3.545-5	3.554-5	3.580-5	3.621-5	3.743-5	3.996-5	4.133-5	4.290-5	4.461-5
18	101	6.716-6	5.486-6	3.901-6	3.374-6	2.922-6	2.265-6	1.814-6	1.735-6	1.691-6	1.613-6
18	102	4.996-6	4.598-6	3.798-6	3.501-6	3.231-6	2.779-6	2.277-6	2.098-6	1.920-6	1.549-6
18	103	3.824-5	3.744-5	3.631-5	3.612-5	3.608-5	3.637-5	3.748-5	3.817-5	3.899-5	3.933-5
18	104	4.249-5	3.860-5	2.782-5	2.337-5	1.937-5	1.333-5	8.925-6	8.023-6	7.387-6	6.438-6
18	105	4.069-5	4.050-5	4.014-5	4.023-5	4.048-5	4.141-5	4.366-5	4.495-5	4.648-5	4.799-5
18	106	3.765-5	3.222-5	2.265-5	1.948-5	1.679-5	1.292-5	1.002-5	9.333-6	8.750-6	7.568-6
18	107	2.512-4	2.351-4	1.683-4	1.426-4	1.204-4	8.841-5	6.683-5	6.306-5	6.087-5	5.751-5
18	108	4.550-5	3.719-5	2.585-5	2.231-5	1.938-5	1.529-5	1.258-5	1.210-5	1.181-5	1.118-5
18	109	2.153-4	2.044-4	1.910-4	1.882-4	1.861-4	1.830-4	1.784-4	1.764-4	1.741-4	1.636-4
18	110	2.846-4	2.732-4	2.583-4	2.550-4	2.527-4	2.494-4	2.456-4	2.441-4	2.425-4	2.308-4
18	111	9.749-5	9.159-5	8.232-5	7.997-5	7.821-5	7.578-5	7.346-5	7.275-5	7.206-5	6.840-5
18	112	1.308-4	1.263-4	1.207-4	1.192-4	1.180-4	1.160-4	1.132-4	1.122-4	1.109-4	1.043-4
18	113	2.156-5	1.541-5	8.573-6	6.791-6	5.407-6	3.560-6	2.269-6	1.971-6	1.727-6	1.321-6
18	114	2.572-6	2.048-6	1.466-6	1.311-6	1.186-6	9.977-7	8.033-7	7.347-7	6.664-7	5.252-7
18	115	2.893-6	2.446-6	1.967-6	1.837-6	1.725-6	1.528-6	1.251-6	1.137-6	1.018-6	7.769-7
18	116	2.283-6	1.929-6	1.550-6	1.458-6	1.388-6	1.304-6	1.275-6	1.286-6	1.306-6	1.312-6
18	117	8.550-6	8.158-6	7.831-6	7.776-6	7.748-6	7.763-6	7.935-6	8.064-6	8.223-6	8.268-6
18	118	9.890-6	9.751-6	9.625-6	9.621-6	9.645-6	9.771-6	1.017-5	1.042-5	1.073-5	1.100-5
18	119	1.729-6	1.377-6	1.093-6	1.023-6	9.657-7	8.675-7	7.356-7	6.818-7	6.264-7	5.077-7
18	120	5.344-4	5.306-4	5.231-4	5.201-4	5.171-4	5.111-4	5.004-4	4.943-4	4.859-4	4.485-4
18	121	7.270-6	7.263-6	7.287-6	7.311-6	7.342-6	7.431-6	7.652-6	7.795-6	7.968-6	8.045-6
18	122	2.649-5	2.655-5	2.673-5	2.685-5	2.700-5	2.744-5	2.860-5	2.932-5	3.019-5	3.089-5
18	123	4.536-6	4.505-6	4.493-6	4.495-6	4.502-6	4.528-6	4.624-6	4.695-6	4.786-6	4.815-6
18	124	2.727-6	2.713-6	2.702-6	2.699-6	2.694-6	2.679-6	2.657-6	2.656-6	2.659-6	2.584-6
18	125	6.687-6	6.691-6	6.689-6	6.677-6	6.653-6	6.555-6	6.313-6	6.202-6	6.085-6	5.671-6
19	20	1.122-1	9.599-2	6.902-2	5.850-2	4.872-2	3.275-2	1.922-2	1.588-2	1.317-2	9.021-3
19	21	6.983-3	7.022-3	5.329-3	4.570-3	3.887-3	3.023-3	3.020-3	3.215-3	3.439-3	3.733-3
19	22	3.514-3	3.649-3	2.782-3	2.334-3	1.900-3	1.180-3	5.869-4	4.526-4	3.525-4	2.217-4
19	23	4.604-2	4.229-2	3.105-2	2.627-2	2.170-2	1.398-2	7.293-3	5.707-3	4.484-3	2.795-3
19	24	3.065-1	3.020-1	2.409-1	2.217-1	2.116-1	2.368-1	3.599-1	4.216-1	4.888-1	6.069-1
19	25	1.880-1	1.307-1	8.754-2	7.867-2	7.404-2	8.068-2	1.169-1	1.346-1	1.535-1	1.848-1
19	26	3.042-1	3.041-1	3.075-1	3.132-1	3.292-1	4.179-1	6.374-1	7.321-1	8.285-1	9.781-1
19	27	1.116-2	1.095-2	1.022-2	1.007-2	1.022-2	1.220-2	1.776-2	2.022-2	2.274-2	2.665-2
19	28	2.364-2	2.354-2	2.348-2	2.376-2	2.480-2	3.086-2	4.571-2	5.205-2	5.847-2	6.820-2
19	29	3.789-2	3.262-2	2.492-2	2.174-2	1.860-2	1.316-2	8.424-3	7.286-3	6.394-3	5.031-3
19	30	7.347-3	5.669-3	3.558-3	2.893-3	2.321-3	1.465-3	7.928-4	6.325-4	5.046-4	3.170-4
19	31	1.366-2	1.350-2	1.311-2	1.301-2	1.323-2	1.550-2	2.168-2	2.438-2	2.713-2	3.123-2
19	32	3.456-2	3.356-2	3.224-2	3.188-2	3.166-2	3.175-2	3.247-2	3.272-2	3.289-2	3.198-2
19	33	1.160-2	1.166-2	9.944-3	8.976-3	7.959-3	6.102-3	4.403-3	3.975-3	3.626-3	3.022-3
19	34	3.816-2	3.713-2	3.634-2	3.607-2	3.591-2	3.610-2	3.703-2	3.738-2	3.765-2	3.675-2
19	35	2.285-2	2.316-2	2.326-2	2.306-2	2.284-2	2.259-2	2.263-2	2.265-2	2.263-2	2.179-2
19	36	5.107-3	5.138-3	5.007-3	4.931-3	4.864-3	4.796-3	4.809-3	4.820-3	4.825-3	4.661-3
19	37	4.555-4	4.440-4	3.584-4	3.202-4	2.830-4	2.181-4	1.523-4	1.320-4	1.132-4	7.978-5
19	38	1.062-3	9.884-4	8.725-4	8.105-4	7.443-4	6.152-4	4.590-4	4.032-4	3.487-4	2.460-4
19	39	4.699-3	4.684-3	4.471-3	4.418-3	4.486-3	5.162-3	6.847-3	7.559-3	8.275-3	9.277-3
19	40	1.069-3	9.700-4	7.037-4	5.845-4	4.718-4	2.905-4	1.464-4	1.136-4	8.851-5	5.399-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
19	41	1.959-3	1.801-3	1.521-3	1.390-3	1.260-3	1.027-3	7.765-4	6.927-4	6.124-4	4.592-4
19	42	1.580-3	1.604-3	1.505-3	1.431-3	1.350-3	1.185-3	9.577-4	8.681-4	7.768-4	5.926-4
19	43	4.129-4	3.893-4	2.865-4	2.379-4	1.919-4	1.181-4	5.980-5	4.659-5	3.654-5	2.288-5
19	44	9.578-3	8.504-3	6.511-3	5.627-3	4.783-3	3.401-3	2.225-3	1.921-3	1.661-3	1.219-3
19	45	1.306-2	1.351-2	1.059-2	9.032-3	7.553-3	5.187-3	3.264-3	2.789-3	2.396-3	1.752-3
19	46	4.447-3	3.815-3	2.664-3	2.305-3	2.032-3	1.758-3	1.791-3	1.867-3	1.961-3	2.093-3
19	47	6.685-4	5.701-4	3.819-4	3.092-4	2.442-4	1.454-4	7.122-5	5.485-5	4.248-5	2.570-5
19	48	1.497-2	1.193-2	8.861-3	8.184-3	7.804-3	7.871-3	8.989-3	9.543-3	1.013-2	1.088-2
19	49	1.141-2	7.662-3	4.700-3	4.023-3	3.541-3	3.044-3	2.971-3	3.031-3	3.115-3	3.197-3
19	50	7.730-5	7.111-5	4.993-5	4.109-5	3.305-5	2.059-5	1.092-5	8.740-6	7.090-6	4.823-6
19	51	5.917-4	5.435-4	4.185-4	3.749-4	3.385-4	2.886-4	2.570-4	2.512-4	2.472-4	2.343-4
19	52	1.388-4	1.180-4	7.877-5	6.486-5	5.279-5	3.471-5	2.036-5	1.678-5	1.383-5	9.198-6
19	53	1.328-4	1.242-4	8.609-5	7.120-5	5.814-5	3.874-5	2.432-5	2.109-5	1.858-5	1.468-5
19	54	1.955-4	1.858-4	1.382-4	1.189-4	1.019-4	7.654-5	5.717-5	5.251-5	4.863-5	4.133-5
19	55	4.801-4	3.847-4	2.309-4	1.814-4	1.402-4	8.196-5	4.090-5	3.212-5	2.554-5	1.657-5
19	56	2.013-3	1.785-3	1.308-3	1.162-3	1.056-3	9.682-4	1.017-3	1.062-3	1.114-3	1.182-3
19	57	2.573-4	2.506-4	1.792-4	1.489-4	1.222-4	8.215-5	5.187-5	4.477-5	3.902-5	2.969-5
19	58	2.961-4	2.609-4	1.975-4	1.774-4	1.608-4	1.375-4	1.206-4	1.167-4	1.133-4	1.045-4
19	59	1.756-4	1.347-4	8.587-5	7.181-5	6.025-5	4.347-5	2.971-5	2.595-5	2.262-5	1.678-5
19	60	6.931-4	5.086-4	2.982-4	2.424-4	1.987-4	1.398-4	9.634-5	8.515-5	7.525-5	5.710-5
19	61	1.359-4	9.835-5	5.777-5	4.693-5	3.828-5	2.613-5	1.645-5	1.385-5	1.158-5	7.797-6
19	62	7.919-3	7.378-3	6.906-3	6.908-3	7.050-3	7.717-3	9.019-3	9.566-3	1.013-2	1.082-2
19	63	7.363-5	5.135-5	2.998-5	2.442-5	1.998-5	1.378-5	9.088-6	7.924-6	6.941-6	5.259-6
19	64	2.172-3	2.104-3	2.059-3	2.085-3	2.149-3	2.377-3	2.782-3	2.949-3	3.121-3	3.332-3
19	65	7.230-2	7.230-2	7.333-2	7.492-2	7.765-2	8.616-2	1.006-1	1.065-1	1.125-1	1.197-1
19	66	1.396-4	1.218-4	9.249-5	8.394-5	7.736-5	6.878-5	6.009-5	5.627-5	5.194-5	4.170-5
19	67	1.178-2	1.178-2	1.197-2	1.223-2	1.267-2	1.398-2	1.616-2	1.705-2	1.797-2	1.907-2
19	68	1.022-3	9.859-4	9.397-4	9.234-4	9.070-4	8.702-4	7.968-4	7.573-4	7.095-4	5.844-4
19	69	7.607-5	7.053-5	6.528-5	6.365-5	6.211-5	5.892-5	5.345-5	5.093-5	4.817-5	4.140-5
19	70	1.434-3	1.425-3	1.402-3	1.391-3	1.378-3	1.341-3	1.253-3	1.202-3	1.138-3	9.629-4
19	71	1.762-5	1.428-5	1.034-5	9.099-6	8.026-6	6.388-6	4.931-6	4.493-6	4.082-6	3.268-6
19	72	9.517-6	7.608-6	5.268-6	4.549-6	3.931-6	2.982-6	2.137-6	1.887-6	1.657-6	1.229-6
19	73	1.905-4	1.888-4	1.899-4	1.933-4	1.991-4	2.166-4	2.460-4	2.584-4	2.713-4	2.861-4
19	74	5.001-5	4.491-5	3.687-5	3.419-5	3.190-5	2.834-5	2.448-5	2.302-5	2.148-5	1.789-5
19	75	6.906-5	6.470-5	5.823-5	5.610-5	5.428-5	5.129-5	4.709-5	4.513-5	4.288-5	3.690-5
19	76	1.580-5	1.341-5	1.052-5	9.502-6	8.581-6	7.084-6	5.619-6	5.155-6	4.716-6	3.843-6
19	77	5.591-5	5.142-5	4.479-5	4.296-5	4.167-5	4.000-5	3.674-5	3.475-5	3.233-5	2.631-5
19	78	4.310-5	3.770-5	3.054-5	2.837-5	2.665-5	2.423-5	2.125-5	1.986-5	1.831-5	1.468-5
19	79	3.058-5	2.953-5	2.767-5	2.690-5	2.614-5	2.467-5	2.242-5	2.137-5	2.017-5	1.710-5
19	80	5.768-5	5.497-5	5.128-5	5.073-5	5.073-5	5.118-5	4.886-5	4.666-5	4.378-5	3.621-5
19	81	2.306-4	2.274-4	2.285-4	2.333-4	2.402-4	2.530-4	2.488-4	2.390-4	2.252-4	1.873-4
19	82	1.352-4	1.290-4	1.199-4	1.168-4	1.140-4	1.087-4	1.001-4	9.588-5	9.101-5	7.802-5
19	83	2.227-5	1.994-5	1.605-5	1.475-5	1.363-5	1.182-5	9.677-6	8.829-6	7.945-6	6.083-6
19	84	3.914-5	3.706-5	3.371-5	3.282-5	3.221-5	3.129-5	2.905-5	2.769-5	2.606-5	2.187-5
19	85	1.294-5	1.231-5	1.121-5	1.083-5	1.049-5	9.796-6	8.520-6	7.886-6	7.170-6	5.544-6
19	86	2.280-5	2.126-5	1.827-5	1.726-5	1.638-5	1.489-5	1.285-5	1.196-5	1.099-5	8.748-6
19	87	1.398-5	1.276-5	1.131-5	1.091-5	1.059-5	9.981-6	8.825-6	8.227-6	7.543-6	5.953-6
19	88	2.455-5	2.293-5	2.179-5	2.167-5	2.165-5	2.168-5	2.128-5	2.098-5	2.061-5	1.919-5
19	89	2.165-5	1.844-5	1.515-5	1.425-5	1.349-5	1.224-5	1.062-5	9.910-6	9.126-6	7.295-6
19	90	1.963-5	1.873-5	1.808-5	1.799-5	1.794-5	1.769-5	1.656-5	1.588-5	1.508-5	1.300-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
19	91	3.340-5	3.281-5	3.271-5	3.300-5	3.348-5	3.473-5	3.669-5	3.761-5	3.867-5	3.951-5
19	92	3.841-5	3.748-5	3.701-5	3.705-5	3.713-5	3.696-5	3.530-5	3.428-5	3.312-5	2.979-5
19	93	1.267-5	1.142-5	8.886-6	8.068-6	7.387-6	6.354-6	5.271-6	4.856-6	4.414-6	3.434-6
19	94	2.192-4	2.203-4	2.240-4	2.269-4	2.307-4	2.401-4	2.548-4	2.614-4	2.685-4	2.728-4
19	95	2.279-6	1.910-6	1.477-6	1.356-6	1.254-6	1.086-6	8.766-7	7.949-7	7.116-7	5.429-7
19	96	1.652-5	1.637-5	1.634-5	1.639-5	1.643-5	1.625-5	1.503-5	1.426-5	1.334-5	1.103-5
19	97	5.153-5	5.138-5	5.144-5	5.170-5	5.208-5	5.302-5	5.432-5	5.491-5	5.554-5	5.489-5
19	98	1.573-6	1.402-6	1.183-6	1.118-6	1.060-6	9.484-7	7.673-7	6.877-7	6.043-7	4.361-7
19	99	4.624-6	4.350-6	4.064-6	3.983-6	3.905-6	3.722-6	3.338-6	3.146-6	2.930-6	2.417-6
19	100	8.950-6	8.825-6	8.775-6	8.827-6	8.915-6	9.162-6	9.621-6	9.859-6	1.013-5	1.035-5
19	101	1.157-5	1.158-5	1.172-5	1.186-5	1.205-5	1.253-5	1.339-5	1.384-5	1.434-5	1.485-5
19	102	1.143-6	1.100-6	1.050-6	1.030-6	1.008-6	9.474-7	8.148-7	7.487-7	6.754-7	5.145-7
19	103	6.685-6	6.680-6	6.635-6	6.616-6	6.581-6	6.394-6	5.783-6	5.444-6	5.053-6	4.120-6
19	104	2.769-5	2.760-5	2.764-5	2.782-5	2.809-5	2.881-5	3.014-5	3.083-5	3.163-5	3.212-5
19	105	1.319-5	1.324-5	1.334-5	1.344-5	1.356-5	1.381-5	1.418-5	1.437-5	1.458-5	1.453-5
19	106	3.341-6	3.340-6	3.272-6	3.270-6	3.276-6	3.270-6	3.158-6	3.085-6	2.999-6	2.726-6
19	107	2.339-5	2.326-5	2.260-5	2.224-5	2.185-5	2.090-5	1.896-5	1.792-5	1.668-5	1.354-5
19	108	2.930-6	2.889-6	2.773-6	2.742-6	2.718-6	2.669-6	2.568-6	2.517-6	2.457-6	2.254-6
19	109	2.025-6	1.900-6	1.780-6	1.769-6	1.764-6	1.732-6	1.583-6	1.491-6	1.381-6	1.112-6
19	110	2.985-7	2.640-7	2.139-7	1.976-7	1.832-7	1.578-7	1.241-7	1.106-7	9.685-8	6.968-8
19	111	2.437-6	2.347-6	2.186-6	2.129-6	2.075-6	1.970-6	1.792-6	1.703-6	1.599-6	1.330-6
19	112	1.102-6	1.058-6	9.966-7	9.748-7	9.528-7	9.031-7	8.047-7	7.539-7	6.948-7	5.521-7
19	113	3.761-6	3.673-6	3.514-6	3.454-6	3.398-6	3.301-6	3.171-6	3.111-6	3.036-6	2.765-6
19	114	1.838-7	1.775-7	1.723-7	1.708-7	1.690-7	1.637-7	1.510-7	1.448-7	1.379-7	1.205-7
19	115	7.631-8	6.613-8	5.481-8	5.143-8	4.839-8	4.262-8	3.405-8	3.040-8	2.660-8	1.902-8
19	116	1.667-7	1.612-7	1.545-7	1.528-7	1.515-7	1.506-7	1.535-7	1.563-7	1.600-7	1.625-7
19	117	1.977-7	1.946-7	1.909-7	1.893-7	1.871-7	1.802-7	1.634-7	1.548-7	1.449-7	1.207-7
19	118	1.378-7	1.348-7	1.307-7	1.293-7	1.281-7	1.259-7	1.225-7	1.209-7	1.191-7	1.111-7
19	119	2.328-7	2.254-7	2.151-7	2.107-7	2.055-7	1.915-7	1.621-7	1.478-7	1.321-7	9.848-8
19	120	8.929-7	8.769-7	8.456-7	8.325-7	8.183-7	7.832-7	7.069-7	6.657-7	6.169-7	4.959-7
19	121	4.540-7	4.525-7	4.495-7	4.482-7	4.469-7	4.436-7	4.366-7	4.332-7	4.291-7	4.055-7
19	122	1.640-7	1.627-7	1.609-7	1.602-7	1.595-7	1.574-7	1.534-7	1.516-7	1.496-7	1.404-7
19	123	1.052-7	1.031-7	9.988-8	9.820-8	9.605-8	8.968-8	7.552-8	6.859-8	6.103-8	4.508-8
19	124	4.963-7	4.966-7	4.961-7	4.958-7	4.952-7	4.936-7	4.926-7	4.941-7	4.967-7	4.856-7
19	125	7.669-8	7.617-8	7.450-8	7.339-8	7.188-8	6.724-8	5.680-8	5.166-8	4.605-8	3.418-8
20	21	1.033-2	1.118-2	9.075-3	7.788-3	6.497-3	4.403-3	3.029-3	2.799-3	2.641-3	2.369-3
20	22	3.818-2	3.954-2	3.100-2	2.702-2	2.371-2	2.155-2	2.869-2	3.258-2	3.627-2	4.070-2
20	23	7.526-2	6.806-2	4.871-2	4.064-2	3.303-2	2.055-2	1.029-2	7.935-3	6.159-3	3.790-3
20	24	7.704-2	7.178-2	4.812-2	4.029-2	3.439-2	3.027-2	3.941-2	4.581-2	5.352-2	6.869-2
20	25	5.452-1	4.106-1	3.007-1	2.786-1	2.708-1	3.175-1	4.962-1	5.831-1	6.775-1	8.435-1
20	26	4.035-2	3.353-2	2.449-2	2.175-2	1.983-2	1.954-2	2.530-2	2.841-2	3.180-2	3.742-2
20	27	1.781-1	1.711-1	1.650-1	1.659-1	1.731-1	2.204-1	3.423-1	3.958-1	4.511-1	5.402-1
20	28	2.594-2	2.337-2	2.005-2	1.919-2	1.898-2	2.160-2	3.022-2	3.410-2	3.811-2	4.434-2
20	29	6.440-2	6.419-2	5.620-2	5.106-2	4.536-2	3.431-2	2.340-2	2.046-2	1.799-2	1.381-2
20	30	5.770-1	5.728-1	5.718-1	5.807-1	6.103-1	7.776-1	1.185-0	1.360-0	1.539-0	1.818-0
20	31	1.282-1	1.263-1	1.240-1	1.249-1	1.300-1	1.619-1	2.400-1	2.733-1	3.072-1	3.591-1
20	32	1.036-2	8.819-3	6.704-3	6.067-3	5.541-3	4.822-3	4.356-3	4.259-3	4.181-3	3.939-3
20	33	5.104-2	4.695-2	3.550-2	3.024-2	2.515-2	1.666-2	9.609-3	7.964-3	6.691-3	4.841-3
20	34	2.853-2	2.490-2	2.170-2	2.068-2	1.978-2	1.854-2	1.778-2	1.762-2	1.747-2	1.665-2
20	35	3.283-2	3.313-2	3.304-2	3.239-2	3.166-2	3.060-2	3.020-2	3.019-2	3.018-2	2.916-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
20	36	3.543-2	3.643-2	3.650-2	3.589-2	3.523-2	3.438-2	3.427-2	3.435-2	3.442-2	3.336-2
20	37	1.908-2	1.899-2	1.877-2	1.871-2	1.872-2	1.898-2	1.961-2	1.982-2	1.999-2	1.954-2
20	38	7.677-2	7.703-2	7.599-2	7.488-2	7.385-2	7.294-2	7.360-2	7.400-2	7.431-2	7.222-2
20	39	5.184-3	4.967-3	4.369-3	4.171-3	4.098-3	4.484-3	5.785-3	6.364-3	6.957-3	7.803-3
20	40	1.735-2	1.704-2	1.581-2	1.556-2	1.581-2	1.832-2	2.451-2	2.712-2	2.974-2	3.344-2
20	41	9.892-3	9.418-3	8.000-3	7.271-3	6.516-3	5.127-3	3.686-3	3.242-3	2.836-3	2.103-3
20	42	1.584-2	1.782-2	1.705-2	1.618-2	1.530-2	1.383-2	1.247-2	1.204-2	1.163-2	1.056-2
20	43	3.028-3	2.639-3	1.882-3	1.593-3	1.332-3	9.270-4	5.961-4	5.117-4	4.398-4	3.186-4
20	44	1.680-2	1.421-2	1.119-2	9.920-3	8.663-3	6.490-3	4.559-3	4.060-3	3.639-3	2.903-3
20	45	2.833-2	2.984-2	2.575-2	2.266-2	1.931-2	1.328-2	7.961-3	6.669-3	5.642-3	4.086-3
20	46	1.304-2	1.263-2	1.065-2	1.008-2	9.840-3	1.054-2	1.306-2	1.419-2	1.536-2	1.697-2
20	47	3.522-3	2.597-3	1.601-3	1.301-3	1.050-3	6.939-4	4.518-4	4.044-4	3.717-4	3.253-4
20	48	3.808-2	3.421-2	3.049-2	2.999-2	3.028-2	3.336-2	4.058-2	4.366-2	4.680-2	5.095-2
20	49	5.583-2	4.695-2	4.087-2	4.020-2	4.069-2	4.529-2	5.571-2	6.009-2	6.455-2	7.046-2
20	50	3.737-4	3.910-4	3.065-4	2.619-4	2.189-4	1.479-4	8.672-5	7.107-5	5.813-5	3.818-5
20	51	5.983-4	6.097-4	4.508-4	3.763-4	3.078-4	2.009-4	1.150-4	9.404-5	7.709-5	5.130-5
20	52	1.934-3	1.958-3	1.691-3	1.564-3	1.449-3	1.281-3	1.166-3	1.144-3	1.128-3	1.070-3
20	53	4.408-4	4.424-4	3.353-4	2.872-4	2.431-4	1.740-4	1.176-4	1.035-4	9.173-5	7.184-5
20	54	1.208-4	1.197-4	9.079-5	7.709-5	6.421-5	4.351-5	2.624-5	2.188-5	1.826-5	1.254-5
20	55	3.214-3	2.996-3	2.494-3	2.356-3	2.281-3	2.324-3	2.627-3	2.775-3	2.933-3	3.130-3
20	56	3.761-3	3.318-3	2.250-3	1.905-3	1.634-3	1.319-3	1.217-3	1.233-3	1.266-3	1.309-3
20	57	8.521-4	7.179-4	5.071-4	4.395-4	3.844-4	3.098-4	2.523-4	2.349-4	2.177-4	1.803-4
20	58	1.253-3	1.004-3	7.130-4	6.324-4	5.684-4	4.829-4	4.283-4	4.178-4	4.099-4	3.861-4
20	59	5.895-4	5.445-4	4.443-4	4.004-4	3.595-4	2.939-4	2.384-4	2.239-4	2.113-4	1.855-4
20	60	4.483-3	3.792-3	2.977-3	2.788-3	2.684-3	2.707-3	3.014-3	3.167-3	3.330-3	3.525-3
20	61	1.477-3	1.138-3	7.411-4	6.295-4	5.388-4	4.096-4	3.059-4	2.779-4	2.534-4	2.078-4
20	62	2.140-3	1.629-3	1.033-3	8.726-4	7.473-4	5.812-4	4.652-4	4.368-4	4.119-4	3.588-4
20	63	1.626-4	1.263-4	8.314-5	7.079-5	6.060-5	4.549-5	3.210-5	2.809-5	2.440-5	1.772-5
20	64	1.317-2	1.305-2	1.312-2	1.342-2	1.397-2	1.576-2	1.880-2	2.002-2	2.127-2	2.284-2
20	65	2.763-2	2.703-2	2.675-2	2.719-2	2.809-2	3.114-2	3.641-2	3.856-2	4.076-2	4.340-2
20	66	1.445-3	1.373-3	1.020-3	8.903-4	7.820-4	6.296-4	5.063-4	4.690-4	4.327-4	3.552-4
20	67	3.861-3	3.680-3	3.476-3	3.452-3	3.468-3	3.597-3	3.841-3	3.935-3	4.025-3	4.039-3
20	68	9.866-2	9.851-2	1.000-1	1.023-1	1.061-1	1.173-1	1.358-1	1.434-1	1.511-1	1.601-1
20	69	1.521-4	1.322-4	1.100-4	1.026-4	9.594-5	8.463-5	7.206-5	6.760-5	6.315-5	5.338-5
20	70	1.719-2	1.720-2	1.749-2	1.788-2	1.848-2	2.023-2	2.303-2	2.417-2	2.533-2	2.660-2
20	71	6.283-5	5.807-5	4.585-5	4.059-5	3.561-5	2.737-5	1.981-5	1.765-5	1.571-5	1.217-5
20	72	9.936-5	9.738-5	7.661-5	6.659-5	5.711-5	4.182-5	2.900-5	2.572-5	2.295-5	1.813-5
20	73	2.328-4	1.965-4	1.649-4	1.591-4	1.567-4	1.590-4	1.693-4	1.745-4	1.801-4	1.849-4
20	74	5.047-5	4.499-5	3.752-5	3.517-5	3.328-5	3.056-5	2.738-5	2.592-5	2.424-5	2.009-5
20	75	3.973-5	3.322-5	2.458-5	2.167-5	1.914-5	1.528-5	1.179-5	1.072-5	9.718-6	7.747-6
20	76	8.354-5	7.429-5	6.026-5	5.492-5	5.004-5	4.212-5	3.471-5	3.247-5	3.038-5	2.593-5
20	77	8.366-5	7.701-5	6.444-5	5.989-5	5.596-5	5.000-5	4.374-5	4.133-5	3.875-5	3.262-5
20	78	1.885-4	1.784-4	1.613-4	1.550-4	1.493-4	1.400-4	1.283-4	1.233-4	1.177-4	1.025-4
20	79	2.250-3	2.252-3	2.299-3	2.354-3	2.438-3	2.669-3	3.043-3	3.199-3	3.363-3	3.554-3
20	80	1.372-4	1.253-4	9.971-5	9.129-5	8.446-5	7.459-5	6.382-5	5.938-5	5.454-5	4.356-5
20	81	2.526-4	2.109-4	1.669-4	1.564-4	1.493-4	1.405-4	1.275-4	1.203-4	1.117-4	9.066-5
20	82	5.507-5	4.975-5	4.049-5	3.743-5	3.489-5	3.107-5	2.668-5	2.484-5	2.283-5	1.825-5
20	83	2.059-4	1.932-4	1.591-4	1.464-4	1.354-4	1.183-4	1.012-4	9.503-5	8.863-5	7.368-5
20	84	2.374-4	2.185-4	1.915-4	1.832-4	1.763-4	1.651-4	1.493-4	1.419-4	1.334-4	1.119-4
20	85	4.085-4	4.037-4	4.064-4	4.133-4	4.227-4	4.387-4	4.278-4	4.121-4	3.909-4	3.316-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
20	86	6.011-5	5.452-5	4.426-5	4.076-5	3.775-5	3.304-5	2.818-5	2.646-5	2.471-5	2.073-5
20	87	6.550-5	5.799-5	4.888-5	4.608-5	4.368-5	3.979-5	3.519-5	3.340-5	3.151-5	2.697-5
20	88	2.408-5	2.020-5	1.652-5	1.558-5	1.480-5	1.353-5	1.182-5	1.108-5	1.028-5	8.439-6
20	89	3.534-3	3.550-3	3.636-3	3.703-3	3.793-3	4.013-3	4.356-3	4.508-3	4.671-3	4.820-3
20	90	2.716-5	2.420-5	2.124-5	2.059-5	2.016-5	1.973-5	1.954-5	1.955-5	1.960-5	1.913-5
20	91	8.665-6	7.734-6	6.813-6	6.595-6	6.431-6	6.167-6	5.729-6	5.520-6	5.288-6	4.673-6
20	92	2.090-5	1.840-5	1.597-5	1.536-5	1.488-5	1.402-5	1.257-5	1.189-5	1.114-5	9.355-6
20	93	2.876-5	2.619-5	2.000-5	1.793-5	1.618-5	1.357-5	1.110-5	1.027-5	9.438-6	7.660-6
20	94	4.602-4	4.604-4	4.634-4	4.671-4	4.723-4	4.851-4	5.025-4	5.095-4	5.166-4	5.112-4
20	95	2.799-5	2.638-5	2.475-5	2.441-5	2.416-5	2.358-5	2.196-5	2.106-5	2.005-5	1.742-5
20	96	2.805-4	2.828-4	2.905-4	2.963-4	3.037-4	3.219-4	3.520-4	3.661-4	3.817-4	3.990-4
20	97	2.055-5	1.941-5	1.772-5	1.715-5	1.662-5	1.559-5	1.388-5	1.306-5	1.213-5	9.871-6
20	98	3.825-5	3.776-5	3.737-5	3.739-5	3.743-5	3.714-5	3.524-5	3.415-5	3.292-5	2.951-5
20	99	5.493-5	5.444-5	5.431-5	5.463-5	5.512-5	5.616-5	5.711-5	5.742-5	5.771-5	5.629-5
20	100	3.381-5	3.345-5	3.345-5	3.373-5	3.412-5	3.498-5	3.597-5	3.638-5	3.683-5	3.648-5
20	101	7.047-5	7.093-5	7.219-5	7.325-5	7.464-5	7.804-5	8.382-5	8.670-5	8.998-5	9.347-5
20	102	1.430-5	1.435-5	1.431-5	1.431-5	1.429-5	1.401-5	1.281-5	1.210-5	1.128-5	9.259-6
20	103	3.413-5	3.400-5	3.390-5	3.399-5	3.414-5	3.441-5	3.454-5	3.456-5	3.458-5	3.343-5
20	104	6.563-5	6.468-5	6.366-5	6.357-5	6.364-5	6.394-5	6.431-5	6.449-5	6.467-5	6.273-5
20	105	1.403-5	1.374-5	1.341-5	1.333-5	1.326-5	1.309-5	1.273-5	1.257-5	1.243-5	1.178-5
20	106	1.296-5	1.218-5	1.049-5	9.876-6	9.323-6	8.411-6	7.378-6	6.982-6	6.559-6	5.529-6
20	107	1.248-4	1.237-4	1.193-4	1.177-4	1.162-4	1.133-4	1.087-4	1.064-4	1.037-4	9.435-5
20	108	1.237-5	1.181-5	1.078-5	1.048-5	1.023-5	9.787-6	9.078-6	8.744-6	8.368-6	7.354-6
20	109	2.537-5	2.354-5	2.175-5	2.145-5	2.125-5	2.080-5	1.953-5	1.883-5	1.802-5	1.582-5
20	110	1.371-5	1.245-5	1.100-5	1.064-5	1.036-5	9.904-6	9.281-6	9.007-6	8.702-6	7.815-6
20	111	1.034-5	9.434-6	8.382-6	8.110-6	7.889-6	7.513-6	6.939-6	6.673-6	6.372-6	5.567-6
20	112	1.196-5	1.142-5	1.044-5	1.013-5	9.859-6	9.370-6	8.671-6	8.371-6	8.044-6	7.143-6
20	113	3.148-6	2.641-6	2.090-6	1.940-6	1.816-6	1.623-6	1.404-6	1.318-6	1.226-6	1.010-6
20	114	2.223-6	2.074-6	1.916-6	1.871-6	1.828-6	1.732-6	1.551-6	1.464-6	1.370-6	1.144-6
20	115	1.975-6	1.849-6	1.709-6	1.669-6	1.633-6	1.557-6	1.425-6	1.365-6	1.301-6	1.138-6
20	116	1.211-6	1.148-6	1.077-6	1.058-6	1.043-6	1.020-6	9.937-7	9.873-7	9.828-7	9.450-7
20	117	1.677-6	1.588-6	1.499-6	1.475-6	1.454-6	1.410-6	1.333-6	1.298-6	1.259-6	1.142-6
20	118	2.180-6	2.162-6	2.152-6	2.157-6	2.167-6	2.203-6	2.301-6	2.362-6	2.437-6	2.506-6
20	119	1.601-6	1.522-6	1.430-6	1.398-6	1.362-6	1.274-6	1.097-6	1.012-6	9.209-7	7.211-7
20	120	3.134-5	3.109-5	3.057-5	3.036-5	3.015-5	2.970-5	2.889-5	2.844-5	2.786-5	2.554-5
20	121	4.263-6	4.255-6	4.267-6	4.280-6	4.300-6	4.355-6	4.486-6	4.567-6	4.664-6	4.696-6
20	122	1.112-6	1.097-6	1.080-6	1.074-6	1.067-6	1.053-6	1.031-6	1.024-6	1.017-6	9.692-7
20	123	9.813-6	9.848-6	9.946-6	9.993-6	1.005-5	1.021-5	1.063-5	1.088-5	1.119-5	1.142-5
20	124	3.961-7	3.926-7	3.848-7	3.798-7	3.730-7	3.524-7	3.056-7	2.822-7	2.564-7	1.997-7
20	125	9.184-7	9.164-7	9.093-7	9.039-7	8.959-7	8.689-7	8.067-7	7.773-7	7.453-7	6.605-7
21	22	1.143-1	1.117-1	9.530-2	8.815-2	8.105-2	6.794-2	5.370-2	4.927-2	4.536-2	3.846-2
21	23	2.061-2	2.030-2	1.700-2	1.573-2	1.503-2	1.797-2	3.237-2	3.846-2	4.375-2	4.949-2
21	24	9.849-3	8.083-3	5.918-3	5.142-3	4.357-3	2.868-3	1.418-3	1.061-3	7.882-4	4.307-4
21	25	2.820-2	2.294-2	1.683-2	1.448-2	1.212-2	7.840-3	3.933-3	3.005-3	2.303-3	1.384-3
21	26	3.682-3	3.329-3	2.387-3	2.006-3	1.640-3	1.017-3	4.858-4	3.638-4	2.726-4	1.553-4
21	27	6.313-3	5.675-3	3.981-3	3.306-3	2.676-3	1.652-3	8.250-4	6.402-4	5.028-4	3.232-4
21	28	3.749-3	3.270-3	2.271-3	1.868-3	1.498-3	9.194-4	4.726-4	3.755-4	3.041-4	2.108-4
21	29	3.319-3	2.975-3	2.261-3	1.918-3	1.570-3	9.648-4	4.550-4	3.408-4	2.569-4	1.515-4
21	30	4.244-3	3.674-3	2.576-3	2.154-3	1.760-3	1.109-3	5.668-4	4.411-4	3.458-4	2.181-4
21	31	7.792-3	6.924-3	5.025-3	4.221-3	3.452-3	2.177-3	1.130-3	8.949-4	7.195-4	4.875-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
21	32	1.121-2	1.110-2	1.038-2	9.951-3	9.548-3	9.218-3	9.916-3	1.038-2	1.089-2	1.155-2
21	33	9.006-3	8.411-3	6.256-3	5.264-3	4.308-3	2.749-3	1.543-3	1.291-3	1.115-3	8.940-4
21	34	1.531-2	1.223-2	9.508-3	8.672-3	7.944-3	6.942-3	6.491-3	6.493-3	6.547-3	6.516-3
21	35	8.606-3	8.273-3	7.637-3	7.334-3	7.087-3	7.001-3	7.706-3	8.112-3	8.554-3	9.128-3
21	36	1.953-2	1.948-2	1.848-2	1.809-2	1.804-2	1.964-2	2.448-2	2.664-2	2.886-2	3.196-2
21	37	1.151-2	1.133-2	1.043-2	1.012-2	9.997-3	1.063-2	1.284-2	1.385-2	1.489-2	1.632-2
21	38	1.862-3	1.706-3	1.365-3	1.190-3	1.009-3	6.878-4	4.042-4	3.348-4	2.796-4	1.961-4
21	39	5.872-3	5.420-3	4.277-3	3.665-3	3.022-3	1.871-3	8.756-4	6.476-4	4.773-4	2.588-4
21	40	7.166-3	6.775-3	5.237-3	4.433-3	3.623-3	2.231-3	1.067-3	8.022-4	6.036-4	3.441-4
21	41	5.996-3	6.318-3	5.683-3	5.257-3	4.855-3	4.348-3	4.308-3	4.409-3	4.544-3	4.689-3
21	42	6.773-3	6.824-3	6.233-3	5.905-3	5.631-3	5.435-3	5.840-3	6.113-3	6.419-3	6.816-3
21	43	6.353-4	5.899-4	4.321-4	3.576-4	2.861-4	1.698-4	7.751-5	5.715-5	4.208-5	2.285-5
21	44	7.780-3	6.273-3	4.392-3	3.644-3	2.931-3	1.764-3	8.345-4	6.301-4	4.799-4	2.890-4
21	45	2.286-2	1.876-2	1.347-2	1.125-2	9.108-3	5.588-3	2.810-3	2.214-3	1.785-3	1.248-3
21	46	1.318-3	1.181-3	8.557-4	7.079-4	5.662-4	3.352-4	1.518-4	1.115-4	8.172-5	4.405-5
21	47	1.718-3	1.466-3	9.860-4	7.987-4	6.287-4	3.655-4	1.649-4	1.213-4	8.916-5	4.820-5
21	48	8.695-4	7.318-4	4.870-4	3.932-4	3.088-4	1.795-4	8.224-5	6.134-5	4.600-5	2.647-5
21	49	1.508-3	1.350-3	9.343-4	7.622-4	6.042-4	3.585-4	1.718-4	1.316-4	1.021-4	6.431-5
21	50	1.633-4	1.435-4	1.005-4	8.263-5	6.592-5	3.905-5	1.771-5	1.297-5	9.467-6	4.998-6
21	51	8.374-3	8.331-3	6.920-3	6.295-3	5.724-3	4.807-3	3.934-3	3.645-3	3.352-3	2.701-3
21	52	5.432-3	5.276-3	4.497-3	4.150-3	3.826-3	3.287-3	2.740-3	2.548-3	2.350-3	1.899-3
21	53	7.276-3	6.993-3	5.759-3	5.269-3	4.848-3	4.256-3	3.825-3	3.707-3	3.591-3	3.261-3
21	54	3.432-3	3.338-3	2.685-3	2.406-3	2.155-3	1.763-3	1.412-3	1.304-3	1.198-3	9.679-4
21	55	1.230-2	1.036-2	6.866-3	5.530-3	4.342-3	2.552-3	1.229-3	9.452-4	7.354-4	4.605-4
21	56	2.053-2	1.900-2	1.306-2	1.055-2	8.284-3	4.838-3	2.269-3	1.714-3	1.304-3	7.682-4
21	57	2.772-3	2.575-3	2.175-3	2.034-3	1.938-3	1.903-3	2.084-3	2.190-3	2.307-3	2.459-3
21	58	2.597-3	2.149-3	1.445-3	1.217-3	1.030-3	7.829-4	6.461-4	6.294-4	6.240-4	6.118-4
21	59	1.127-2	1.063-2	1.004-2	1.006-2	1.032-2	1.148-2	1.372-2	1.465-2	1.559-2	1.679-2
21	60	5.003-3	4.213-3	2.615-3	2.065-3	1.601-3	9.333-4	4.542-4	3.504-4	2.726-4	1.681-4
21	61	5.333-3	4.626-3	3.694-3	3.393-3	3.135-3	2.731-3	2.320-3	2.170-3	2.009-3	1.632-3
21	62	4.366-3	3.747-3	2.367-3	1.877-3	1.460-3	8.603-4	4.333-4	3.425-4	2.753-4	1.850-4
21	63	1.441-3	1.261-3	1.016-3	9.595-4	9.303-4	9.451-4	1.050-3	1.103-3	1.159-3	1.227-3
21	64	2.940-3	2.342-3	1.358-3	1.052-3	8.026-4	4.564-4	2.168-4	1.661-4	1.283-4	7.804-5
21	65	1.633-3	1.299-3	7.575-4	5.862-4	4.451-4	2.476-4	1.113-4	8.318-5	6.278-5	3.699-5
21	66	5.384-4	4.983-4	3.463-4	2.940-4	2.524-4	2.013-4	1.795-4	1.796-4	1.824-4	1.859-4
21	67	1.015-3	6.956-4	3.583-4	2.709-4	2.029-4	1.127-4	5.278-5	4.050-5	3.153-5	1.986-5
21	68	4.261-4	3.274-4	1.960-4	1.545-4	1.192-4	6.795-5	3.074-5	2.280-5	1.695-5	9.481-6
21	69	1.739-1	1.732-1	1.761-1	1.804-1	1.873-1	2.072-1	2.397-1	2.530-1	2.668-1	2.829-1
21	70	8.557-4	6.339-4	3.711-4	2.927-4	2.279-4	1.360-4	7.082-5	5.696-5	4.667-5	3.265-5
21	71	1.384-1	1.382-1	1.410-1	1.447-1	1.506-1	1.674-1	1.943-1	2.052-1	2.165-1	2.300-1
21	72	8.024-4	5.376-4	3.131-4	2.592-4	2.171-4	1.579-4	1.084-4	9.435-5	8.175-5	5.965-5
21	73	8.170-4	6.943-4	5.916-4	5.652-4	5.438-4	5.118-4	4.782-4	4.650-4	4.502-4	4.054-4
21	74	4.169-2	4.169-2	4.265-2	4.381-2	4.559-2	5.060-2	5.848-2	6.170-2	6.506-2	6.908-2
21	75	4.325-2	4.336-2	4.445-2	4.568-2	4.754-2	5.271-2	6.084-2	6.416-2	6.763-2	7.176-2
21	76	3.920-4	3.279-4	2.738-4	2.578-4	2.434-4	2.194-4	1.965-4	1.900-4	1.841-4	1.685-4
21	77	2.627-3	2.589-3	2.603-3	2.657-3	2.748-3	3.016-3	3.451-3	3.632-3	3.822-3	4.048-3
21	78	1.155-2	1.155-2	1.182-2	1.213-2	1.260-2	1.390-2	1.593-2	1.677-2	1.765-2	1.868-2
21	79	4.932-5	4.205-5	3.170-5	2.778-5	2.420-5	1.853-5	1.374-5	1.248-5	1.139-5	9.344-6
21	80	4.348-3	4.324-3	4.374-3	4.459-3	4.593-3	4.974-3	5.602-3	5.869-3	6.150-3	6.469-3
21	81	5.559-5	5.025-5	3.516-5	2.948-5	2.460-5	1.764-5	1.308-5	1.230-5	1.186-5	1.122-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
21	82	1.996-5	1.717-5	1.106-5	8.846-6	6.932-6	4.129-6	2.119-6	1.704-6	1.409-6	1.033-6
21	83	5.954-5	5.111-5	3.694-5	3.236-5	2.863-5	2.368-5	2.105-5	2.088-5	2.101-5	2.104-5
21	84	1.956-4	1.785-4	1.514-4	1.437-4	1.385-4	1.347-4	1.393-4	1.433-4	1.481-4	1.534-4
21	85	5.788-5	4.691-5	2.873-5	2.283-5	1.788-5	1.076-5	5.515-6	4.324-6	3.402-6	2.106-6
21	86	6.860-5	6.228-5	5.041-5	4.666-5	4.376-5	4.047-5	3.997-5	4.067-5	4.172-5	4.277-5
21	87	4.313-4	4.273-4	4.220-4	4.245-4	4.304-4	4.503-4	4.889-4	5.075-4	5.279-4	5.497-4
21	88	1.473-4	1.372-4	1.243-4	1.193-4	1.143-4	1.044-4	9.055-5	8.460-5	7.801-5	6.256-5
21	89	1.039-4	9.326-5	6.538-5	5.376-5	4.306-5	2.632-5	1.348-5	1.070-5	8.656-6	5.980-6
21	90	2.317-4	2.254-4	2.122-4	2.068-4	2.014-4	1.909-4	1.768-4	1.710-4	1.646-4	1.464-4
21	91	6.702-5	6.651-5	6.276-5	6.067-5	5.836-5	5.343-5	4.626-5	4.317-5	3.978-5	3.184-5
21	92	4.389-5	3.711-5	2.894-5	2.650-5	2.443-5	2.137-5	1.894-5	1.833-5	1.780-5	1.641-5
21	93	6.113-5	5.894-5	5.678-5	5.671-5	5.710-5	5.896-5	6.299-5	6.508-5	6.746-5	6.991-5
21	94	1.127-4	1.027-4	7.363-5	6.131-5	5.002-5	3.250-5	1.914-5	1.623-5	1.406-5	1.095-5
21	95	2.873-4	2.824-4	2.737-4	2.703-4	2.672-4	2.620-4	2.574-4	2.564-4	2.555-4	2.455-4
21	96	6.408-5	6.182-5	5.745-5	5.589-5	5.453-5	5.249-5	5.085-5	5.048-5	5.017-5	4.801-5
21	97	4.528-5	4.259-5	3.668-5	3.431-5	3.212-5	2.855-5	2.542-5	2.458-5	2.382-5	2.181-5
21	98	1.403-5	1.077-5	6.943-6	5.800-6	4.828-6	3.339-6	2.014-6	1.645-6	1.329-6	8.352-7
21	99	1.711-4	1.670-4	1.607-4	1.583-4	1.561-4	1.520-4	1.466-4	1.444-4	1.420-4	1.325-4
21	100	1.867-4	1.844-4	1.807-4	1.792-4	1.778-4	1.751-4	1.711-4	1.695-4	1.677-4	1.586-4
21	101	9.404-5	9.253-5	9.052-5	8.965-5	8.876-5	8.696-5	8.439-5	8.339-5	8.234-5	7.755-5
21	102	8.484-5	8.502-5	8.313-5	8.218-5	8.127-5	7.982-5	7.919-5	7.948-5	8.001-5	7.864-5
21	103	7.108-5	7.137-5	6.855-5	6.687-5	6.506-5	6.142-5	5.650-5	5.448-5	5.226-5	4.619-5
21	104	2.337-5	2.371-5	2.027-5	1.846-5	1.669-5	1.375-5	1.120-5	1.052-5	9.944-6	8.727-6
21	105	2.805-5	2.750-5	2.610-5	2.550-5	2.495-5	2.402-5	2.315-5	2.290-5	2.263-5	2.135-5
21	106	1.412-4	1.378-4	1.167-4	1.076-4	9.979-5	8.885-5	8.357-5	8.390-5	8.516-5	8.604-5
21	107	2.277-5	1.866-5	1.280-5	1.052-5	8.393-6	5.017-6	2.378-6	1.798-6	1.370-6	8.162-7
21	108	4.259-4	4.008-4	3.336-4	3.124-4	2.957-4	2.759-4	2.719-4	2.760-4	2.824-4	2.877-4
21	109	9.129-5	7.781-5	6.091-5	5.609-5	5.230-5	4.755-5	4.583-5	4.627-5	4.714-5	4.777-5
21	110	3.121-5	2.501-5	1.517-5	1.197-5	9.293-6	5.465-6	2.684-6	2.064-6	1.589-6	9.387-7
21	111	3.290-5	2.873-5	1.853-5	1.483-5	1.164-5	6.995-6	3.692-6	3.010-6	2.522-6	1.886-6
21	112	2.174-5	1.882-5	1.395-5	1.244-5	1.120-5	9.532-6	8.597-6	8.531-6	8.579-6	8.556-6
21	113	1.476-4	1.354-4	1.036-4	8.936-5	7.627-5	5.626-5	4.219-5	3.973-5	3.833-5	3.630-5
21	114	1.026-5	7.359-6	4.387-6	3.600-6	2.976-6	2.111-6	1.466-6	1.313-6	1.193-6	9.957-7
21	115	1.180-5	8.519-6	5.237-6	4.365-6	3.657-6	2.598-6	1.617-6	1.327-6	1.072-6	6.658-7
21	116	1.460-4	1.462-4	1.470-4	1.471-4	1.469-4	1.459-4	1.430-4	1.417-4	1.401-4	1.320-4
21	117	1.523-4	1.495-4	1.478-4	1.473-4	1.467-4	1.451-4	1.419-4	1.405-4	1.390-4	1.312-4
21	118	3.292-5	3.288-5	3.313-5	3.319-5	3.318-5	3.287-5	3.188-5	3.141-5	3.088-5	2.881-5
21	119	1.971-4	1.951-4	1.914-4	1.899-4	1.882-4	1.850-4	1.804-4	1.786-4	1.767-4	1.669-4
21	120	4.341-5	4.332-5	3.315-5	2.878-5	2.494-5	1.937-5	1.573-5	1.518-5	1.494-5	1.452-5
21	121	3.893-5	3.926-5	3.878-5	3.850-5	3.818-5	3.742-5	3.612-5	3.560-5	3.506-5	3.285-5
21	122	3.682-5	3.636-5	3.530-5	3.491-5	3.455-5	3.385-5	3.275-5	3.223-5	3.158-5	2.906-5
21	123	1.981-5	1.894-5	1.755-5	1.710-5	1.670-5	1.596-5	1.488-5	1.441-5	1.390-5	1.242-5
21	124	4.678-4	4.677-4	4.660-4	4.650-4	4.638-4	4.605-4	4.520-4	4.467-4	4.392-4	4.052-4
21	125	6.735-6	6.698-6	6.575-6	6.497-6	6.395-6	6.107-6	5.547-6	5.304-6	5.054-6	4.447-6
22	23	7.943-3	7.170-3	5.286-3	4.460-3	3.656-3	2.294-3	1.144-3	8.790-4	6.791-4	4.152-4
22	24	3.000-3	2.691-3	2.019-3	1.746-3	1.468-3	9.511-4	4.615-4	3.433-4	2.540-4	1.391-4
22	25	2.104-2	1.528-2	1.054-2	8.978-3	7.462-3	4.763-3	2.310-3	1.724-3	1.280-3	6.996-4
22	26	4.996-3	4.630-3	3.346-3	2.789-3	2.259-3	1.381-3	6.572-4	4.930-4	3.699-4	2.098-4
22	27	1.519-3	1.544-3	1.205-3	1.022-3	8.365-4	5.164-4	2.437-4	1.810-4	1.338-4	7.266-5
22	28	2.775-3	2.429-3	1.695-3	1.399-3	1.123-3	6.784-4	3.210-4	2.409-4	1.810-4	1.030-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
22	29	1.048-2	9.405-3	7.027-3	5.920-3	4.833-3	3.020-3	1.582-3	1.279-3	1.065-3	8.057-4
22	30	1.881-2	1.529-2	1.022-2	8.430-3	6.791-3	4.148-3	1.994-3	1.506-3	1.139-3	6.609-4
22	31	1.229-2	1.071-2	7.565-3	6.281-3	5.075-3	3.113-3	1.531-3	1.178-3	9.149-4	5.722-4
22	32	2.016-3	2.164-3	2.100-3	1.913-3	1.662-3	1.125-3	6.079-4	4.874-4	3.986-4	2.847-4
22	33	1.690-2	1.755-2	1.470-2	1.314-2	1.172-2	1.011-2	1.054-2	1.117-2	1.197-2	1.329-2
22	34	1.431-2	1.229-2	9.677-3	8.603-3	7.540-3	5.767-3	4.405-3	4.121-3	3.916-3	3.556-3
22	35	2.256-2	2.009-2	1.761-2	1.671-2	1.605-2	1.601-2	1.829-2	1.950-2	2.080-2	2.258-2
22	36	9.356-3	8.722-3	7.746-3	7.362-3	7.095-3	7.187-3	8.385-3	8.994-3	9.641-3	1.055-2
22	37	9.081-4	8.123-4	6.184-4	5.256-4	4.322-4	2.707-4	1.337-4	1.020-4	7.795-5	4.583-5
22	38	2.721-2	2.759-2	2.550-2	2.409-2	2.277-2	2.127-2	2.176-2	2.240-2	2.318-2	2.402-2
22	39	8.550-4	8.397-4	6.772-4	5.800-4	4.774-4	2.935-4	1.349-4	9.876-5	7.186-5	3.766-5
22	40	3.331-3	3.331-3	2.653-3	2.261-3	1.853-3	1.135-3	5.247-4	3.862-4	2.832-4	1.519-4
22	41	2.022-2	1.995-2	1.785-2	1.697-2	1.637-2	1.662-2	1.929-2	2.064-2	2.206-2	2.401-2
22	42	2.919-2	2.908-2	2.716-2	2.630-2	2.584-2	2.695-2	3.171-2	3.395-2	3.627-2	3.937-2
22	43	4.386-3	4.171-3	3.136-3	2.628-3	2.132-3	1.306-3	6.283-4	4.749-4	3.595-4	2.074-4
22	44	7.095-3	6.476-3	4.959-3	4.189-3	3.412-3	2.082-3	9.810-4	7.339-4	5.507-4	3.156-4
22	45	1.777-2	1.555-2	1.196-2	1.015-2	8.306-3	5.100-3	2.412-3	1.805-3	1.353-3	7.682-4
22	46	2.381-3	2.243-3	1.664-3	1.381-3	1.107-3	6.602-4	3.044-4	2.256-4	1.671-4	9.186-5
22	47	4.938-3	4.288-3	3.010-3	2.476-3	1.975-3	1.174-3	5.443-4	4.052-4	3.018-4	1.680-4
22	48	1.441-3	1.310-3	9.433-4	7.768-4	6.195-4	3.676-4	1.708-4	1.274-4	9.529-5	5.369-5
22	49	8.158-4	7.950-4	5.907-4	4.881-4	3.896-4	2.305-4	1.055-4	7.797-5	5.756-5	3.137-5
22	50	1.441-2	1.363-2	1.143-2	1.048-2	9.600-3	8.134-3	6.682-3	6.194-3	5.696-3	4.587-3
22	51	5.263-3	5.237-3	4.550-3	4.291-3	4.121-3	4.118-3	4.597-3	4.851-3	5.127-3	5.481-3
22	52	7.343-3	7.220-3	6.012-3	5.457-3	4.945-3	4.143-3	3.467-3	3.273-3	3.088-3	2.665-3
22	53	2.099-3	1.867-3	1.307-3	1.088-3	8.923-4	5.985-4	3.850-4	3.402-4	3.074-4	2.584-4
22	54	5.113-4	4.359-4	2.960-4	2.428-4	1.952-4	1.225-4	6.677-5	5.409-5	4.423-5	2.982-5
22	55	2.691-3	2.492-3	1.780-3	1.455-3	1.151-3	6.727-4	3.056-4	2.256-4	1.663-4	9.042-5
22	56	8.634-3	7.336-3	4.914-3	3.969-3	3.119-3	1.823-3	8.504-4	6.395-4	4.834-4	2.814-4
22	57	3.084-4	2.694-4	1.814-4	1.460-4	1.141-4	6.553-5	2.939-5	2.165-5	1.598-5	8.754-6
22	58	1.851-2	1.657-2	1.415-2	1.348-2	1.307-2	1.303-2	1.390-2	1.433-2	1.477-2	1.506-2
22	59	8.274-3	7.995-3	7.043-3	6.690-3	6.429-3	6.226-3	6.360-3	6.457-3	6.557-3	6.514-3
22	60	2.580-2	2.240-2	1.445-2	1.149-2	8.927-3	5.180-3	2.472-3	1.890-3	1.457-3	8.829-4
22	61	8.493-3	7.482-3	5.980-3	5.491-3	5.089-3	4.535-3	4.112-3	3.983-3	3.850-3	3.468-3
22	62	1.154-2	1.009-2	6.469-3	5.143-3	4.002-3	2.345-3	1.155-3	9.005-4	7.108-4	4.563-4
22	63	3.221-3	2.882-3	2.210-3	1.992-3	1.809-3	1.534-3	1.276-3	1.187-3	1.095-3	8.853-4
22	64	6.412-3	5.441-3	3.430-3	2.730-3	2.137-3	1.290-3	6.882-4	5.590-4	4.617-4	3.256-4
22	65	2.590-3	2.158-3	1.306-3	1.019-3	7.793-4	4.397-4	2.026-4	1.531-4	1.170-4	7.043-5
22	66	3.529-3	3.315-3	2.932-3	2.853-3	2.841-3	3.004-3	3.429-3	3.621-3	3.825-3	4.078-3
22	67	1.542-3	1.110-3	5.940-4	4.529-4	3.418-4	1.926-4	9.281-5	7.229-5	5.725-5	3.744-5
22	68	2.579-3	2.018-3	1.173-3	9.139-4	7.003-4	4.000-4	1.903-4	1.464-4	1.143-4	7.247-5
22	69	8.105-3	6.040-3	4.315-3	3.984-3	3.802-3	3.769-3	4.086-3	4.262-3	4.459-3	4.691-3
22	70	9.072-4	6.876-4	4.105-4	3.265-4	2.564-4	1.564-4	8.479-5	6.931-5	5.765-5	4.123-5
22	71	1.270-2	1.140-2	1.043-2	1.041-2	1.060-2	1.147-2	1.309-2	1.378-2	1.450-2	1.535-2
22	72	2.479-1	2.453-1	2.479-1	2.536-1	2.631-1	2.913-1	3.378-1	3.569-1	3.765-1	3.997-1
22	73	1.337-4	9.149-5	5.117-5	4.054-5	3.200-5	2.006-5	1.141-5	9.474-6	7.991-6	5.857-6
22	74	5.041-4	3.118-4	1.595-4	1.246-4	9.795-5	6.225-5	3.626-5	3.001-5	2.488-5	1.689-5
22	75	2.317-4	1.536-4	9.090-5	7.529-5	6.265-5	4.414-5	2.862-5	2.439-5	2.070-5	1.450-5
22	76	2.166-1	2.165-1	2.217-1	2.278-1	2.372-1	2.633-1	3.044-1	3.211-1	3.385-1	3.590-1
22	77	8.192-2	8.202-2	8.417-2	8.659-2	9.022-2	1.002-1	1.156-1	1.220-1	1.285-1	1.364-1
22	78	8.006-2	8.030-2	8.254-2	8.493-2	8.847-2	9.813-2	1.131-1	1.192-1	1.256-1	1.333-1

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
22	79	9.637-4	8.841-4	7.961-4	7.673-4	7.419-4	7.007-4	6.544-4	6.361-4	6.155-4	5.536-4
22	80	2.333-4	2.030-4	1.404-4	1.184-4	9.956-5	7.265-5	5.448-5	5.119-5	4.916-5	4.604-5
22	81	3.647-4	3.520-4	3.209-4	3.135-4	3.109-4	3.182-4	3.438-4	3.571-4	3.720-4	3.885-4
22	82	3.432-5	2.812-5	1.761-5	1.401-5	1.093-5	6.460-6	3.206-6	2.496-6	1.960-6	1.226-6
22	83	2.347-4	2.171-4	1.899-4	1.830-4	1.792-4	1.796-4	1.908-4	1.976-4	2.054-4	2.144-4
22	84	9.292-5	7.101-5	4.482-5	3.697-5	3.055-5	2.172-5	1.596-5	1.493-5	1.431-5	1.337-5
22	85	2.046-3	2.013-3	1.991-3	2.010-3	2.050-3	2.175-3	2.401-3	2.504-3	2.614-3	2.735-3
22	86	1.330-4	1.219-4	9.755-5	8.941-5	8.302-5	7.550-5	7.368-5	7.484-5	7.672-5	7.870-5
22	87	6.519-4	6.437-4	6.228-4	6.217-4	6.267-4	6.514-4	7.048-4	7.315-4	7.613-4	7.940-4
22	88	3.524-5	2.884-5	2.040-5	1.782-5	1.565-5	1.250-5	1.005-5	9.437-6	8.926-6	7.879-6
22	89	2.350-4	2.283-4	1.715-4	1.436-4	1.170-4	7.409-5	4.043-5	3.298-5	2.740-5	1.972-5
22	90	5.362-5	4.640-5	3.480-5	3.110-5	2.799-5	2.345-5	1.994-5	1.908-5	1.836-5	1.666-5
22	91	9.779-6	7.764-6	4.907-6	3.994-6	3.214-6	2.064-6	1.215-6	1.034-6	9.005-7	7.134-7
22	92	3.058-4	2.841-4	2.514-4	2.391-4	2.272-4	2.051-4	1.766-4	1.647-4	1.517-4	1.214-4
22	93	2.585-5	1.996-5	1.188-5	9.408-6	7.347-6	4.388-6	2.209-6	1.721-6	1.348-6	8.380-7
22	94	1.039-4	9.181-5	6.879-5	5.887-5	4.944-5	3.405-5	2.120-5	1.806-5	1.552-5	1.154-5
22	95	1.402-4	1.296-4	1.155-4	1.112-4	1.076-4	1.024-4	9.805-5	9.689-5	9.583-5	9.083-5
22	96	1.834-4	1.783-4	1.646-4	1.583-4	1.519-4	1.396-4	1.231-4	1.161-4	1.083-4	8.960-5
22	97	1.314-4	1.273-4	1.178-4	1.135-4	1.093-4	1.012-4	9.090-5	8.667-5	8.205-5	7.033-5
22	98	4.714-4	4.592-4	4.400-4	4.328-4	4.263-4	4.156-4	4.059-4	4.034-4	4.012-4	3.837-4
22	99	1.714-4	1.651-4	1.552-4	1.519-4	1.490-4	1.445-4	1.401-4	1.388-4	1.374-4	1.303-4
22	100	3.320-5	2.934-5	2.472-5	2.319-5	2.183-5	1.958-5	1.725-5	1.645-5	1.565-5	1.368-5
22	101	1.859-5	1.640-5	1.424-5	1.354-5	1.292-5	1.192-5	1.099-5	1.073-5	1.049-5	9.746-6
22	102	2.983-4	2.991-4	2.928-4	2.895-4	2.861-4	2.799-4	2.727-4	2.703-4	2.679-4	2.544-4
22	103	2.248-4	2.262-4	2.197-4	2.164-4	2.132-4	2.076-4	2.012-4	1.989-4	1.966-4	1.853-4
22	104	7.243-5	7.477-5	7.310-5	7.168-5	7.018-5	6.731-5	6.369-5	6.237-5	6.103-5	5.654-5
22	105	1.819-4	1.837-4	1.801-4	1.780-4	1.759-4	1.717-4	1.659-4	1.636-4	1.612-4	1.509-4
22	106	5.516-5	4.848-5	3.255-5	2.641-5	2.099-5	1.289-5	7.015-6	5.804-6	4.948-6	3.848-6
22	107	9.296-5	7.720-5	5.690-5	4.858-5	4.076-5	2.821-5	1.820-5	1.589-5	1.410-5	1.129-5
22	108	1.069-4	9.954-5	8.264-5	7.664-5	7.164-5	6.502-5	6.251-5	6.316-5	6.446-5	6.564-5
22	109	1.937-4	1.780-4	1.319-4	1.157-4	1.023-4	8.380-5	7.309-5	7.204-5	7.211-5	7.158-5
22	110	6.140-4	5.215-4	4.294-4	4.074-4	3.917-4	3.762-4	3.805-4	3.884-4	3.990-4	4.083-4
22	111	2.426-5	2.105-5	1.373-5	1.099-5	8.609-6	5.084-6	2.479-6	1.905-6	1.472-6	8.849-7
22	112	7.529-5	6.672-5	5.013-5	4.481-5	4.048-5	3.465-5	3.141-5	3.119-5	3.137-5	3.125-5
22	113	1.828-5	1.415-5	8.729-6	6.952-6	5.436-6	3.220-6	1.569-6	1.196-6	9.096-7	5.190-7
22	114	2.283-4	2.237-4	2.181-4	2.166-4	2.152-4	2.122-4	2.073-4	2.052-4	2.029-4	1.914-4
22	115	3.107-4	3.049-4	2.973-4	2.952-4	2.933-4	2.900-4	2.864-4	2.855-4	2.847-4	2.734-4
22	116	1.267-5	1.088-5	8.515-6	7.856-6	7.334-6	6.628-6	6.159-6	6.076-6	6.022-6	5.758-6
22	117	7.116-5	6.968-5	6.809-5	6.767-5	6.730-5	6.653-5	6.529-5	6.479-5	6.419-5	6.071-5
22	118	3.975-5	3.982-5	4.010-5	4.022-5	4.028-5	4.006-5	3.908-5	3.862-5	3.813-5	3.589-5
22	119	2.446-5	2.166-5	1.818-5	1.718-5	1.632-5	1.492-5	1.330-5	1.272-5	1.214-5	1.072-5
22	120	2.693-4	2.344-4	1.536-4	1.259-4	1.028-4	7.029-5	4.859-5	4.464-5	4.218-5	3.881-5
22	121	4.050-5	3.989-5	3.945-5	3.933-5	3.918-5	3.866-5	3.747-5	3.695-5	3.640-5	3.411-5
22	122	1.224-4	1.193-4	1.183-4	1.181-4	1.177-4	1.162-4	1.121-4	1.102-4	1.081-4	1.003-4
22	123	1.738-4	1.704-4	1.682-4	1.675-4	1.667-4	1.645-4	1.601-4	1.579-4	1.554-4	1.448-4
22	124	8.195-6	7.442-6	6.879-6	6.712-6	6.545-6	6.159-6	5.476-6	5.177-6	4.864-6	4.135-6
22	125	7.550-4	7.552-4	7.531-4	7.518-4	7.500-4	7.450-4	7.315-4	7.229-4	7.107-4	6.557-4
23	24	2.641-2	2.447-2	1.729-2	1.498-2	1.341-2	1.409-2	2.306-2	2.703-2	3.050-2	3.426-2
23	25	1.841-1	1.444-1	1.089-1	1.011-1	9.855-2	1.190-1	1.952-1	2.283-1	2.595-1	2.996-1
23	26	4.658-2	4.267-2	3.806-2	3.717-2	3.780-2	4.699-2	7.402-2	8.652-2	9.987-2	1.227-1

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
23	27	3.880-2	3.681-2	3.404-2	3.362-2	3.453-2	4.340-2	6.832-2	7.973-2	9.188-2	1.126-1
23	28	1.215-1	1.194-1	1.162-1	1.169-1	1.223-1	1.579-1	2.483-1	2.881-1	3.294-1	3.969-1
23	29	7.924-3	7.204-3	5.302-3	4.470-3	3.679-3	2.384-3	1.324-3	1.079-3	8.904-4	6.234-4
23	30	2.176-2	1.598-2	9.979-3	8.244-3	6.792-3	4.638-3	2.862-3	2.392-3	1.990-3	1.336-3
23	31	2.189-1	2.192-1	2.177-1	2.203-1	2.313-1	2.972-1	4.587-1	5.286-1	6.005-1	7.151-1
23	32	3.498-3	3.262-3	2.650-3	2.379-3	2.104-3	1.603-3	1.095-3	9.434-4	8.075-4	5.724-4
23	33	5.319-2	5.492-2	4.795-2	4.324-2	3.795-2	2.764-2	1.771-2	1.520-2	1.319-2	1.005-2
23	34	1.215-2	9.788-3	7.246-3	6.513-3	5.898-3	4.989-3	4.230-3	4.014-3	3.816-3	3.380-3
23	35	1.169-2	9.920-3	8.262-3	7.818-3	7.466-3	7.008-3	6.688-3	6.591-3	6.490-3	6.096-3
23	36	5.127-3	4.578-3	3.398-3	2.992-3	2.633-3	2.060-3	1.492-3	1.308-3	1.134-3	8.133-4
23	37	2.879-3	2.461-3	1.769-3	1.548-3	1.356-3	1.052-3	7.505-4	6.531-4	5.610-4	3.926-4
23	38	6.441-3	5.536-3	4.448-3	4.113-3	3.813-3	3.274-3	2.570-3	2.289-3	2.002-3	1.434-3
23	39	2.571-3	2.383-3	1.921-3	1.717-3	1.542-3	1.351-3	1.389-3	1.454-3	1.534-3	1.653-3
23	40	3.217-3	2.693-3	1.865-3	1.552-3	1.263-3	8.044-4	4.330-4	3.454-4	2.766-4	1.771-4
23	41	3.008-2	3.012-2	2.970-2	2.952-2	2.946-2	2.982-2	3.091-2	3.133-2	3.169-2	3.115-2
23	42	4.199-2	4.210-2	4.189-2	4.184-2	4.193-2	4.276-2	4.455-2	4.519-2	4.574-2	4.498-2
23	43	1.666-4	1.479-4	1.062-4	8.786-5	7.037-5	4.187-5	1.913-5	1.409-5	1.036-5	5.585-6
23	44	1.553-2	1.281-2	9.160-3	7.688-3	6.263-3	3.870-3	1.884-3	1.430-3	1.088-3	6.336-4
23	45	1.855-2	1.663-2	1.362-2	1.256-2	1.163-2	1.019-2	8.999-3	8.665-3	8.352-3	7.549-3
23	46	5.635-3	4.846-3	3.814-3	3.529-3	3.370-3	3.496-3	4.281-3	4.654-3	5.043-3	5.592-3
23	47	1.311-3	1.044-3	7.008-4	5.741-4	4.587-4	2.786-4	1.381-4	1.063-4	8.201-5	4.882-5
23	48	7.574-3	6.963-3	6.218-3	6.050-3	6.022-3	6.459-3	7.699-3	8.247-3	8.811-3	9.550-3
23	49	5.052-2	4.659-2	4.390-2	4.422-2	4.591-2	5.383-2	6.971-2	7.614-2	8.260-2	9.140-2
23	50	5.496-5	4.630-5	3.118-5	2.544-5	2.022-5	1.200-5	5.555-6	4.123-6	3.057-6	1.682-6
23	51	4.079-4	4.167-4	3.228-4	2.811-4	2.436-4	1.875-4	1.472-4	1.389-4	1.327-4	1.209-4
23	52	2.710-4	2.612-4	2.036-4	1.748-4	1.469-4	1.007-4	6.024-5	4.959-5	4.063-5	2.649-5
23	53	2.721-4	2.733-4	2.142-4	1.883-4	1.650-4	1.300-4	1.051-4	1.002-4	9.670-5	8.959-5
23	54	7.340-5	7.062-5	4.992-5	4.123-5	3.334-5	2.101-5	1.135-5	9.167-6	7.511-6	5.203-6
23	55	3.403-3	2.892-3	2.203-3	2.033-3	1.941-3	1.988-3	2.331-3	2.496-3	2.671-3	2.907-3
23	56	1.029-2	9.904-3	9.292-3	9.274-3	9.516-3	1.082-2	1.349-2	1.459-2	1.570-2	1.717-2
23	57	6.008-4	5.045-4	3.391-4	2.807-4	2.304-4	1.569-4	1.016-4	8.834-5	7.740-5	5.921-5
23	58	5.298-4	4.958-4	3.966-4	3.591-4	3.266-4	2.804-4	2.511-4	2.463-4	2.433-4	2.324-4
23	59	9.852-4	9.515-4	8.733-4	8.410-4	8.133-4	7.785-4	7.674-4	7.695-4	7.725-4	7.520-4
23	60	8.359-4	7.398-4	5.113-4	4.304-4	3.611-4	2.591-4	1.785-4	1.574-4	1.389-4	1.053-4
23	61	4.831-4	3.562-4	2.191-4	1.807-4	1.493-4	1.040-4	6.667-5	5.647-5	4.752-5	3.245-5
23	62	8.361-3	7.512-3	6.606-3	6.498-3	6.574-3	7.216-3	8.598-3	9.179-3	9.775-3	1.053-2
23	63	2.522-4	1.919-4	1.290-4	1.086-4	9.001-5	5.956-5	3.380-5	2.756-5	2.263-5	1.536-5
23	64	4.594-3	4.334-3	4.099-3	4.132-3	4.266-3	4.804-3	5.784-3	6.183-3	6.591-3	7.112-3
23	65	6.405-3	5.761-3	5.094-3	4.984-3	4.969-3	5.178-3	5.687-3	5.899-3	6.110-3	6.277-3
23	66	6.565-4	5.374-4	3.346-4	2.739-4	2.260-4	1.623-4	1.157-4	1.030-4	9.135-5	6.952-5
23	67	4.614-2	4.608-2	4.700-2	4.836-2	5.060-2	5.727-2	6.810-2	7.244-2	7.687-2	8.236-2
23	68	2.374-3	1.939-3	1.552-3	1.453-3	1.371-3	1.242-3	1.091-3	1.027-3	9.556-4	7.803-4
23	69	4.329-4	3.941-4	3.672-4	3.621-4	3.594-4	3.597-4	3.656-4	3.681-4	3.701-4	3.591-4
23	70	5.410-2	5.420-2	5.551-2	5.713-2	5.967-2	6.696-2	7.863-2	8.334-2	8.816-2	9.397-2
23	71	7.888-5	7.721-5	6.970-5	6.594-5	6.233-5	5.670-5	5.280-5	5.211-5	5.162-5	4.922-5
23	72	4.367-5	3.780-5	2.821-5	2.463-5	2.128-5	1.567-5	1.034-5	8.795-6	7.429-6	5.123-6
23	73	5.448-5	5.063-5	4.531-5	4.341-5	4.169-5	3.877-5	3.508-5	3.360-5	3.206-5	2.823-5
23	74	4.219-5	3.649-5	2.801-5	2.464-5	2.150-5	1.636-5	1.180-5	1.054-5	9.413-6	7.333-6
23	75	4.371-5	4.169-5	3.310-5	2.873-5	2.442-5	1.712-5	1.085-5	9.281-6	8.000-6	5.938-6
23	76	6.667-5	5.822-5	4.282-5	3.604-5	2.962-5	1.925-5	1.076-5	8.713-6	7.085-6	4.680-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
23	77	7.594-5	7.030-5	5.712-5	5.153-5	4.631-5	3.784-5	2.988-5	2.743-5	2.510-5	2.038-5
23	78	1.464-4	1.354-4	1.034-4	8.905-5	7.578-5	5.490-5	3.752-5	3.293-5	2.896-5	2.199-5
23	79	7.405-5	7.227-5	6.671-5	6.399-5	6.129-5	5.630-5	5.004-5	4.763-5	4.513-5	3.913-5
23	80	1.054-4	1.017-4	8.496-5	7.835-5	7.273-5	6.449-5	5.640-5	5.344-5	5.034-5	4.299-5
23	81	3.498-5	3.202-5	2.430-5	2.155-5	1.920-5	1.565-5	1.222-5	1.106-5	9.895-6	7.528-6
23	82	1.123-4	1.015-4	6.848-5	5.614-5	4.549-5	2.986-5	1.800-5	1.516-5	1.283-5	9.109-6
23	83	1.012-4	9.331-5	6.559-5	5.539-5	4.661-5	3.358-5	2.296-5	2.008-5	1.753-5	1.295-5
23	84	1.339-4	1.243-4	1.117-4	1.090-4	1.073-4	1.053-4	9.983-5	9.623-5	9.181-5	7.963-5
23	85	3.921-5	3.173-5	2.215-5	1.935-5	1.708-5	1.374-5	1.058-5	9.517-6	8.474-6	6.390-6
23	86	1.324-4	1.236-4	1.093-4	1.063-4	1.047-4	1.031-4	9.659-5	9.203-5	8.641-5	7.199-5
23	87	1.177-4	1.058-4	9.513-5	9.361-5	9.321-5	9.322-5	8.905-5	8.567-5	8.141-5	6.978-5
23	88	8.895-5	8.095-5	7.548-5	7.513-5	7.560-5	7.812-5	8.301-5	8.529-5	8.776-5	8.953-5
23	89	2.639-4	2.303-4	1.974-4	1.884-4	1.807-4	1.678-4	1.503-4	1.422-4	1.329-4	1.092-4
23	90	3.128-5	2.473-5	1.872-5	1.724-5	1.612-5	1.454-5	1.286-5	1.221-5	1.153-5	9.897-6
23	91	1.194-5	9.722-6	7.469-6	6.896-6	6.464-6	5.918-6	5.581-6	5.530-6	5.508-6	5.341-6
23	92	1.867-5	1.509-5	1.123-5	1.016-5	9.260-6	7.831-6	6.219-6	5.624-6	5.029-6	3.835-6
23	93	2.092-4	1.932-4	1.677-4	1.595-4	1.525-4	1.413-4	1.285-4	1.233-4	1.176-4	1.023-4
23	94	2.826-3	2.854-3	2.943-3	3.005-3	3.084-3	3.272-3	3.564-3	3.695-3	3.837-3	3.976-3
23	95	1.936-5	1.679-5	1.336-5	1.238-5	1.158-5	1.033-5	8.985-6	8.509-6	8.044-6	6.998-6
23	96	1.959-5	1.666-5	1.296-5	1.195-5	1.112-5	9.839-6	8.325-6	7.725-6	7.101-6	5.736-6
23	97	7.897-5	7.748-5	7.601-5	7.614-5	7.662-5	7.812-5	8.024-5	8.110-5	8.197-5	8.069-5
23	98	1.433-5	1.269-5	1.031-5	9.565-6	8.904-6	7.734-6	6.180-6	5.550-6	4.896-6	3.573-6
23	99	1.763-5	1.497-5	1.243-5	1.180-5	1.129-5	1.048-5	9.427-6	8.989-6	8.520-6	7.361-6
23	100	9.741-6	8.407-6	6.993-6	6.632-6	6.348-6	5.940-6	5.560-6	5.443-6	5.333-6	4.979-6
23	101	6.438-6	5.410-6	4.400-6	4.134-6	3.915-6	3.569-6	3.186-6	3.049-6	2.913-6	2.582-6
23	102	2.074-5	1.926-5	1.824-5	1.809-5	1.800-5	1.784-5	1.737-5	1.716-5	1.694-5	1.601-5
23	103	2.996-5	2.943-5	2.910-5	2.915-5	2.924-5	2.928-5	2.876-5	2.844-5	2.808-5	2.641-5
23	104	8.275-5	8.193-5	8.183-5	8.252-5	8.356-5	8.622-5	9.066-5	9.285-5	9.531-5	9.688-5
23	105	4.599-4	4.666-4	4.774-4	4.855-4	4.954-4	5.187-4	5.570-4	5.754-4	5.959-4	6.154-4
23	106	2.052-5	2.047-5	1.847-5	1.770-5	1.704-5	1.597-5	1.468-5	1.417-5	1.364-5	1.220-5
23	107	1.800-4	1.803-4	1.797-4	1.805-4	1.817-4	1.850-4	1.905-4	1.931-4	1.960-4	1.947-4
23	108	3.288-5	3.283-5	3.204-5	3.208-5	3.218-5	3.206-5	3.029-5	2.909-5	2.763-5	2.370-5
23	109	8.598-6	8.282-6	6.571-6	6.014-6	5.557-6	4.861-6	4.095-6	3.798-6	3.484-6	2.789-6
23	110	3.417-6	3.131-6	2.645-6	2.486-6	2.345-6	2.101-6	1.769-6	1.627-6	1.474-6	1.136-6
23	111	1.048-5	9.325-6	6.092-6	4.969-6	4.019-6	2.647-6	1.621-6	1.376-6	1.177-6	8.563-7
23	112	6.711-6	6.177-6	5.585-6	5.424-6	5.281-6	4.986-6	4.447-6	4.188-6	3.898-6	3.207-6
23	113	1.292-5	1.252-5	1.182-5	1.156-5	1.132-5	1.092-5	1.037-5	1.011-5	9.800-6	8.767-6
23	114	9.272-7	7.005-7	4.950-7	4.434-7	4.017-7	3.366-7	2.633-7	2.363-7	2.093-7	1.560-7
23	115	7.524-7	5.900-7	4.225-7	3.776-7	3.403-7	2.790-7	2.059-7	1.789-7	1.524-7	1.036-7
23	116	8.476-7	7.691-7	6.828-7	6.604-7	6.426-7	6.164-7	5.930-7	5.873-7	5.829-7	5.576-7
23	117	9.771-7	8.974-7	7.965-7	7.672-7	7.412-7	6.923-7	6.163-7	5.815-7	5.426-7	4.481-7
23	118	2.133-5	2.153-5	2.197-5	2.218-5	2.243-5	2.304-5	2.435-5	2.509-5	2.597-5	2.683-5
23	119	2.084-6	2.082-6	2.092-6	2.091-6	2.083-6	2.034-6	1.900-6	1.834-6	1.764-6	1.575-6
23	120	1.642-6	1.571-6	1.456-6	1.417-6	1.381-6	1.315-6	1.210-6	1.158-6	1.099-6	9.400-7
23	121	7.174-6	7.203-6	7.281-6	7.326-6	7.384-6	7.546-6	7.933-6	8.164-6	8.438-6	8.700-6
23	122	9.482-6	9.520-6	9.633-6	9.690-6	9.758-6	9.945-6	1.040-5	1.067-5	1.099-5	1.124-5
23	123	1.161-6	1.143-6	1.142-6	1.139-6	1.131-6	1.097-6	1.004-6	9.548-7	8.978-7	7.538-7
23	124	1.449-6	1.448-6	1.443-6	1.440-6	1.436-6	1.422-6	1.398-6	1.391-6	1.384-6	1.328-6
23	125	5.047-7	5.019-7	4.928-7	4.868-7	4.786-7	4.538-7	3.979-7	3.701-7	3.394-7	2.698-7
24	25	1.190-1	8.035-2	5.024-2	4.256-2	3.613-2	2.626-2	1.785-2	1.562-2	1.371-2	1.041-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
24	26	6.726-2	6.454-2	5.959-2	5.798-2	5.671-2	5.553-2	5.578-2	5.599-2	5.618-2	5.486-2
24	27	1.561-2	1.434-2	1.082-2	9.259-3	7.769-3	5.299-3	3.212-3	2.700-3	2.282-3	1.622-3
24	28	5.901-3	5.005-3	3.482-3	2.894-3	2.352-3	1.475-3	7.521-4	5.819-4	4.499-4	2.668-4
24	29	4.686-3	3.885-3	2.597-3	2.121-3	1.692-3	1.026-3	5.114-4	3.983-4	3.146-4	2.052-4
24	30	1.286-2	1.093-2	8.807-3	8.151-3	7.584-3	6.768-3	6.245-3	6.149-3	6.082-3	5.827-3
24	31	6.586-3	6.150-3	4.581-3	3.902-3	3.254-3	2.166-3	1.219-3	9.828-4	7.922-4	5.102-4
24	32	2.210-1	2.240-1	2.314-1	2.378-1	2.532-1	3.289-1	5.030-1	5.772-1	6.533-1	7.737-1
24	33	3.882-3	4.053-3	3.627-3	3.327-3	3.051-3	2.796-3	3.121-3	3.369-3	3.660-3	4.143-3
24	34	7.719-3	7.436-3	6.798-3	6.500-3	6.186-3	5.566-3	4.825-3	4.575-3	4.342-3	3.838-3
24	35	7.484-3	6.905-3	6.274-3	6.035-3	5.794-3	5.335-3	4.816-3	4.654-3	4.510-3	4.157-3
24	36	3.988-3	3.699-3	3.392-3	3.297-3	3.273-3	3.570-3	4.493-3	4.898-3	5.313-3	5.904-3
24	37	1.193-2	1.223-2	1.244-2	1.269-2	1.338-2	1.681-2	2.428-2	2.737-2	3.047-2	3.506-2
24	38	1.659-3	1.578-3	1.411-3	1.297-3	1.170-3	9.362-4	7.290-4	6.825-4	6.492-4	5.932-4
24	39	1.833-2	1.856-2	1.564-2	1.388-2	1.207-2	8.877-3	6.103-3	5.430-3	4.894-3	4.015-3
24	40	7.208-3	7.072-3	5.938-3	5.326-3	4.703-3	3.610-3	2.635-3	2.387-3	2.181-3	1.816-3
24	41	8.648-3	8.695-3	8.381-3	8.357-3	8.592-3	1.015-2	1.374-2	1.522-2	1.671-2	1.884-2
24	42	2.872-3	2.761-3	2.380-3	2.186-3	1.988-3	1.623-3	1.212-3	1.073-3	9.403-4	6.940-4
24	43	2.615-4	2.318-4	1.705-4	1.427-4	1.157-4	7.060-5	3.366-5	2.529-5	1.902-5	1.079-5
24	44	3.257-3	2.899-3	2.170-3	1.830-3	1.506-3	9.936-4	6.269-4	5.592-4	5.168-4	4.675-4
24	45	5.259-3	5.693-3	4.526-3	3.869-3	3.241-3	2.289-3	1.693-3	1.612-3	1.579-3	1.554-3
24	46	1.581-3	1.727-3	1.404-3	1.205-3	1.008-3	6.790-4	4.113-4	3.499-4	3.028-4	2.330-4
24	47	8.047-4	6.903-4	4.889-4	4.088-4	3.350-4	2.187-4	1.270-4	1.059-4	8.960-5	6.553-5
24	48	1.099-3	9.975-4	7.068-4	5.798-4	4.614-4	2.743-4	1.295-4	9.757-5	7.372-5	4.241-5
24	49	1.689-3	1.578-3	1.148-3	9.473-4	7.570-4	4.519-4	2.124-4	1.592-4	1.193-4	6.720-5
24	50	1.331-4	1.177-4	8.384-5	6.919-5	5.536-5	3.309-5	1.547-5	1.153-5	8.584-6	4.738-6
24	51	7.385-4	7.250-4	5.428-4	4.532-4	3.688-4	2.346-4	1.278-4	1.030-4	8.355-5	5.570-5
24	52	3.627-4	3.074-4	2.172-4	1.794-4	1.440-4	8.757-5	4.368-5	3.411-5	2.707-5	1.798-5
24	53	1.079-3	1.115-3	1.010-3	9.592-4	9.263-4	9.333-4	1.051-3	1.112-3	1.179-3	1.265-3
24	54	2.125-3	2.170-3	2.114-3	2.122-3	2.185-3	2.492-3	3.109-3	3.363-3	3.619-3	3.961-3
24	55	1.403-2	1.269-2	9.043-3	7.482-3	6.049-3	3.816-3	2.079-3	1.681-3	1.369-3	9.120-4
24	56	6.523-3	6.315-3	5.348-3	4.884-3	4.438-3	3.689-3	2.951-3	2.709-3	2.467-3	1.954-3
24	57	4.604-3	4.515-3	4.217-3	4.133-3	4.111-3	4.278-3	4.747-3	4.951-3	5.156-3	5.352-3
24	58	5.083-4	4.512-4	3.139-4	2.590-4	2.095-4	1.336-4	7.484-5	6.136-5	5.095-5	3.605-5
24	59	5.899-4	5.584-4	4.355-4	3.882-4	3.503-4	3.092-4	3.066-4	3.145-4	3.253-4	3.384-4
24	60	8.331-4	7.490-4	4.967-4	3.977-4	3.105-4	1.812-4	8.748-5	6.774-5	5.336-5	3.478-5
24	61	4.060-4	3.264-4	2.055-4	1.655-4	1.315-4	8.266-5	4.831-5	4.140-5	3.660-5	3.036-5
24	62	1.761-3	1.504-3	9.691-4	7.730-4	6.030-4	3.539-4	1.738-4	1.354-4	1.069-4	6.883-5
24	63	1.246-3	1.149-3	1.045-3	1.041-3	1.068-3	1.206-3	1.472-3	1.581-3	1.691-3	1.835-3
24	64	1.543-3	1.300-3	8.065-4	6.339-4	4.873-4	2.770-4	1.280-4	9.653-5	7.328-5	4.288-5
24	65	3.994-3	3.184-3	1.903-3	1.489-3	1.145-3	6.617-4	3.228-4	2.504-4	1.963-4	1.232-4
24	66	3.651-3	3.620-3	3.592-3	3.665-3	3.821-3	4.352-3	5.270-3	5.638-3	6.011-3	6.484-3
24	67	1.693-3	1.332-3	7.776-4	6.055-4	4.640-4	2.666-4	1.291-4	9.982-5	7.790-5	4.837-5
24	68	9.517-4	7.414-4	4.246-4	3.294-4	2.522-4	1.457-4	7.175-5	5.588-5	4.389-5	2.741-5
24	69	1.217-3	8.512-4	5.127-4	4.327-4	3.720-4	2.908-4	2.261-4	2.069-4	1.884-4	1.501-4
24	70	7.843-4	5.572-4	3.126-4	2.471-4	1.954-4	1.260-4	7.869-5	6.852-5	6.077-5	4.882-5
24	71	1.546-3	1.215-3	9.475-4	9.023-4	8.843-4	9.084-4	1.004-3	1.050-3	1.100-3	1.157-3
24	72	1.657-4	1.053-4	5.144-5	3.867-5	2.900-5	1.647-5	8.370-6	6.757-6	5.611-6	4.140-6
24	73	3.187-4	2.332-4	1.659-4	1.510-4	1.401-4	1.270-4	1.194-4	1.178-4	1.164-4	1.103-4
24	74	2.747-2	2.738-2	2.802-2	2.886-2	3.015-2	3.378-2	3.948-2	4.177-2	4.414-2	4.699-2
24	75	2.057-2	2.056-2	2.109-2	2.172-2	2.268-2	2.534-2	2.949-2	3.117-2	3.291-2	3.498-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
24	76	1.326-4	8.247-5	4.342-5	3.443-5	2.756-5	1.841-5	1.189-5	1.033-5	9.035-6	6.834-6
24	77	2.706-2	2.703-2	2.768-2	2.847-2	2.966-2	3.294-2	3.806-2	4.013-2	4.227-2	4.478-2
24	78	2.061-2	2.065-2	2.119-2	2.179-2	2.269-2	2.513-2	2.892-2	3.046-2	3.206-2	3.390-2
24	79	7.060-5	6.708-5	6.227-5	6.074-5	5.949-5	5.765-5	5.538-5	5.438-5	5.323-5	4.910-5
24	80	2.112-3	2.089-3	2.047-3	2.027-3	2.004-3	1.940-3	1.788-3	1.702-3	1.596-3	1.316-3
24	81	1.417-4	1.214-4	1.006-4	9.498-5	9.045-5	8.316-5	7.303-5	6.840-5	6.321-5	5.098-5
24	82	6.890-4	6.869-4	7.020-4	7.200-4	7.460-4	8.145-4	9.204-4	9.650-4	1.012-3	1.067-3
24	83	3.973-4	3.929-4	3.973-4	4.063-4	4.201-4	4.570-4	5.128-4	5.356-4	5.593-4	5.841-4
24	84	3.699-4	3.641-4	3.567-4	3.550-4	3.540-4	3.529-4	3.485-4	3.453-4	3.408-4	3.188-4
24	85	1.191-5	9.605-6	6.768-6	5.952-6	5.292-6	4.325-6	3.387-6	3.066-6	2.749-6	2.116-6
24	86	1.761-4	1.727-4	1.689-4	1.693-4	1.710-4	1.776-4	1.899-4	1.958-4	2.022-4	2.078-4
24	87	9.078-5	8.902-5	8.505-5	8.346-5	8.185-5	7.832-5	7.153-5	6.793-5	6.361-5	5.236-5
24	88	5.338-5	5.054-5	4.949-5	4.990-5	5.053-5	5.127-5	4.857-5	4.629-5	4.341-5	3.592-5
24	89	5.199-5	4.251-5	2.644-5	2.114-5	1.669-5	1.034-5	5.768-6	4.750-6	3.962-6	2.803-6
24	90	1.515-4	1.520-4	1.563-4	1.593-4	1.629-4	1.688-4	1.695-4	1.674-4	1.642-4	1.510-4
24	91	1.632-4	1.627-4	1.619-4	1.615-4	1.609-4	1.583-4	1.500-4	1.451-4	1.392-4	1.218-4
24	92	2.238-5	2.149-5	2.023-5	1.975-5	1.924-5	1.794-5	1.530-5	1.407-5	1.275-5	9.952-6
24	93	1.950-5	1.902-5	1.834-5	1.814-5	1.798-5	1.765-5	1.694-5	1.657-5	1.613-5	1.467-5
24	94	2.054-5	1.737-5	1.154-5	9.576-6	7.917-6	5.490-6	3.570-6	3.072-6	2.642-6	1.906-6
24	95	1.361-5	1.262-5	1.143-5	1.110-5	1.081-5	1.022-5	9.015-6	8.381-6	7.652-6	5.965-6
24	96	2.450-5	2.387-5	2.300-5	2.276-5	2.254-5	2.204-5	2.090-5	2.031-5	1.962-5	1.759-5
24	97	1.714-5	1.637-5	1.510-5	1.463-5	1.417-5	1.323-5	1.176-5	1.113-5	1.045-5	8.867-6
24	98	2.097-6	1.531-6	1.022-6	8.988-7	8.022-7	6.618-7	5.244-7	4.785-7	4.346-7	3.489-7
24	99	3.420-5	3.360-5	3.314-5	3.315-5	3.325-5	3.362-5	3.423-5	3.448-5	3.470-5	3.376-5
24	100	1.563-5	1.547-5	1.548-5	1.564-5	1.582-5	1.591-5	1.486-5	1.407-5	1.310-5	1.067-5
24	101	5.455-6	5.190-6	4.913-6	4.822-6	4.729-6	4.514-6	4.082-6	3.859-6	3.599-6	2.952-6
24	102	2.959-6	2.876-6	2.772-6	2.738-6	2.700-6	2.576-6	2.253-6	2.082-6	1.888-6	1.453-6
24	103	6.382-5	6.444-5	6.525-5	6.578-5	6.639-5	6.760-5	6.887-5	6.927-5	6.956-5	6.733-5
24	104	3.799-6	3.487-6	2.714-6	2.382-6	2.078-6	1.596-6	1.166-6	1.040-6	9.230-7	7.010-7
24	105	1.261-5	1.262-5	1.261-5	1.260-5	1.260-5	1.259-5	1.254-5	1.250-5	1.245-5	1.185-5
24	106	1.892-4	1.910-4	1.942-4	1.970-4	2.004-4	2.084-4	2.215-4	2.280-4	2.353-4	2.415-4
24	107	7.601-6	7.974-6	5.796-6	4.822-6	3.955-6	2.650-6	1.632-6	1.382-6	1.173-6	8.338-7
24	108	5.137-5	5.134-5	5.058-5	5.011-5	4.955-5	4.796-5	4.419-5	4.206-5	3.946-5	3.258-5
24	109	1.916-6	1.845-6	1.673-6	1.609-6	1.550-6	1.443-6	1.290-6	1.218-6	1.136-6	9.301-7
24	110	2.733-7	2.388-7	1.702-7	1.463-7	1.258-7	9.489-8	6.763-8	5.967-8	5.243-8	3.924-8
24	111	1.660-6	1.583-6	1.429-6	1.385-6	1.351-6	1.310-6	1.292-6	1.294-6	1.299-6	1.269-6
24	112	6.759-7	6.264-7	5.728-7	5.588-7	5.477-7	5.322-7	5.202-7	5.181-7	5.170-7	4.987-7
24	113	2.511-5	2.493-5	2.441-5	2.414-5	2.381-5	2.292-5	2.086-5	1.971-5	1.832-5	1.484-5
24	114	1.074-7	8.605-8	6.423-8	5.837-8	5.349-8	4.564-8	3.674-8	3.349-8	3.026-8	2.371-8
24	115	5.941-8	4.344-8	2.937-8	2.584-8	2.299-8	1.859-8	1.398-8	1.243-8	1.096-8	8.251-9
24	116	9.081-7	9.224-7	9.460-7	9.505-7	9.497-7	9.270-7	8.426-7	7.942-7	7.376-7	5.999-7
24	117	1.346-6	1.339-6	1.335-6	1.336-6	1.337-6	1.344-6	1.363-6	1.373-6	1.383-6	1.347-6
24	118	3.023-7	2.982-7	2.920-7	2.894-7	2.864-7	2.784-7	2.606-7	2.511-7	2.397-7	2.079-7
24	119	8.172-7	8.131-7	7.936-7	7.805-7	7.631-7	7.114-7	5.985-7	5.437-7	4.841-7	3.591-7
24	120	5.600-7	5.632-7	5.538-7	5.496-7	5.461-7	5.419-7	5.435-7	5.473-7	5.526-7	5.451-7
24	121	1.643-7	1.609-7	1.542-7	1.513-7	1.481-7	1.405-7	1.254-7	1.176-7	1.086-7	8.696-8
24	122	3.260-7	3.256-7	3.283-7	3.280-7	3.262-7	3.165-7	2.878-7	2.720-7	2.535-7	2.079-7
24	123	2.592-7	2.573-7	2.537-7	2.518-7	2.493-7	2.421-7	2.271-7	2.202-7	2.129-7	1.918-7
24	124	7.433-7	7.422-7	7.363-7	7.320-7	7.261-7	7.074-7	6.610-7	6.358-7	6.059-7	5.241-7
24	125	3.694-8	3.669-8	3.584-8	3.528-8	3.454-8	3.233-8	2.767-8	2.551-8	2.321-8	1.832-8

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
25	26	9.231-2	7.405-2	4.547-2	3.645-2	2.896-2	1.842-2	1.117-2	9.696-3	8.654-3	7.260-3
25	27	3.757-2	3.422-2	2.575-2	2.188-2	1.807-2	1.162-2	6.159-3	4.870-3	3.870-3	2.469-3
25	28	4.836-2	4.550-2	3.764-2	3.464-2	3.206-2	2.859-2	2.670-2	2.643-2	2.628-2	2.546-2
25	29	1.371-2	1.245-2	8.531-3	6.964-3	5.558-3	3.455-3	2.033-3	1.789-3	1.653-3	1.552-3
25	30	1.122-1	1.011-1	8.375-2	7.803-2	7.317-2	6.630-2	6.135-2	6.008-2	5.894-2	5.547-2
25	31	8.008-2	7.530-2	6.244-2	5.741-2	5.303-2	4.696-2	4.328-2	4.260-2	4.212-2	4.034-2
25	32	3.650-2	3.403-2	3.218-2	3.217-2	3.341-2	4.205-2	6.396-2	7.369-2	8.395-2	1.010-1
25	33	1.146-2	1.003-2	7.549-3	6.699-3	6.073-3	5.839-3	7.298-3	8.138-3	9.079-3	1.069-2
25	34	2.544-1	2.566-1	2.624-1	2.693-1	2.871-1	3.754-1	5.757-1	6.610-1	7.490-1	8.894-1
25	35	9.173-2	9.235-2	9.366-2	9.569-2	1.014-1	1.294-1	1.918-1	2.179-1	2.447-1	2.859-1
25	36	7.940-2	8.061-2	8.186-2	8.372-2	8.880-2	1.132-1	1.662-1	1.882-1	2.105-1	2.445-1
25	37	1.225-2	1.237-2	1.222-2	1.231-2	1.280-2	1.560-2	2.187-2	2.447-2	2.709-2	3.103-2
25	38	1.307-2	1.269-2	1.198-2	1.161-2	1.119-2	1.029-2	8.987-3	8.478-3	7.972-3	6.868-3
25	39	1.788-2	1.694-2	1.400-2	1.247-2	1.088-2	8.079-3	5.588-3	4.969-3	4.468-3	3.634-3
25	40	7.356-2	5.753-2	4.440-2	3.933-2	3.424-2	2.520-2	1.692-2	1.478-2	1.299-2	9.985-3
25	41	2.334-2	2.368-2	2.354-2	2.381-2	2.483-2	2.998-2	4.103-2	4.554-2	5.009-2	5.668-2
25	42	3.018-2	3.078-2	3.055-2	3.078-2	3.189-2	3.772-2	5.032-2	5.547-2	6.066-2	6.806-2
25	43	1.309-3	1.359-3	1.078-3	9.246-4	7.710-4	5.098-4	2.931-4	2.442-4	2.076-4	1.568-4
25	44	4.718-3	4.253-3	3.230-3	2.750-3	2.288-3	1.552-3	1.029-3	9.356-4	8.810-4	8.204-4
25	45	5.978-3	5.777-3	4.459-3	3.813-3	3.201-3	2.262-3	1.643-3	1.545-3	1.496-3	1.443-3
25	46	3.247-3	3.378-3	2.769-3	2.381-3	1.978-3	1.274-3	6.803-4	5.442-4	4.414-4	3.013-4
25	47	1.851-3	1.756-3	1.332-3	1.130-3	9.333-4	6.072-4	3.410-4	2.805-4	2.344-4	1.692-4
25	48	5.997-3	5.085-3	3.207-3	2.559-3	2.008-3	1.213-3	6.425-4	5.194-4	4.269-4	2.980-4
25	49	1.098-2	8.540-3	5.003-3	3.937-3	3.066-3	1.856-3	1.021-3	8.454-4	7.156-4	5.350-4
25	50	3.409-4	2.883-4	2.015-4	1.668-4	1.341-4	8.086-5	3.805-5	2.853-5	2.147-5	1.241-5
25	51	1.216-3	1.109-3	8.395-4	7.181-4	6.038-4	4.225-4	2.835-4	2.540-4	2.329-4	2.022-4
25	52	1.473-3	1.147-3	8.056-4	6.875-4	5.796-4	4.070-4	2.625-4	2.266-4	1.975-4	1.514-4
25	53	3.005-3	3.040-3	2.989-3	3.017-3	3.128-3	3.628-3	4.607-3	5.004-3	5.405-3	5.945-3
25	54	8.607-4	8.910-4	8.531-4	8.435-4	8.557-4	9.574-4	1.186-3	1.283-3	1.382-3	1.516-3
25	55	9.755-3	8.740-3	6.878-3	6.143-3	5.470-3	4.397-3	3.459-3	3.195-3	2.953-3	2.460-3
25	56	2.560-2	2.747-2	2.316-2	2.013-2	1.701-2	1.165-2	7.090-3	5.989-3	5.106-3	3.735-3
25	57	7.425-2	7.413-2	7.489-2	7.684-2	8.068-2	9.408-2	1.177-1	1.271-1	1.366-1	1.490-1
25	58	5.655-4	4.955-4	3.522-4	2.910-4	2.340-4	1.438-4	7.304-5	5.711-5	4.504-5	2.871-5
25	59	1.656-3	1.524-3	1.337-3	1.303-3	1.309-3	1.441-3	1.750-3	1.880-3	2.012-3	2.185-3
25	60	2.514-3	2.234-3	1.556-3	1.290-3	1.052-3	6.902-4	4.119-4	3.475-4	2.964-4	2.174-4
25	61	9.502-4	8.278-4	6.191-4	5.405-4	4.695-4	3.571-4	2.603-4	2.346-4	2.130-4	1.752-4
25	62	2.641-3	2.366-3	1.598-3	1.295-3	1.029-3	6.294-4	3.334-4	2.683-4	2.188-4	1.489-4
25	63	1.124-3	1.090-3	1.019-3	1.017-3	1.042-3	1.172-3	1.424-3	1.527-3	1.632-3	1.768-3
25	64	1.927-3	1.709-3	1.137-3	9.163-4	7.229-4	4.372-4	2.280-4	1.824-4	1.479-4	9.979-5
25	65	6.734-3	5.614-3	3.535-3	2.796-3	2.163-3	1.245-3	5.871-4	4.468-4	3.427-4	2.055-4
25	66	2.845-3	2.785-3	2.616-3	2.594-3	2.620-3	2.812-3	3.214-3	3.386-3	3.564-3	3.770-3
25	67	2.323-3	1.810-3	1.076-3	8.485-4	6.607-4	3.979-4	2.161-4	1.785-4	1.509-4	1.133-4
25	68	4.152-3	3.376-3	2.021-3	1.583-3	1.219-3	7.071-4	3.463-4	2.689-4	2.107-4	1.317-4
25	69	3.432-3	2.931-3	2.447-3	2.366-3	2.345-3	2.445-3	2.723-3	2.847-3	2.977-3	3.115-3
25	70	3.840-3	3.080-3	1.817-3	1.425-3	1.103-3	6.523-4	3.372-4	2.699-4	2.195-4	1.499-4
25	71	1.267-3	8.743-4	4.975-4	4.064-4	3.381-4	2.527-4	2.013-4	1.916-4	1.847-4	1.708-4
25	72	6.171-4	4.238-4	2.256-4	1.746-4	1.346-4	8.033-5	4.276-5	3.469-5	2.863-5	2.023-5
25	73	1.175-3	9.166-4	6.400-4	5.710-4	5.193-4	4.525-4	3.940-4	3.730-4	3.508-4	2.978-4
25	74	2.533-3	2.227-3	1.951-3	1.903-3	1.885-3	1.913-3	1.998-3	2.031-3	2.062-3	2.039-3
25	75	1.048-2	1.018-2	1.017-2	1.042-2	1.085-2	1.212-2	1.411-2	1.490-2	1.571-2	1.667-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
25	76	4.734-4	3.242-4	1.810-4	1.448-4	1.165-4	7.823-5	5.196-5	4.645-5	4.237-5	3.603-5
25	77	3.005-2	2.952-2	2.984-2	3.066-2	3.197-2	3.568-2	4.144-2	4.375-2	4.613-2	4.892-2
25	78	2.236-2	2.206-2	2.234-2	2.293-2	2.387-2	2.651-2	3.059-2	3.224-2	3.393-2	3.589-2
25	79	2.744-4	1.965-4	1.311-4	1.154-4	1.032-4	8.654-5	7.320-5	6.952-5	6.624-5	5.901-5
25	80	9.372-2	9.398-2	9.690-2	9.984-2	1.041-1	1.153-1	1.325-1	1.395-1	1.467-1	1.548-1
25	81	2.424-4	2.105-4	1.707-4	1.587-4	1.487-4	1.336-4	1.179-4	1.119-4	1.056-4	8.992-5
25	82	1.052-3	1.049-3	1.073-3	1.100-3	1.140-3	1.245-3	1.404-3	1.470-3	1.540-3	1.618-3
25	83	1.122-3	1.114-3	1.126-3	1.147-3	1.179-3	1.267-3	1.404-3	1.462-3	1.524-3	1.588-3
25	84	1.642-3	1.637-3	1.670-3	1.711-3	1.770-3	1.925-3	2.162-3	2.260-3	2.365-3	2.479-3
25	85	1.961-4	1.777-4	1.477-4	1.381-4	1.299-4	1.167-4	1.010-4	9.453-5	8.741-5	7.064-5
25	86	1.004-4	9.102-5	7.298-5	6.702-5	6.207-5	5.495-5	4.889-5	4.707-5	4.534-5	4.084-5
25	87	6.391-4	6.316-4	6.171-4	6.165-4	6.201-4	6.347-4	6.567-4	6.643-4	6.707-4	6.568-4
25	88	1.874-4	1.814-4	1.717-4	1.684-4	1.655-4	1.599-4	1.501-4	1.452-4	1.394-4	1.227-4
25	89	2.454-4	2.177-4	1.431-4	1.145-4	8.950-5	5.267-5	2.574-5	1.988-5	1.548-5	9.541-6
25	90	7.639-5	7.389-5	6.935-5	6.805-5	6.702-5	6.477-5	5.872-5	5.526-5	5.120-5	4.143-5
25	91	2.803-5	2.691-5	2.538-5	2.497-5	2.464-5	2.393-5	2.205-5	2.094-5	1.963-5	1.631-5
25	92	4.887-5	4.621-5	4.321-5	4.270-5	4.250-5	4.206-5	3.933-5	3.752-5	3.534-5	2.978-5
25	93	8.742-5	8.525-5	8.029-5	7.881-5	7.774-5	7.632-5	7.430-5	7.327-5	7.201-5	6.690-5
25	94	3.760-4	3.398-4	2.200-4	1.774-4	1.415-4	9.006-5	5.314-5	4.499-5	3.870-5	2.918-5
25	95	3.135-4	3.123-4	3.137-4	3.167-4	3.209-4	3.281-4	3.272-4	3.234-4	3.178-4	2.941-4
25	96	6.447-5	6.105-5	5.450-5	5.250-5	5.091-5	4.863-5	4.625-5	4.534-5	4.435-5	4.091-5
25	97	8.556-5	8.082-5	6.432-5	5.825-5	5.302-5	4.513-5	3.809-5	3.592-5	3.380-5	2.894-5
25	98	3.975-5	3.602-5	3.051-5	2.879-5	2.723-5	2.429-5	1.991-5	1.803-5	1.606-5	1.202-5
25	99	4.546-5	4.036-5	3.439-5	3.291-5	3.175-5	2.979-5	2.646-5	2.484-5	2.303-5	1.884-5
25	100	8.902-5	8.494-5	7.963-5	7.810-5	7.678-5	7.421-5	6.942-5	6.695-5	6.405-5	5.589-5
25	101	1.556-5	1.478-5	1.403-5	1.388-5	1.375-5	1.334-5	1.199-5	1.122-5	1.034-5	8.283-6
25	102	1.752-4	1.738-4	1.727-4	1.730-4	1.738-4	1.762-4	1.805-4	1.825-4	1.842-4	1.803-4
25	103	7.703-5	7.702-5	7.705-5	7.734-5	7.775-5	7.859-5	7.932-5	7.948-5	7.949-5	7.638-5
25	104	3.043-5	2.870-5	2.444-5	2.280-5	2.136-5	1.920-5	1.744-5	1.696-5	1.650-5	1.513-5
25	105	3.972-5	3.946-5	3.911-5	3.899-5	3.890-5	3.875-5	3.857-5	3.848-5	3.832-5	3.650-5
25	106	4.678-4	4.651-4	4.660-4	4.701-4	4.758-4	4.891-4	5.085-4	5.173-4	5.267-4	5.259-4
25	107	2.793-5	2.698-5	1.927-5	1.607-5	1.323-5	8.974-6	5.679-6	4.880-6	4.220-6	3.138-6
25	108	3.115-3	3.122-3	3.145-3	3.183-3	3.235-3	3.359-3	3.570-3	3.672-3	3.785-3	3.873-3
25	109	2.161-5	1.754-5	1.355-5	1.255-5	1.178-5	1.076-5	1.004-5	9.877-6	9.735-6	9.184-6
25	110	1.540-5	1.354-5	1.118-5	1.045-5	9.823-6	8.824-6	7.676-6	7.210-6	6.694-6	5.450-6
25	111	1.714-5	1.650-5	1.595-5	1.594-5	1.600-5	1.630-5	1.697-5	1.734-5	1.777-5	1.801-5
25	112	3.083-5	3.060-5	3.074-5	3.092-5	3.116-5	3.177-5	3.308-5	3.385-5	3.476-5	3.538-5
25	113	1.180-4	1.181-4	1.180-4	1.179-4	1.176-4	1.165-4	1.128-4	1.106-4	1.079-4	9.834-5
25	114	1.310-6	1.116-6	9.076-7	8.497-7	8.004-7	7.164-7	6.072-7	5.629-7	5.166-7	4.165-7
25	115	8.913-7	6.969-7	4.965-7	4.422-7	3.971-7	3.257-7	2.482-7	2.212-7	1.952-7	1.457-7
25	116	5.538-6	5.483-6	5.460-6	5.452-6	5.433-6	5.328-6	4.986-6	4.792-6	4.561-6	3.933-6
25	117	5.209-6	5.101-6	5.041-6	5.027-6	5.007-6	4.931-6	4.730-6	4.628-6	4.509-6	4.118-6
25	118	1.184-6	1.123-6	1.053-6	1.030-6	1.006-6	9.537-7	8.525-7	8.006-7	7.402-7	5.938-7
25	119	1.921-5	1.950-5	2.005-5	2.024-5	2.039-5	2.052-5	2.038-5	2.027-5	2.010-5	1.900-5
25	120	3.314-6	3.304-6	3.095-6	3.005-6	2.920-6	2.766-6	2.551-6	2.456-6	2.349-6	2.055-6
25	121	9.945-7	9.727-7	9.426-7	9.297-7	9.148-7	8.760-7	7.933-7	7.509-7	7.019-7	5.807-7
25	122	1.262-6	1.241-6	1.215-6	1.205-6	1.194-6	1.168-6	1.114-6	1.086-6	1.053-6	9.471-7
25	123	7.373-6	7.351-6	7.411-6	7.434-6	7.454-6	7.480-6	7.506-6	7.517-6	7.519-6	7.222-6
25	124	4.292-6	4.287-6	4.258-6	4.239-6	4.214-6	4.141-6	3.967-6	3.871-6	3.754-6	3.370-6
25	125	1.012-6	1.012-6	1.010-6	1.008-6	1.006-6	1.001-6	9.952-7	9.941-7	9.924-7	9.515-7

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
26	27	1.822-2	1.636-2	1.253-2	1.106-2	9.682-3	7.408-3	5.481-3	5.011-3	4.633-3	3.970-3
26	28	1.909-2	1.957-2	1.720-2	1.567-2	1.394-2	1.049-2	6.948-3	5.970-3	5.135-3	3.733-3
26	29	1.841-2	1.702-2	1.248-2	1.036-2	8.362-3	5.247-3	3.075-3	2.663-3	2.379-3	1.993-3
26	30	8.278-2	7.782-2	5.916-2	5.129-2	4.394-2	3.188-2	2.149-2	1.884-2	1.664-2	1.296-2
26	31	6.556-2	6.635-2	5.434-2	4.780-2	4.112-2	2.921-2	1.834-2	1.558-2	1.334-2	9.820-3
26	32	5.029-2	4.812-2	4.622-2	4.633-2	4.812-2	6.024-2	9.211-2	1.071-1	1.238-1	1.539-1
26	33	1.100-2	1.053-2	7.792-3	6.618-3	5.586-3	4.281-3	4.064-3	4.297-3	4.661-3	5.440-3
26	34	1.797-1	1.715-1	1.670-1	1.697-1	1.804-1	2.390-1	3.791-1	4.415-1	5.081-1	6.229-1
26	35	2.649-1	2.708-1	2.790-1	2.875-1	3.089-1	4.115-1	6.404-1	7.386-1	8.413-1	1.010-0
26	36	2.143-2	2.156-2	2.163-2	2.206-2	2.341-2	3.026-2	4.556-2	5.207-2	5.883-2	6.973-2
26	37	2.452-3	2.481-3	2.278-3	2.217-3	2.234-3	2.631-3	3.729-3	4.220-3	4.738-3	5.581-3
26	38	3.098-3	2.461-3	1.797-3	1.567-3	1.347-3	9.669-4	6.289-4	5.466-4	4.824-4	3.860-4
26	39	1.096-2	9.484-3	7.121-3	6.147-3	5.202-3	3.613-3	2.299-3	2.002-3	1.779-3	1.452-3
26	40	7.130-3	6.596-3	5.396-3	4.789-3	4.144-3	2.950-3	1.849-3	1.574-3	1.352-3	1.005-3
26	41	6.851-3	6.717-3	6.177-3	6.016-3	6.003-3	6.621-3	8.368-3	9.134-3	9.929-3	1.111-2
26	42	2.310-2	2.339-2	2.316-2	2.349-2	2.472-2	3.086-2	4.411-2	4.961-2	5.522-2	6.375-2
26	43	2.062-2	2.466-2	2.542-2	2.412-2	2.233-2	1.855-2	1.482-2	1.386-2	1.307-2	1.156-2
26	44	3.432-3	2.659-3	1.773-3	1.455-3	1.164-3	7.054-4	3.537-4	2.786-4	2.245-4	1.563-4
26	45	7.378-3	6.269-3	4.403-3	3.683-3	3.039-3	2.107-3	1.538-3	1.459-3	1.427-3	1.404-3
26	46	2.433-2	2.381-2	2.015-2	1.797-2	1.568-2	1.157-2	7.988-3	7.143-3	6.488-3	5.443-3
26	47	3.054-2	2.411-2	1.684-2	1.436-2	1.208-2	8.408-3	5.413-3	4.713-3	4.167-3	3.324-3
26	48	6.371-3	4.969-3	3.329-3	2.784-3	2.300-3	1.555-3	9.684-4	8.327-4	7.266-4	5.638-4
26	49	6.781-3	6.562-3	5.450-3	4.791-3	4.103-3	2.889-3	1.847-3	1.603-3	1.415-3	1.130-3
26	50	7.431-4	7.497-4	6.015-4	5.201-4	4.377-4	2.959-4	1.759-4	1.480-4	1.267-4	9.619-5
26	51	1.548-3	1.587-3	1.420-3	1.337-3	1.277-3	1.264-3	1.412-3	1.493-3	1.582-3	1.701-3
26	52	1.062-3	9.058-4	6.806-4	5.814-4	4.839-4	3.184-4	1.757-4	1.405-4	1.123-4	7.074-5
26	53	1.896-3	1.919-3	1.880-3	1.896-3	1.973-3	2.335-3	3.052-3	3.341-3	3.631-3	4.031-3
26	54	2.533-3	2.532-3	2.521-3	2.589-3	2.751-3	3.375-3	4.509-3	4.955-3	5.401-3	6.017-3
26	55	2.938-3	2.588-3	1.989-3	1.690-3	1.387-3	8.636-4	4.256-4	3.257-4	2.504-4	1.502-4
26	56	5.283-3	4.608-3	3.272-3	2.720-3	2.201-3	1.367-3	7.050-4	5.574-4	4.467-4	2.975-4
26	57	1.964-3	1.919-3	1.758-3	1.727-3	1.744-3	1.931-3	2.357-3	2.538-3	2.724-3	2.973-3
26	58	1.714-3	1.748-3	1.675-3	1.627-3	1.599-3	1.647-3	1.873-3	1.984-3	2.102-3	2.257-3
26	59	4.914-3	4.882-3	4.883-3	5.017-3	5.306-3	6.348-3	8.186-3	8.907-3	9.628-3	1.059-2
26	60	9.590-3	8.399-3	6.836-3	6.258-3	5.725-3	4.838-3	3.927-3	3.612-3	3.292-3	2.600-3
26	61	8.737-4	6.990-4	4.818-4	4.070-4	3.408-4	2.395-4	1.623-4	1.456-4	1.334-4	1.151-4
26	62	2.241-2	1.982-2	1.387-2	1.156-2	9.496-3	6.323-3	3.829-3	3.229-3	2.738-3	1.953-3
26	63	2.896-4	2.797-4	2.219-4	1.939-4	1.677-4	1.265-4	9.588-5	8.978-5	8.570-5	7.909-5
26	64	6.601-3	5.851-3	4.359-3	3.771-3	3.240-3	2.407-3	1.702-3	1.510-3	1.337-3	1.016-3
26	65	1.755-2	1.752-2	1.306-2	1.075-2	8.559-3	5.085-3	2.411-3	1.825-3	1.388-3	8.125-4
26	66	7.042-3	7.023-3	6.089-3	5.688-3	5.360-3	4.984-3	4.882-3	4.903-3	4.935-3	4.842-3
26	67	7.127-3	6.409-3	4.441-3	3.611-3	2.857-3	1.702-3	8.329-4	6.436-4	5.023-4	3.139-4
26	68	7.380-3	6.235-3	4.013-3	3.213-3	2.520-3	1.500-3	7.524-4	5.883-4	4.636-4	2.913-4
26	69	6.852-4	5.618-4	3.713-4	3.121-4	2.631-4	1.935-4	1.413-4	1.290-4	1.191-4	1.023-4
26	70	8.545-3	7.936-3	5.262-3	4.206-3	3.281-3	1.917-3	9.250-4	7.119-4	5.532-4	3.421-4
26	71	4.407-4	3.482-4	2.117-4	1.690-4	1.336-4	8.350-5	4.784-5	4.017-5	3.445-5	2.638-5
26	72	7.768-4	5.972-4	3.735-4	3.097-4	2.581-4	1.858-4	1.304-4	1.161-4	1.036-4	8.107-5
26	73	3.496-4	2.970-4	1.882-4	1.494-4	1.161-4	6.784-5	3.299-5	2.543-5	1.974-5	1.206-5
26	74	3.008-3	2.508-3	1.794-3	1.608-3	1.480-3	1.368-3	1.396-3	1.437-3	1.488-3	1.546-3
26	75	3.674-3	3.235-3	2.643-3	2.526-3	2.484-3	2.577-3	2.887-3	3.034-3	3.192-3	3.384-3
26	76	5.386-4	4.562-4	3.457-4	3.149-4	2.918-4	2.662-4	2.595-4	2.619-4	2.661-4	2.675-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
26	77	2.796-3	2.147-3	1.209-3	9.360-4	7.176-4	4.208-4	2.184-4	1.755-4	1.435-4	9.907-5
26	78	2.764-3	2.097-3	1.215-3	9.685-4	7.759-4	5.240-4	3.663-4	3.372-4	3.177-4	2.881-4
26	79	4.412-4	3.405-4	2.118-4	1.752-4	1.459-4	1.056-4	7.610-5	6.886-5	6.271-5	5.142-5
26	80	2.917-3	2.166-3	1.242-3	9.897-4	7.922-4	5.328-4	3.671-4	3.349-4	3.120-4	2.754-4
26	81	1.117-1	1.116-1	1.155-1	1.195-1	1.250-1	1.395-1	1.614-1	1.703-1	1.795-1	1.902-1
26	82	2.576-2	2.584-2	2.689-2	2.788-2	2.924-2	3.272-2	3.784-2	3.990-2	4.206-2	4.461-2
26	83	3.850-2	3.855-2	4.008-2	4.151-2	4.349-2	4.845-2	5.577-2	5.874-2	6.183-2	6.545-2
26	84	3.833-3	3.791-3	3.869-3	3.976-3	4.129-3	4.526-3	5.120-3	5.364-3	5.621-3	5.905-3
26	85	2.083-3	1.991-3	1.892-3	1.860-3	1.828-3	1.756-3	1.610-3	1.530-3	1.433-3	1.180-3
26	86	1.784-2	1.792-2	1.855-2	1.908-2	1.978-2	2.147-2	2.390-2	2.490-2	2.596-2	2.702-2
26	87	1.839-3	1.796-3	1.729-3	1.705-3	1.682-3	1.629-3	1.523-3	1.466-3	1.396-3	1.199-3
26	88	5.736-5	4.849-5	3.944-5	3.718-5	3.545-5	3.278-5	2.886-5	2.701-5	2.495-5	2.022-5
26	89	1.275-4	1.103-4	7.239-5	5.832-5	4.606-5	2.791-5	1.443-5	1.142-5	9.119-6	5.876-6
26	90	4.918-5	4.189-5	3.359-5	3.131-5	2.943-5	2.642-5	2.262-5	2.106-5	1.943-5	1.584-5
26	91	2.665-5	2.244-5	1.778-5	1.645-5	1.531-5	1.337-5	1.095-5	9.992-6	9.010-6	6.973-6
26	92	3.255-4	3.203-4	3.241-4	3.291-4	3.353-4	3.446-4	3.378-4	3.289-4	3.173-4	2.815-4
26	93	4.042-3	4.090-3	4.247-3	4.357-3	4.493-3	4.807-3	5.249-3	5.435-3	5.630-3	5.803-3
26	94	2.261-4	1.899-4	1.250-4	1.024-4	8.285-5	5.434-5	3.340-5	2.876-5	2.517-5	1.966-5
26	95	1.422-4	1.388-4	1.357-4	1.356-4	1.361-4	1.376-4	1.388-4	1.388-4	1.384-4	1.323-4
26	96	8.373-5	8.108-5	7.768-5	7.699-5	7.655-5	7.542-5	7.120-5	6.863-5	6.554-5	5.704-5
26	97	2.316-4	2.289-4	2.232-4	2.213-4	2.195-4	2.150-4	2.036-4	1.972-4	1.893-4	1.665-4
26	98	2.630-5	2.387-5	2.082-5	1.994-5	1.917-5	1.770-5	1.520-5	1.399-5	1.265-5	9.678-6
26	99	3.839-5	3.509-5	3.167-5	3.087-5	3.024-5	2.894-5	2.600-5	2.442-5	2.262-5	1.836-5
26	100	5.110-5	4.881-5	4.632-5	4.563-5	4.500-5	4.362-5	4.062-5	3.902-5	3.713-5	3.199-5
26	101	7.402-6	6.395-6	5.534-6	5.306-6	5.107-6	4.732-6	4.121-6	3.831-6	3.508-6	2.772-6
26	102	1.630-4	1.632-4	1.635-4	1.641-4	1.651-4	1.675-4	1.718-4	1.736-4	1.753-4	1.715-4
26	103	1.367-4	1.379-4	1.391-4	1.401-4	1.412-4	1.434-4	1.451-4	1.454-4	1.453-4	1.395-4
26	104	3.498-5	3.457-5	3.337-5	3.296-5	3.264-5	3.225-5	3.199-5	3.189-5	3.172-5	3.011-5
26	105	8.968-5	8.971-5	8.944-5	8.939-5	8.936-5	8.918-5	8.809-5	8.733-5	8.625-5	8.063-5
26	106	5.391-5	5.148-5	4.911-5	4.882-5	4.881-5	4.931-5	5.057-5	5.126-5	5.202-5	5.170-5
26	107	3.552-5	3.274-5	2.425-5	2.112-5	1.842-5	1.447-5	1.146-5	1.073-5	1.011-5	8.830-6
26	108	4.715-4	4.669-4	4.609-4	4.636-4	4.686-4	4.829-4	5.091-4	5.221-4	5.365-4	5.459-4
26	109	8.984-5	8.609-5	8.246-5	8.160-5	8.090-5	7.951-5	7.660-5	7.499-5	7.296-5	6.607-5
26	110	4.082-5	3.888-5	3.590-5	3.490-5	3.397-5	3.210-5	2.888-5	2.726-5	2.539-5	2.070-5
26	111	1.166-4	1.138-4	1.128-4	1.133-4	1.141-4	1.159-4	1.179-4	1.186-4	1.192-4	1.160-4
26	112	6.586-5	6.593-5	6.651-5	6.681-5	6.709-5	6.746-5	6.751-5	6.746-5	6.731-5	6.450-5
26	113	7.159-6	6.544-6	5.749-6	5.505-6	5.292-6	4.924-6	4.415-6	4.183-6	3.917-6	3.244-6
26	114	1.966-6	1.883-6	1.822-6	1.811-6	1.801-6	1.772-6	1.696-6	1.658-6	1.613-6	1.469-6
26	115	8.579-7	7.318-7	6.078-7	5.734-7	5.428-7	4.841-7	3.930-7	3.538-7	3.128-7	2.300-7
26	116	1.630-6	1.654-6	1.727-6	1.749-6	1.759-6	1.728-6	1.566-6	1.471-6	1.360-6	1.098-6
26	117	1.546-6	1.455-6	1.356-6	1.326-6	1.298-6	1.237-6	1.127-6	1.074-6	1.015-6	8.650-7
26	118	1.669-6	1.658-6	1.651-6	1.648-6	1.642-6	1.614-6	1.529-6	1.481-6	1.422-6	1.250-6
26	119	1.067-5	1.070-5	1.085-5	1.092-5	1.099-5	1.112-5	1.131-5	1.140-5	1.147-5	1.117-5
26	120	5.813-5	5.775-5	5.679-5	5.628-5	5.565-5	5.387-5	4.963-5	4.725-5	4.439-5	3.693-5
26	121	1.289-6	1.301-6	1.314-6	1.314-6	1.309-6	1.273-6	1.163-6	1.101-6	1.028-6	8.455-7
26	122	1.081-6	1.067-6	1.050-6	1.042-6	1.031-6	9.951-7	9.046-7	8.553-7	7.976-7	6.542-7
26	123	3.405-6	3.380-6	3.395-6	3.399-6	3.396-6	3.368-6	3.277-6	3.227-6	3.167-6	2.927-6
26	124	1.016-6	1.011-6	9.998-7	9.932-7	9.844-7	9.574-7	8.953-7	8.638-7	8.277-7	7.274-7
26	125	1.478-6	1.475-6	1.462-6	1.453-6	1.440-6	1.402-6	1.306-6	1.253-6	1.190-6	1.019-6
27	28	2.963-2	2.569-2	1.780-2	1.470-2	1.191-2	7.569-3	4.091-3	3.258-3	2.594-3	1.625-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
27	29	6.217-3	5.146-3	3.359-3	2.705-3	2.127-3	1.255-3	5.970-4	4.516-4	3.420-4	1.961-4
27	30	5.311-2	4.838-2	4.270-2	4.085-2	3.932-2	3.761-2	3.760-2	3.803-2	3.872-2	3.970-2
27	31	3.015-2	3.084-2	2.631-2	2.398-2	2.170-2	1.788-2	1.473-2	1.401-2	1.347-2	1.252-2
27	32	5.962-3	4.604-3	2.929-3	2.450-3	2.052-3	1.452-3	9.339-4	7.894-4	6.626-4	4.507-4
27	33	5.223-3	4.671-3	3.139-3	2.549-3	2.024-3	1.234-3	6.586-4	5.408-4	4.584-4	3.574-4
27	34	5.900-3	4.894-3	3.660-3	3.287-3	2.959-3	2.419-3	1.863-3	1.683-3	1.514-3	1.196-3
27	35	5.966-3	4.748-3	3.654-3	3.340-3	3.056-3	2.552-3	1.935-3	1.707-3	1.480-3	1.048-3
27	36	9.123-2	9.341-2	9.594-2	9.877-2	1.061-1	1.406-1	2.166-1	2.489-1	2.823-1	3.366-1
27	37	8.394-2	8.629-2	8.891-2	9.170-2	9.875-2	1.317-1	2.037-1	2.342-1	2.657-1	3.165-1
27	38	1.032-2	8.428-3	6.840-3	6.403-3	6.034-3	5.486-3	5.088-3	5.023-3	4.994-3	4.853-3
27	39	1.203-2	1.393-2	1.450-2	1.393-2	1.306-2	1.101-2	8.550-3	7.763-3	7.022-3	5.561-3
27	40	1.065-2	1.157-2	1.150-2	1.110-2	1.059-2	9.526-3	8.441-3	8.137-3	7.869-3	7.203-3
27	41	4.174-2	4.307-2	4.363-2	4.471-2	4.768-2	6.150-2	9.067-2	1.027-1	1.150-1	1.339-1
27	42	3.775-3	3.865-3	3.700-3	3.579-3	3.444-3	3.164-3	2.793-3	2.658-3	2.528-3	2.237-3
27	43	3.023-4	2.905-4	2.168-4	1.846-4	1.539-4	1.028-4	5.844-5	4.735-5	3.837-5	2.490-5
27	44	2.385-3	2.023-3	1.337-3	1.099-3	8.940-4	6.072-4	4.384-4	4.160-4	4.078-4	4.041-4
27	45	7.877-3	7.236-3	5.407-3	4.827-3	4.448-3	4.397-3	5.328-3	5.814-3	6.336-3	7.129-3
27	46	3.497-3	2.893-3	2.251-3	1.972-3	1.672-3	1.104-3	5.783-4	4.524-4	3.564-4	2.268-4
27	47	1.178-3	1.055-3	8.319-4	7.265-4	6.196-4	4.321-4	2.663-4	2.254-4	1.925-4	1.419-4
27	48	3.903-3	3.408-3	2.356-3	1.938-3	1.552-3	9.407-4	4.590-4	3.509-4	2.694-4	1.603-4
27	49	5.511-3	4.388-3	2.793-3	2.249-3	1.771-3	1.051-3	5.060-4	3.856-4	2.951-4	1.743-4
27	50	2.121-4	2.274-4	1.850-4	1.605-4	1.359-4	9.354-5	5.545-5	4.544-5	3.707-5	2.401-5
27	51	2.032-4	2.236-4	1.994-4	1.764-4	1.511-4	1.045-4	6.192-5	5.104-5	4.218-5	2.876-5
27	52	4.063-4	4.178-4	3.844-4	3.454-4	3.006-4	2.165-4	1.396-4	1.203-4	1.050-4	8.117-5
27	53	2.430-4	2.866-4	2.702-4	2.425-4	2.112-4	1.552-4	1.095-4	9.979-5	9.298-5	8.297-5
27	54	3.018-4	3.136-4	3.033-4	2.969-4	2.949-4	3.112-4	3.628-4	3.866-4	4.117-4	4.452-4
27	55	1.323-2	1.005-2	6.806-3	5.734-3	4.758-3	3.187-3	1.879-3	1.560-3	1.301-3	8.993-4
27	56	9.872-3	8.517-3	6.772-3	6.162-3	5.605-3	4.696-3	3.848-3	3.591-3	3.349-3	2.830-3
27	57	4.333-2	4.344-2	4.420-2	4.563-2	4.835-2	5.771-2	7.415-2	8.063-2	8.713-2	9.585-2
27	58	1.365-4	1.377-4	1.171-4	1.027-4	8.731-5	5.934-5	3.371-5	2.711-5	2.171-5	1.362-5
27	59	2.611-4	3.086-4	2.974-4	2.717-4	2.445-4	2.025-4	1.788-4	1.769-4	1.775-4	1.773-4
27	60	1.320-3	1.073-3	7.617-4	6.376-4	5.210-4	3.335-4	1.831-4	1.484-4	1.215-4	8.267-5
27	61	3.735-4	3.437-4	2.574-4	2.214-4	1.883-4	1.347-4	8.684-5	7.348-5	6.183-5	4.242-5
27	62	1.364-3	1.290-3	9.567-4	8.008-4	6.536-4	4.180-4	2.291-4	1.849-4	1.500-4	9.904-5
27	63	1.457-4	1.259-4	9.466-5	8.347-5	7.361-5	5.871-5	4.718-5	4.453-5	4.250-5	3.865-5
27	64	1.659-3	1.613-3	1.185-3	9.789-4	7.846-4	4.770-4	2.372-4	1.834-4	1.425-4	8.666-5
27	65	1.910-3	1.589-3	1.018-3	8.134-4	6.351-4	3.708-4	1.769-4	1.350-4	1.039-4	6.265-5
27	66	8.255-3	8.194-3	8.193-3	8.409-3	8.842-3	1.030-2	1.279-2	1.378-2	1.477-2	1.606-2
27	67	3.156-3	2.860-3	1.962-3	1.590-3	1.254-3	7.423-4	3.581-4	2.740-4	2.109-4	1.265-4
27	68	3.853-3	3.157-3	2.008-3	1.600-3	1.247-3	7.300-4	3.563-4	2.764-4	2.171-4	1.387-4
27	69	1.913-4	1.623-4	1.141-4	9.825-5	8.446-5	6.300-5	4.370-5	3.810-5	3.305-5	2.409-5
27	70	1.719-3	1.602-3	1.067-3	8.589-4	6.781-4	4.144-4	2.242-4	1.833-4	1.526-4	1.098-4
27	71	2.086-4	1.858-4	1.287-4	1.079-4	8.998-5	6.359-5	4.378-5	3.922-5	3.563-5	2.975-5
27	72	1.268-4	1.002-4	6.176-5	4.958-5	3.935-5	2.454-5	1.357-5	1.111-5	9.209-6	6.500-6
27	73	2.818-4	2.397-4	1.749-4	1.564-4	1.424-4	1.246-4	1.073-4	9.996-5	9.188-5	7.338-5
27	74	2.057-3	1.998-3	1.933-3	1.951-3	2.005-3	2.196-3	2.534-3	2.675-3	2.823-3	2.999-3
27	75	1.512-3	1.442-3	1.375-3	1.385-3	1.425-3	1.570-3	1.825-3	1.931-3	2.041-3	2.174-3
27	76	9.511-5	7.962-5	5.261-5	4.339-5	3.535-5	2.311-5	1.313-5	1.062-5	8.554-6	5.419-6
27	77	1.315-3	1.186-3	9.840-4	9.306-4	8.959-4	8.740-4	9.036-4	9.249-4	9.494-4	9.659-4
27	78	1.132-3	1.041-3	8.983-4	8.665-4	8.523-4	8.669-4	9.344-4	9.677-4	1.003-3	1.037-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
27	79	3.082-4	2.667-4	1.948-4	1.732-4	1.561-4	1.334-4	1.176-4	1.138-4	1.104-4	1.014-4
27	80	9.311-4	6.509-4	3.540-4	2.773-4	2.176-4	1.374-4	8.142-5	6.856-5	5.815-5	4.156-5
27	81	2.234-4	1.432-4	7.387-5	5.744-5	4.494-5	2.853-5	1.709-5	1.440-5	1.221-5	8.712-6
27	82	3.647-4	2.344-4	1.305-4	1.084-4	9.321-5	7.705-5	7.180-5	7.245-5	7.395-5	7.552-5
27	83	1.142-2	1.142-2	1.183-2	1.223-2	1.277-2	1.414-2	1.615-2	1.696-2	1.780-2	1.873-2
27	84	5.698-2	5.733-2	5.971-2	6.171-2	6.440-2	7.103-2	8.073-2	8.467-2	8.878-2	9.335-2
27	85	4.491-5	3.916-5	3.109-5	2.867-5	2.668-5	2.361-5	1.980-5	1.822-5	1.655-5	1.297-5
27	86	9.361-4	9.360-4	9.536-4	9.733-4	1.001-3	1.073-3	1.181-3	1.227-3	1.276-3	1.324-3
27	87	4.282-5	3.772-5	2.764-5	2.422-5	2.132-5	1.701-5	1.316-5	1.197-5	1.082-5	8.512-6
27	88	5.192-5	4.989-5	4.701-5	4.628-5	4.580-5	4.535-5	4.499-5	4.482-5	4.459-5	4.250-5
27	89	2.855-4	2.429-4	1.555-4	1.243-4	9.758-5	5.904-5	3.149-5	2.562-5	2.124-5	1.517-5
27	90	6.883-5	6.687-5	6.432-5	6.376-5	6.349-5	6.359-5	6.441-5	6.483-5	6.520-5	6.343-5
27	91	9.499-6	8.364-6	6.544-6	5.958-6	5.453-6	4.631-6	3.693-6	3.344-6	2.990-6	2.275-6
27	92	1.723-5	1.536-5	1.274-5	1.190-5	1.114-5	9.744-6	7.820-6	7.026-6	6.202-6	4.536-6
27	93	4.503-5	4.420-5	4.361-5	4.400-5	4.475-5	4.693-5	5.050-5	5.212-5	5.389-5	5.548-5
27	94	8.482-5	7.588-5	4.834-5	3.842-5	2.997-5	1.777-5	8.948-6	7.007-6	5.526-6	3.465-6
27	95	1.656-5	1.378-5	1.013-5	9.074-6	8.183-6	6.733-6	5.071-6	4.464-6	3.865-6	2.733-6
27	96	2.503-5	2.292-5	1.946-5	1.844-5	1.762-5	1.620-5	1.395-5	1.289-5	1.174-5	9.187-6
27	97	4.441-5	4.104-5	3.554-5	3.383-5	3.244-5	3.052-5	2.915-5	2.883-5	2.853-5	2.698-5
27	98	1.007-5	8.517-6	6.868-6	6.409-6	6.014-6	5.328-6	4.444-6	4.107-6	3.777-6	3.110-6
27	99	1.076-4	1.062-4	1.054-4	1.062-4	1.074-4	1.090-4	1.071-4	1.050-4	1.022-4	9.265-5
27	100	3.035-5	2.914-5	2.781-5	2.757-5	2.738-5	2.671-5	2.429-5	2.284-5	2.112-5	1.696-5
27	101	1.019-4	1.018-4	1.010-4	1.006-4	1.001-4	9.837-5	9.299-5	8.983-5	8.597-5	7.485-5
27	102	6.921-6	6.260-6	5.579-6	5.357-6	5.133-6	4.624-6	3.741-6	3.359-6	2.966-6	2.190-6
27	103	1.017-4	1.024-4	1.036-4	1.046-4	1.058-4	1.080-4	1.098-4	1.102-4	1.103-4	1.061-4
27	104	4.759-5	4.403-5	3.723-5	3.467-5	3.238-5	2.877-5	2.528-5	2.412-5	2.294-5	1.997-5
27	105	1.136-5	1.115-5	1.080-5	1.067-5	1.054-5	1.028-5	9.869-6	9.687-6	9.479-6	8.738-6
27	106	2.558-3	2.596-3	2.658-3	2.710-3	2.773-3	2.916-3	3.134-3	3.234-3	3.344-3	3.439-3
27	107	2.543-5	2.393-5	1.628-5	1.319-5	1.046-5	6.402-6	3.378-6	2.703-6	2.185-6	1.449-6
27	108	7.662-5	7.558-5	7.191-5	7.040-5	6.889-5	6.568-5	5.977-5	5.670-5	5.302-5	4.353-5
27	109	8.671-6	7.450-6	6.058-6	5.661-6	5.330-6	4.805-6	4.191-6	3.936-6	3.652-6	2.964-6
27	110	2.996-6	2.653-6	2.111-6	1.944-6	1.802-6	1.571-6	1.300-6	1.197-6	1.091-6	8.677-7
27	111	7.577-5	7.308-5	7.240-5	7.316-5	7.426-5	7.695-5	8.153-5	8.381-5	8.638-5	8.838-5
27	112	3.807-6	3.429-6	3.051-6	2.960-6	2.890-6	2.798-6	2.728-6	2.713-6	2.701-6	2.587-6
27	113	1.385-4	1.397-4	1.424-4	1.435-4	1.445-4	1.463-4	1.482-4	1.491-4	1.500-4	1.462-4
27	114	5.311-7	4.594-7	3.763-7	3.509-7	3.281-7	2.861-7	2.272-7	2.031-7	1.784-7	1.295-7
27	115	4.332-7	3.747-7	3.050-7	2.831-7	2.638-7	2.303-7	1.898-7	1.747-7	1.598-7	1.292-7
27	116	1.775-6	1.737-6	1.687-6	1.666-6	1.642-6	1.575-6	1.424-6	1.345-6	1.253-6	1.026-6
27	117	3.009-6	3.097-6	3.254-6	3.298-6	3.322-6	3.290-6	3.059-6	2.918-6	2.750-6	2.313-6
27	118	1.630-6	1.627-6	1.613-6	1.604-6	1.591-6	1.547-6	1.432-6	1.369-6	1.294-6	1.093-6
27	119	1.197-6	1.168-6	1.118-6	1.094-6	1.065-6	9.877-7	8.285-7	7.521-7	6.691-7	4.942-7
27	120	1.981-5	2.008-5	2.017-5	2.020-5	2.026-5	2.049-5	2.114-5	2.156-5	2.208-5	2.234-5
27	121	1.759-6	1.733-6	1.686-6	1.667-6	1.647-6	1.601-6	1.508-6	1.458-6	1.398-6	1.220-6
27	122	6.980-7	6.898-7	6.800-7	6.749-7	6.677-7	6.452-7	5.926-7	5.658-7	5.354-7	4.580-7
27	123	8.597-7	8.318-7	7.956-7	7.808-7	7.638-7	7.181-7	6.225-7	5.760-7	5.248-7	4.112-7
27	124	1.906-6	1.903-6	1.889-6	1.881-6	1.869-6	1.838-6	1.769-6	1.733-6	1.691-6	1.543-6
27	125	2.919-6	2.922-6	2.923-6	2.923-6	2.924-6	2.928-6	2.946-6	2.957-6	2.965-6	2.861-6
28	29	4.489-3	3.896-3	2.693-3	2.204-3	1.753-3	1.042-3	4.862-4	3.629-4	2.709-4	1.513-4
28	30	2.530-2	2.104-2	1.600-2	1.424-2	1.263-2	9.956-3	7.496-3	6.789-3	6.155-3	4.974-3
28	31	5.711-2	5.736-2	4.882-2	4.477-2	4.093-2	3.495-2	3.080-2	3.018-2	3.008-2	3.034-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
28	32	1.144-2	1.092-2	1.017-2	1.003-2	1.037-2	1.372-2	2.304-2	2.680-2	3.025-2	3.444-2
28	33	1.161-2	1.058-2	7.793-3	6.685-3	5.784-3	5.037-3	5.991-3	6.588-3	7.177-3	7.888-3
28	34	7.987-3	6.632-3	4.855-3	4.290-3	3.800-3	3.053-3	2.465-3	2.333-3	2.236-3	2.057-3
28	35	5.184-3	4.523-3	3.418-3	3.011-3	2.638-3	2.016-3	1.414-3	1.234-3	1.073-3	7.904-4
28	36	3.368-2	3.410-2	3.405-2	3.471-2	3.696-2	4.863-2	7.530-2	8.692-2	9.922-2	1.199-1
28	37	1.550-2	1.565-2	1.541-2	1.559-2	1.643-2	2.110-2	3.188-2	3.658-2	4.155-2	4.988-2
28	38	9.612-3	8.091-3	6.403-3	5.840-3	5.323-3	4.420-3	3.399-3	3.043-3	2.699-3	2.043-3
28	39	2.723-3	2.152-3	1.441-3	1.198-3	9.758-4	6.196-4	3.314-4	2.661-4	2.169-4	1.500-4
28	40	3.357-3	2.681-3	1.895-3	1.657-3	1.454-3	1.158-3	9.416-4	8.945-4	8.588-4	7.878-4
28	41	1.700-1	1.759-1	1.789-1	1.842-1	1.983-1	2.633-1	4.010-1	4.585-1	5.179-1	6.123-1
28	42	5.476-3	5.552-3	5.151-3	4.919-3	4.682-3	4.271-3	3.959-3	3.919-3	3.913-3	3.843-3
28	43	2.807-3	2.613-3	2.000-3	1.735-3	1.480-3	1.046-3	6.608-4	5.603-4	4.756-4	3.366-4
28	44	2.682-3	2.458-3	1.865-3	1.616-3	1.404-3	1.157-3	1.142-3	1.193-3	1.264-3	1.386-3
28	45	1.809-2	1.777-2	1.547-2	1.496-2	1.514-2	1.807-2	2.536-2	2.847-2	3.167-2	3.657-2
28	46	1.236-2	1.238-2	1.108-2	1.022-2	9.262-3	7.416-3	5.574-3	5.054-3	4.594-3	3.728-3
28	47	1.914-2	1.499-2	1.083-2	9.484-3	8.247-3	6.209-3	4.457-3	4.025-3	3.675-3	3.077-3
28	48	1.692-2	1.445-2	1.030-2	8.708-3	7.246-3	4.903-3	2.957-3	2.476-3	2.081-3	1.457-3
28	49	1.475-2	1.304-2	9.976-3	8.544-3	7.125-3	4.701-3	2.635-3	2.141-3	1.751-3	1.177-3
28	50	3.322-4	2.823-4	1.932-4	1.604-4	1.306-4	8.307-5	4.407-5	3.470-5	2.730-5	1.668-5
28	51	2.846-4	2.774-4	2.119-4	1.792-4	1.470-4	9.275-5	4.705-5	3.626-5	2.789-5	1.636-5
28	52	3.705-4	3.276-4	2.583-4	2.283-4	1.985-4	1.461-4	9.644-5	8.282-5	7.119-5	5.205-5
28	53	2.312-4	2.410-4	1.953-4	1.694-4	1.434-4	9.889-5	6.132-5	5.263-5	4.603-5	3.651-5
28	54	2.633-4	2.792-4	2.453-4	2.288-4	2.167-4	2.123-4	2.371-4	2.513-4	2.672-4	2.894-4
28	55	8.651-4	8.262-4	6.431-4	5.461-4	4.471-4	2.754-4	1.307-4	9.771-5	7.303-5	4.094-5
28	56	1.052-3	9.961-4	7.702-4	6.607-4	5.547-4	3.813-4	2.440-4	2.137-4	1.912-4	1.578-4
28	57	4.370-3	4.304-3	4.140-3	4.205-3	4.426-3	5.340-3	7.043-3	7.717-3	8.392-3	9.316-3
28	58	3.408-4	3.159-4	2.503-4	2.156-4	1.799-4	1.171-4	6.203-5	4.863-5	3.807-5	2.311-5
28	59	7.765-4	7.001-4	5.968-4	5.701-4	5.599-4	5.927-4	7.026-4	7.521-4	8.037-4	8.723-4
28	60	4.056-3	4.054-3	3.883-3	3.783-3	3.678-3	3.479-3	3.218-3	3.110-3	2.989-3	2.656-3
28	61	5.680-4	4.518-4	3.341-4	2.936-4	2.560-4	1.944-4	1.427-4	1.306-4	1.215-4	1.065-4
28	62	6.758-3	6.493-3	4.948-3	4.263-3	3.619-3	2.575-3	1.703-3	1.483-3	1.298-3	9.843-4
28	63	2.776-3	2.800-3	2.832-3	2.927-3	3.114-3	3.753-3	4.845-3	5.270-3	5.695-3	6.261-3
28	64	2.658-3	2.510-3	1.967-3	1.683-3	1.393-3	8.900-4	4.580-4	3.565-4	2.784-4	1.707-4
28	65	5.560-3	5.026-3	3.551-3	2.917-3	2.332-3	1.416-3	7.112-4	5.548-4	4.368-4	2.767-4
28	66	1.443-2	1.424-2	1.395-2	1.406-2	1.439-2	1.572-2	1.819-2	1.923-2	2.030-2	2.158-2
28	67	3.706-3	3.271-3	2.297-3	1.874-3	1.482-3	8.679-4	3.992-4	2.975-4	2.225-4	1.261-4
28	68	1.499-3	1.480-3	1.092-3	9.024-4	7.247-4	4.468-4	2.350-4	1.888-4	1.545-4	1.078-4
28	69	3.845-4	3.430-4	2.381-4	1.993-4	1.652-4	1.143-4	7.665-5	6.861-5	6.274-5	5.384-5
28	70	4.774-3	4.900-3	3.658-3	3.019-3	2.418-3	1.474-3	7.508-4	5.927-4	4.749-4	3.163-4
28	71	3.195-4	2.974-4	2.395-4	2.197-4	2.050-4	1.916-4	1.963-4	2.021-4	2.093-4	2.173-4
28	72	2.436-4	1.914-4	1.201-4	9.839-5	8.034-5	5.475-5	3.688-5	3.330-5	3.081-5	2.718-5
28	73	1.128-3	1.074-3	9.542-4	9.108-4	8.744-4	8.238-4	7.870-4	7.777-4	7.690-4	7.278-4
28	74	1.277-3	1.203-3	1.126-3	1.133-3	1.170-3	1.316-3	1.576-3	1.682-3	1.791-3	1.930-3
28	75	4.293-4	3.667-4	2.628-4	2.285-4	2.005-4	1.637-4	1.438-4	1.419-4	1.420-4	1.405-4
28	76	2.741-4	2.244-4	1.551-4	1.311-4	1.100-4	7.748-5	5.067-5	4.382-5	3.812-5	2.885-5
28	77	1.869-3	1.629-3	1.179-3	1.046-3	9.514-4	8.636-4	8.792-4	9.078-4	9.441-4	9.892-4
28	78	1.569-3	1.333-3	8.551-4	6.989-4	5.710-4	3.980-4	2.898-4	2.712-4	2.599-4	2.429-4
28	79	1.563-3	1.544-3	1.496-3	1.482-3	1.474-3	1.473-3	1.483-3	1.488-3	1.490-3	1.440-3
28	80	7.351-4	5.735-4	3.303-4	2.563-4	1.959-4	1.120-4	5.377-5	4.136-5	3.206-5	1.957-5
28	81	3.163-3	2.618-3	2.143-3	2.025-3	1.929-3	1.775-3	1.580-3	1.492-3	1.391-3	1.137-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
28	82	2.185-2	2.193-2	2.290-2	2.382-2	2.509-2	2.830-2	3.302-2	3.491-2	3.687-2	3.920-2
28	83	2.064-3	1.882-3	1.685-3	1.656-3	1.655-3	1.714-3	1.863-3	1.935-3	2.014-3	2.097-3
28	84	1.193-3	1.083-3	9.888-4	9.888-4	1.010-3	1.097-3	1.254-3	1.321-3	1.391-3	1.474-3
28	85	1.736-4	1.218-4	6.926-5	5.516-5	4.380-5	2.782-5	1.592-5	1.312-5	1.087-5	7.469-6
28	86	3.404-2	3.425-2	3.567-2	3.683-2	3.836-2	4.206-2	4.749-2	4.973-2	5.209-2	5.469-2
28	87	1.014-3	8.168-4	6.207-4	5.687-4	5.265-4	4.635-4	3.985-4	3.736-4	3.465-4	2.818-4
28	88	1.335-4	1.124-4	9.470-5	9.052-5	8.740-5	8.338-5	8.028-5	7.936-5	7.839-5	7.375-5
28	89	2.233-4	1.845-4	1.289-4	1.078-4	8.854-5	5.840-5	3.513-5	2.999-5	2.614-5	2.052-5
28	90	2.139-4	2.014-4	1.898-4	1.874-4	1.862-4	1.859-4	1.881-4	1.893-4	1.902-4	1.847-4
28	91	3.392-5	2.785-5	2.186-5	2.032-5	1.908-5	1.716-5	1.485-5	1.391-5	1.292-5	1.064-5
28	92	5.106-5	4.391-5	3.662-5	3.456-5	3.277-5	2.955-5	2.487-5	2.281-5	2.057-5	1.571-5
28	93	1.392-2	1.414-2	1.485-2	1.534-2	1.595-2	1.735-2	1.937-2	2.022-2	2.114-2	2.215-2
28	94	2.785-4	2.623-4	1.933-4	1.609-4	1.303-4	8.163-5	4.325-5	3.450-5	2.777-5	1.824-5
28	95	2.276-5	1.769-5	1.191-5	1.032-5	9.036-6	7.121-6	5.306-6	4.718-6	4.156-6	3.091-6
28	96	1.109-4	1.080-4	1.046-4	1.039-4	1.035-4	1.034-4	1.036-4	1.037-4	1.037-4	9.966-5
28	97	1.995-4	1.815-4	1.594-4	1.531-4	1.481-4	1.416-4	1.369-4	1.356-4	1.343-4	1.268-4
28	98	1.733-5	1.409-5	1.074-5	9.796-6	8.974-6	7.561-6	5.813-6	5.149-6	4.486-6	3.208-6
28	99	1.553-4	1.509-4	1.468-4	1.462-4	1.461-4	1.473-4	1.508-4	1.526-4	1.543-4	1.514-4
28	100	1.967-5	1.666-5	1.354-5	1.273-5	1.207-5	1.100-5	9.626-6	9.042-6	8.409-6	6.940-6
28	101	3.377-5	3.203-5	3.035-5	2.990-5	2.949-5	2.855-5	2.651-5	2.543-5	2.415-5	2.069-5
28	102	9.608-6	9.003-6	8.100-6	7.767-6	7.443-6	6.772-6	5.690-6	5.219-6	4.724-6	3.687-6
28	103	4.468-4	4.510-4	4.567-4	4.607-4	4.656-4	4.764-4	4.912-4	4.970-4	5.023-4	4.921-4
28	104	9.398-5	9.280-5	8.911-5	8.764-5	8.624-5	8.333-5	7.802-5	7.535-5	7.219-5	6.316-5
28	105	1.043-4	1.039-4	1.032-4	1.033-4	1.036-4	1.047-4	1.068-4	1.077-4	1.085-4	1.057-4
28	106	5.976-5	5.362-5	4.438-5	4.140-5	3.894-5	3.561-5	3.391-5	3.390-5	3.412-5	3.368-5
28	107	8.457-5	7.756-5	5.788-5	5.091-5	4.498-5	3.621-5	2.902-5	2.702-5	2.518-5	2.127-5
28	108	9.303-5	7.368-5	4.666-5	3.811-5	3.100-5	2.088-5	1.331-5	1.148-5	9.938-6	7.342-6
28	109	2.635-4	2.543-4	2.394-4	2.339-4	2.287-4	2.181-4	1.993-4	1.895-4	1.777-4	1.467-4
28	110	1.736-5	1.403-5	8.812-6	7.225-6	5.930-6	4.097-6	2.669-6	2.295-6	1.970-6	1.412-6
28	111	1.150-3	1.107-3	1.104-3	1.121-3	1.145-3	1.201-3	1.293-3	1.338-3	1.390-3	1.442-3
28	112	6.838-4	6.965-4	7.299-4	7.449-4	7.600-4	7.903-4	8.392-4	8.641-4	8.924-4	9.169-4
28	113	1.094-5	1.036-5	9.997-6	9.959-6	9.958-6	1.004-5	1.033-5	1.052-5	1.074-5	1.082-5
28	114	1.708-6	1.606-6	1.497-6	1.462-6	1.424-6	1.329-6	1.134-6	1.039-6	9.339-7	7.068-7
28	115	5.128-7	4.202-7	3.241-7	2.970-7	2.732-7	2.312-7	1.761-7	1.547-7	1.335-7	9.348-8
28	116	1.489-6	1.441-6	1.389-6	1.376-6	1.366-6	1.354-6	1.348-6	1.348-6	1.347-6	1.293-6
28	117	6.527-6	6.492-6	6.497-6	6.516-6	6.545-6	6.629-6	6.815-6	6.907-6	6.998-6	6.883-6
28	118	7.007-7	6.682-7	6.169-7	5.989-7	5.816-7	5.467-7	4.919-7	4.667-7	4.382-7	3.671-7
28	119	1.018-6	9.674-7	9.074-7	8.846-7	8.595-7	7.972-7	6.786-7	6.249-7	5.688-7	4.517-7
28	120	4.570-5	4.556-5	4.507-5	4.478-5	4.439-5	4.323-5	4.024-5	3.853-5	3.644-5	3.078-5
28	121	1.037-6	1.030-6	1.026-6	1.025-6	1.023-6	1.011-6	9.689-7	9.445-7	9.144-7	8.182-7
28	122	4.697-6	4.721-6	4.832-6	4.851-6	4.840-6	4.705-6	4.258-6	4.010-6	3.724-6	3.036-6
28	123	3.567-6	3.504-6	3.519-6	3.517-6	3.497-6	3.387-6	3.062-6	2.884-6	2.677-6	2.177-6
28	124	7.116-7	7.095-7	7.040-7	7.007-7	6.963-7	6.835-7	6.554-7	6.415-7	6.251-7	5.698-7
28	125	1.063-6	1.061-6	1.050-6	1.042-6	1.031-6	9.959-7	9.119-7	8.678-7	8.168-7	6.875-7
29	30	4.828-2	4.155-2	2.975-2	2.510-2	2.102-2	1.578-2	1.568-2	1.791-2	2.110-2	2.711-2
29	31	1.320-2	1.278-2	9.297-3	7.638-3	6.082-3	3.651-3	1.876-3	1.512-3	1.249-3	9.000-4
29	32	1.022-2	8.430-3	5.624-3	4.608-3	3.691-3	2.259-3	1.135-3	8.820-4	6.910-4	4.355-4
29	33	1.496-1	1.346-1	9.349-2	7.708-2	6.220-2	3.901-2	2.067-2	1.643-2	1.314-2	8.473-3
29	34	1.892-2	1.483-2	9.794-3	8.052-3	6.474-3	3.974-3	1.978-3	1.528-3	1.191-3	7.449-4
29	35	3.341-2	2.787-2	1.867-2	1.540-2	1.251-2	8.115-3	4.761-3	4.015-3	3.450-3	2.640-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
29	36	8.345-3	7.681-3	5.845-3	5.004-3	4.181-3	2.789-3	1.621-3	1.353-3	1.151-3	8.706-4
29	37	2.921-3	2.385-3	1.582-3	1.300-3	1.050-3	6.677-4	3.736-4	3.073-4	2.569-4	1.859-4
29	38	1.620-2	1.331-2	9.033-3	7.435-3	5.976-3	3.672-3	1.841-3	1.423-3	1.105-3	6.725-4
29	39	3.331-1	3.210-1	2.990-1	2.988-1	3.135-1	4.045-1	6.132-1	7.024-1	7.957-1	9.477-1
29	40	4.152-1	4.108-1	3.916-1	3.939-1	4.156-1	5.378-1	8.107-1	9.262-1	1.046-0	1.238-0
29	41	1.381-2	1.270-2	9.670-3	8.390-3	7.095-3	4.738-3	2.553-3	2.011-3	1.584-3	9.795-4
29	42	1.048-2	8.785-3	5.730-3	4.679-3	3.762-3	2.374-3	1.306-3	1.063-3	8.774-4	6.145-4
29	43	7.906-1	7.916-1	7.642-1	7.762-1	8.267-1	1.076-0	1.602-0	1.819-0	2.041-0	2.386-0
29	44	1.325-2	1.174-2	9.766-3	8.990-3	8.229-3	6.859-3	5.407-3	4.928-3	4.457-3	3.487-3
29	45	3.993-2	4.717-2	4.739-2	4.346-2	3.811-2	2.654-2	1.490-2	1.197-2	9.641-3	6.283-3
29	46	1.264-1	1.248-1	1.164-1	1.168-1	1.227-1	1.552-1	2.243-1	2.527-1	2.817-1	3.259-1
29	47	2.550-1	2.342-1	2.126-1	2.140-1	2.260-1	2.860-1	4.080-1	4.572-1	5.068-1	5.802-1
29	48	5.172-3	4.524-3	3.179-3	2.671-3	2.217-3	1.511-3	9.164-4	7.604-4	6.284-4	4.171-4
29	49	7.667-3	5.899-3	3.835-3	3.192-3	2.645-3	1.825-3	1.153-3	9.763-4	8.248-4	5.733-4
29	50	8.454-2	8.278-2	8.122-2	8.102-2	8.118-2	8.258-2	8.510-2	8.585-2	8.638-2	8.403-2
29	51	4.704-2	4.646-2	4.554-2	4.534-2	4.533-2	4.591-2	4.705-2	4.740-2	4.762-2	4.623-2
29	52	7.507-2	7.464-2	7.377-2	7.359-2	7.368-2	7.477-2	7.688-2	7.755-2	7.805-2	7.599-2
29	53	3.441-2	3.414-2	3.370-2	3.365-2	3.374-2	3.436-2	3.543-2	3.576-2	3.599-2	3.503-2
29	54	1.737-2	1.714-2	1.688-2	1.685-2	1.690-2	1.722-2	1.777-2	1.794-2	1.805-2	1.757-2
29	55	9.572-4	7.874-4	5.073-4	4.112-4	3.266-4	1.967-4	9.636-5	7.385-5	5.680-5	3.381-5
29	56	5.959-3	5.121-3	3.481-3	2.954-3	2.529-3	1.996-3	1.779-3	1.788-3	1.827-3	1.888-3
29	57	3.294-4	2.598-4	1.595-4	1.274-4	1.004-4	6.135-5	3.252-5	2.599-5	2.089-5	1.353-5
29	58	1.801-2	1.731-2	1.647-2	1.620-2	1.598-2	1.566-2	1.522-2	1.500-2	1.474-2	1.372-2
29	59	5.772-3	5.552-3	5.164-3	5.007-3	4.850-3	4.531-3	4.023-3	3.798-3	3.557-3	3.001-3
29	60	1.015-2	9.720-3	9.173-3	9.199-3	9.494-3	1.090-2	1.366-2	1.478-2	1.593-2	1.746-2
29	61	1.403-2	1.320-2	1.198-2	1.144-2	1.087-2	9.741-3	8.231-3	7.647-3	7.054-3	5.791-3
29	62	6.988-3	6.326-3	5.573-3	5.420-3	5.387-3	5.682-3	6.525-3	6.910-3	7.318-3	7.840-3
29	63	2.058-3	1.934-3	1.795-3	1.741-3	1.683-3	1.543-3	1.282-3	1.161-3	1.032-3	7.629-4
29	64	4.835-4	4.132-4	3.186-4	2.772-4	2.364-4	1.661-4	1.024-4	8.552-5	7.129-5	4.847-5
29	65	7.469-2	7.416-2	7.474-2	7.671-2	8.042-2	9.257-2	1.131-1	1.213-1	1.296-1	1.403-1
29	66	2.965-4	2.500-4	1.641-4	1.332-4	1.060-4	6.495-5	3.382-5	2.688-5	2.159-5	1.424-5
29	67	7.810-4	6.832-4	5.062-4	4.264-4	3.493-4	2.218-4	1.161-4	9.092-5	7.119-5	4.324-5
29	68	1.068-1	1.055-1	1.067-1	1.096-1	1.147-1	1.308-1	1.572-1	1.677-1	1.784-1	1.918-1
29	69	8.252-4	7.124-4	4.989-4	4.146-4	3.375-4	2.173-4	1.244-4	1.037-4	8.809-5	6.587-5
29	70	1.629-3	1.433-3	1.023-3	8.465-4	6.821-4	4.234-4	2.233-4	1.792-4	1.464-4	1.021-4
29	71	6.355-4	6.236-4	5.157-4	4.584-4	4.020-4	3.048-4	2.097-4	1.808-4	1.544-4	1.078-4
29	72	1.587-3	1.660-3	1.359-3	1.182-3	1.010-3	7.297-4	5.015-4	4.473-4	4.039-4	3.315-4
29	73	9.788-5	8.333-5	5.658-5	4.599-5	3.636-5	2.153-5	1.035-5	7.943-6	6.180-6	3.914-6
29	74	2.485-4	2.242-4	1.703-4	1.486-4	1.293-4	9.985-5	7.483-5	6.763-5	6.101-5	4.830-5
29	75	2.354-4	2.081-4	1.547-4	1.330-4	1.133-4	8.322-5	5.834-5	5.164-5	4.575-5	3.518-5
29	76	1.705-3	1.530-3	1.131-3	9.651-4	8.111-4	5.635-4	3.519-4	2.965-4	2.494-4	1.729-4
29	77	5.815-4	5.011-4	3.703-4	3.237-4	2.834-4	2.230-4	1.716-4	1.564-4	1.423-4	1.139-4
29	78	6.756-4	5.937-4	4.236-4	3.581-4	3.001-4	2.125-4	1.424-4	1.243-4	1.086-4	8.147-5
29	79	3.630-4	3.279-4	2.669-4	2.455-4	2.290-4	2.127-4	2.157-4	2.219-4	2.299-4	2.394-4
29	80	1.573-3	1.595-3	1.178-3	9.866-4	8.146-4	5.558-4	3.543-4	3.045-4	2.630-4	1.944-4
29	81	2.089-3	1.987-3	1.391-3	1.164-3	9.694-4	6.883-4	4.736-4	4.198-4	3.741-4	2.932-4
29	82	3.927-4	3.638-4	2.444-4	2.003-4	1.629-4	1.091-4	6.829-5	5.823-5	4.983-5	3.605-5
29	83	4.913-4	4.166-4	2.633-4	2.131-4	1.716-4	1.133-4	6.986-5	5.916-5	5.022-5	3.566-5
29	84	5.981-4	4.444-4	2.668-4	2.157-4	1.744-4	1.174-4	7.511-5	6.456-5	5.561-5	4.056-5
29	85	8.169-4	6.683-4	4.740-4	4.230-4	3.850-4	3.350-4	2.838-4	2.630-4	2.407-4	1.912-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
29	86	2.512-4	2.031-4	1.295-4	1.058-4	8.601-5	5.763-5	3.578-5	3.028-5	2.565-5	1.807-5
29	87	9.324-4	6.712-4	4.383-4	3.803-4	3.357-4	2.755-4	2.241-4	2.075-4	1.911-4	1.558-4
29	88	3.582-4	3.232-4	3.024-4	3.025-4	3.063-4	3.203-4	3.441-4	3.544-4	3.654-4	3.735-4
29	89	9.868-2	9.979-2	1.044-1	1.078-1	1.120-1	1.220-1	1.363-1	1.422-1	1.485-1	1.551-1
29	90	1.231-4	9.593-5	7.143-5	6.572-5	6.160-5	5.665-5	5.369-5	5.319-5	5.292-5	5.104-5
29	91	3.491-5	2.646-5	1.897-5	1.717-5	1.578-5	1.389-5	1.227-5	1.179-5	1.134-5	1.025-5
29	92	2.213-3	2.231-3	2.325-3	2.398-3	2.493-3	2.724-3	3.073-3	3.221-3	3.378-3	3.556-3
29	93	7.917-5	7.026-5	4.562-5	3.726-5	3.030-5	2.032-5	1.266-5	1.072-5	9.085-6	6.392-6
29	94	6.830-3	6.901-3	7.141-3	7.314-3	7.534-3	8.042-3	8.749-3	9.040-3	9.345-3	9.589-3
29	95	1.036-3	1.043-3	1.077-3	1.106-3	1.145-3	1.239-3	1.383-3	1.445-3	1.512-3	1.586-3
29	96	8.349-4	8.437-4	8.732-4	8.956-4	9.242-4	9.918-4	1.092-3	1.135-3	1.181-3	1.229-3
29	97	1.199-4	1.140-4	1.042-4	1.014-4	9.938-5	9.708-5	9.570-5	9.546-5	9.526-5	9.169-5
29	98	8.702-5	7.583-5	6.307-5	5.946-5	5.650-5	5.188-5	4.667-5	4.474-5	4.278-5	3.789-5
29	99	8.178-4	8.290-4	8.573-4	8.788-4	9.062-4	9.703-4	1.068-3	1.112-3	1.160-3	1.213-3
29	100	1.233-4	1.216-4	1.221-4	1.242-4	1.271-4	1.344-4	1.456-4	1.507-4	1.562-4	1.616-4
29	101	6.406-5	6.153-5	5.892-5	5.812-5	5.733-5	5.537-5	5.080-5	4.825-5	4.517-5	3.717-5
29	102	2.341-4	2.374-4	2.422-4	2.470-4	2.532-4	2.683-4	2.921-4	3.030-4	3.149-4	3.269-4
29	103	3.604-4	3.637-4	3.712-4	3.783-4	3.875-4	4.090-4	4.420-4	4.572-4	4.740-4	4.899-4
29	104	3.521-4	3.386-4	3.257-4	3.216-4	3.172-4	3.066-4	2.822-4	2.685-4	2.515-4	2.069-4
29	105	2.257-5	2.011-5	1.766-5	1.694-5	1.629-5	1.507-5	1.327-5	1.247-5	1.161-5	9.604-6
29	106	9.981-5	9.476-5	8.673-5	8.475-5	8.320-5	7.986-5	7.160-5	6.708-5	6.188-5	4.955-5
29	107	9.905-4	9.864-4	9.731-4	9.655-4	9.558-4	9.270-4	8.541-4	8.121-4	7.604-4	6.243-4
29	108	1.742-4	1.684-4	1.570-4	1.543-4	1.522-4	1.472-4	1.340-4	1.267-4	1.181-4	9.702-5
29	109	4.026-4	3.651-4	3.034-4	2.846-4	2.691-4	2.446-4	2.153-4	2.034-4	1.905-4	1.592-4
29	110	3.968-4	3.476-4	3.087-4	3.032-4	2.999-4	2.917-4	2.651-4	2.498-4	2.318-4	1.885-4
29	111	2.638-5	2.369-5	1.974-5	1.866-5	1.778-5	1.629-5	1.405-5	1.303-5	1.191-5	9.390-6
29	112	2.240-5	2.138-5	1.973-5	1.919-5	1.867-5	1.753-5	1.531-5	1.420-5	1.294-5	1.004-5
29	113	1.423-5	1.380-5	1.332-5	1.314-5	1.294-5	1.236-5	1.099-5	1.027-5	9.432-6	7.448-6
29	114	2.714-4	2.753-4	2.875-4	2.934-4	2.993-4	3.117-4	3.327-4	3.435-4	3.559-4	3.682-4
29	115	3.514-5	3.552-5	3.654-5	3.680-5	3.686-5	3.616-5	3.334-5	3.182-5	3.011-5	2.580-5
29	116	1.535-5	1.539-5	1.552-5	1.553-5	1.546-5	1.505-5	1.383-5	1.320-5	1.249-5	1.070-5
29	117	3.224-5	3.261-5	3.332-5	3.353-5	3.363-5	3.342-5	3.229-5	3.173-5	3.114-5	2.902-5
29	118	5.362-6	5.282-6	5.192-6	5.150-6	5.091-6	4.891-6	4.400-6	4.149-6	3.865-6	3.181-6
29	119	2.782-5	2.810-5	2.866-5	2.883-5	2.893-5	2.885-5	2.828-5	2.804-5	2.782-5	2.654-5
29	120	2.081-5	2.076-5	2.033-5	2.010-5	1.982-5	1.898-5	1.698-5	1.589-5	1.463-5	1.159-5
29	121	6.773-6	6.827-6	6.889-6	6.885-6	6.852-6	6.656-6	6.059-6	5.735-6	5.359-6	4.422-6
29	122	1.550-5	1.549-5	1.564-5	1.571-5	1.576-5	1.579-5	1.577-5	1.579-5	1.583-5	1.541-5
29	123	1.516-5	1.509-5	1.494-5	1.483-5	1.467-5	1.415-5	1.297-5	1.240-5	1.179-5	1.026-5
29	124	1.186-6	1.178-6	1.168-6	1.162-6	1.152-6	1.121-6	1.044-6	1.003-6	9.573-7	8.352-7
29	125	2.576-6	2.569-6	2.546-6	2.531-6	2.510-6	2.442-6	2.274-6	2.186-6	2.084-6	1.809-6
30	31	1.032-1	1.020-1	8.712-2	7.947-2	7.176-2	5.855-2	4.783-2	4.569-2	4.454-2	4.361-2
30	32	9.758-3	8.062-3	5.977-3	5.391-3	5.001-3	5.056-3	6.597-3	7.311-3	7.977-3	8.734-3
30	33	1.646-2	1.571-2	1.185-2	1.022-2	8.874-3	7.776-3	9.290-3	1.023-2	1.115-2	1.226-2
30	34	7.270-2	6.452-2	5.703-2	5.622-2	5.817-2	7.475-2	1.194-1	1.407-1	1.644-1	2.084-1
30	35	8.799-2	8.570-2	8.475-2	8.640-2	9.215-2	1.226-1	1.937-1	2.255-1	2.598-1	3.195-1
30	36	1.540-2	1.450-2	1.356-2	1.332-2	1.336-2	1.464-2	1.827-2	1.995-2	2.176-2	2.470-2
30	37	5.424-3	5.125-3	4.782-3	4.665-3	4.556-3	4.377-3	4.236-3	4.219-3	4.221-3	4.128-3
30	38	6.055-1	6.160-1	6.260-1	6.419-1	6.886-1	9.213-1	1.448-0	1.677-0	1.921-0	2.332-0
30	39	7.244-3	6.323-3	4.551-3	3.831-3	3.150-3	2.036-3	1.123-3	9.122-4	7.500-4	5.212-4
30	40	2.683-2	2.353-2	1.801-2	1.550-2	1.297-2	8.495-3	4.614-3	3.710-3	3.025-3	2.092-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
30	41	7.198-3	7.080-3	6.531-3	6.235-3	5.916-3	5.259-3	4.334-3	3.966-3	3.594-3	2.847-3
30	42	3.614-2	3.648-2	3.559-2	3.571-2	3.701-2	4.448-2	6.103-2	6.797-2	7.514-2	8.628-2
30	43	7.469-2	8.476-2	7.807-2	7.190-2	6.502-2	5.192-2	3.910-2	3.556-2	3.246-2	2.669-2
30	44	1.591-3	1.358-3	9.726-4	8.082-4	6.501-4	3.895-4	1.791-4	1.321-4	9.722-5	5.249-5
30	45	8.957-3	7.503-3	5.278-3	4.397-3	3.589-3	2.342-3	1.434-3	1.252-3	1.128-3	9.714-4
30	46	1.962-2	1.889-2	1.594-2	1.464-2	1.342-2	1.149-2	9.941-3	9.569-3	9.262-3	8.522-3
30	47	3.571-2	2.982-2	2.146-2	1.842-2	1.558-2	1.090-2	6.951-3	5.993-3	5.225-3	4.007-3
30	48	9.756-3	8.797-3	6.272-3	5.172-3	4.155-3	2.565-3	1.343-3	1.072-3	8.686-4	5.890-4
30	49	1.256-2	1.005-2	6.689-3	5.443-3	4.325-3	2.617-3	1.326-3	1.043-3	8.305-4	5.440-4
30	50	2.591-3	2.790-3	2.249-3	1.957-3	1.671-3	1.192-3	7.704-4	6.604-4	5.684-4	4.197-4
30	51	3.402-3	3.486-3	3.391-3	3.399-3	3.513-3	4.117-3	5.346-3	5.843-3	6.344-3	7.037-3
30	52	3.853-3	3.703-3	3.148-3	2.934-3	2.778-3	2.697-3	2.935-3	3.079-3	3.240-3	3.452-3
30	53	4.246-3	4.256-3	4.293-3	4.436-3	4.744-3	5.886-3	7.932-3	8.730-3	9.527-3	1.064-2
30	54	2.220-4	2.105-4	1.752-4	1.579-4	1.404-4	1.087-4	7.635-5	6.647-5	5.748-5	4.156-5
30	55	2.931-3	2.553-3	1.854-3	1.558-3	1.277-3	8.236-4	4.580-4	3.731-4	3.067-4	2.094-4
30	56	8.031-3	6.801-3	4.679-3	3.864-3	3.111-3	1.915-3	9.699-4	7.577-4	5.972-4	3.789-4
30	57	2.563-3	2.223-3	1.410-3	1.125-3	8.830-4	5.327-4	2.793-4	2.239-4	1.820-4	1.235-4
30	58	3.248-3	3.212-3	3.103-3	3.108-3	3.192-3	3.626-3	4.509-3	4.872-3	5.242-3	5.742-3
30	59	1.511-3	1.456-3	1.330-3	1.290-3	1.273-3	1.321-3	1.487-3	1.564-3	1.646-3	1.746-3
30	60	3.549-2	3.071-2	2.277-2	1.965-2	1.673-2	1.197-2	7.954-3	6.950-3	6.118-3	4.720-3
30	61	3.718-3	3.024-3	2.167-3	1.892-3	1.661-3	1.330-3	1.074-3	1.008-3	9.536-4	8.461-4
30	62	1.174-2	1.101-2	8.870-3	7.963-3	7.117-3	5.744-3	4.537-3	4.201-3	3.896-3	3.277-3
30	63	2.898-4	2.624-4	2.114-4	1.909-4	1.716-4	1.384-4	1.033-4	9.169-5	8.068-5	6.010-5
30	64	5.302-3	4.851-3	4.140-3	3.884-3	3.654-3	3.283-3	2.912-3	2.783-3	2.651-3	2.319-3
30	65	7.705-3	7.640-3	5.560-3	4.561-3	3.636-3	2.202-3	1.114-3	8.745-4	6.943-4	4.485-4
30	66	1.050-1	1.051-1	1.068-1	1.103-1	1.164-1	1.357-1	1.676-1	1.802-1	1.929-1	2.094-1
30	67	5.177-3	3.943-3	2.423-3	1.939-3	1.531-3	9.423-4	5.141-4	4.197-4	3.475-4	2.443-4
30	68	2.556-2	2.267-2	1.498-2	1.198-2	9.335-3	5.393-3	2.508-3	1.888-3	1.428-3	8.271-4
30	69	8.614-4	7.571-4	5.564-4	4.869-4	4.291-4	3.512-4	3.035-4	2.957-4	2.915-4	2.806-4
30	70	8.578-3	7.813-3	5.124-3	4.092-3	3.191-3	1.867-3	9.028-4	6.941-4	5.376-4	3.278-4
30	71	4.816-4	4.455-4	3.464-4	3.038-4	2.659-4	2.117-4	1.790-4	1.749-4	1.737-4	1.710-4
30	72	1.827-3	1.649-3	1.276-3	1.149-3	1.050-3	9.359-4	9.056-4	9.154-4	9.318-4	9.402-4
30	73	4.970-4	4.193-4	2.848-4	2.392-4	2.002-4	1.428-4	9.597-5	8.344-5	7.256-5	5.389-5
30	74	5.807-4	4.546-4	2.658-4	2.083-4	1.613-4	9.605-5	5.030-5	4.035-5	3.273-5	2.185-5
30	75	4.093-4	3.174-4	1.840-4	1.430-4	1.094-4	6.246-5	2.955-5	2.251-5	1.725-5	1.025-5
30	76	6.315-4	5.784-4	4.517-4	4.073-4	3.714-4	3.271-4	3.075-4	3.071-4	3.090-4	3.061-4
30	77	2.916-3	2.412-3	1.698-3	1.507-3	1.372-3	1.245-3	1.256-3	1.291-3	1.338-3	1.394-3
30	78	3.953-3	3.381-3	2.716-3	2.586-3	2.537-3	2.630-3	2.958-3	3.116-3	3.288-3	3.505-3
30	79	4.634-3	3.613-3	2.281-3	1.899-3	1.595-3	1.180-3	8.705-4	7.904-4	7.199-4	5.859-4
30	80	1.804-2	1.684-2	1.520-2	1.503-2	1.520-2	1.627-2	1.844-2	1.939-2	2.040-2	2.160-2
30	81	3.088-2	3.030-2	3.072-2	3.164-2	3.304-2	3.682-2	4.257-2	4.489-2	4.729-2	5.009-2
30	82	1.465-3	1.220-3	9.801-4	9.182-4	8.682-4	7.906-4	6.979-4	6.578-4	6.122-4	4.994-4
30	83	2.524-2	2.494-2	2.552-2	2.630-2	2.743-2	3.034-2	3.461-2	3.632-2	3.810-2	4.007-2
30	84	5.075-3	4.583-3	4.342-3	4.394-3	4.520-3	4.911-3	5.532-3	5.790-3	6.059-3	6.351-3
30	85	1.317-1	1.323-1	1.380-1	1.428-1	1.494-1	1.659-1	1.905-1	2.005-1	2.108-1	2.225-1
30	86	3.695-4	2.556-4	1.490-4	1.207-4	9.792-5	6.619-5	4.309-5	3.775-5	3.347-5	2.653-5
30	87	4.115-2	4.158-2	4.352-2	4.497-2	4.683-2	5.124-2	5.756-2	6.016-2	6.289-2	6.580-2
30	88	3.670-5	3.052-5	2.344-5	2.133-5	1.953-5	1.669-5	1.370-5	1.265-5	1.161-5	9.424-6
30	89	8.213-4	8.157-4	5.934-4	4.856-4	3.855-4	2.297-4	1.110-4	8.486-5	6.521-5	3.892-5
30	90	7.701-5	7.347-5	6.901-5	6.785-5	6.697-5	6.539-5	6.183-5	5.986-5	5.753-5	5.089-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
30	91	9.757-6	8.279-6	6.567-6	6.080-6	5.669-6	4.997-6	4.188-6	3.871-6	3.543-6	2.840-6
30	92	1.036-4	9.834-5	9.422-5	9.396-5	9.421-5	9.434-5	8.975-5	8.641-5	8.232-5	7.127-5
30	93	5.995-4	5.957-4	5.857-4	5.804-4	5.739-4	5.555-4	5.113-4	4.861-4	4.553-4	3.744-4
30	94	2.635-4	2.392-4	1.685-4	1.375-4	1.089-4	6.439-5	3.037-5	2.288-5	1.728-5	9.925-6
30	95	5.032-5	4.357-5	3.622-5	3.425-5	3.263-5	2.991-5	2.594-5	2.418-5	2.228-5	1.800-5
30	96	2.821-4	2.611-4	2.264-4	2.151-4	2.056-4	1.906-4	1.722-4	1.645-4	1.560-4	1.340-4
30	97	5.887-5	5.696-5	4.380-5	3.821-5	3.316-5	2.525-5	1.818-5	1.610-5	1.418-5	1.062-5
30	98	3.725-4	3.788-4	3.900-4	3.971-4	4.051-4	4.156-4	4.033-4	3.907-4	3.746-4	3.282-4
30	99	2.258-4	2.097-4	1.863-4	1.794-4	1.736-4	1.642-4	1.509-4	1.447-4	1.378-4	1.191-4
30	100	1.870-5	1.747-5	1.586-5	1.536-5	1.492-5	1.414-5	1.306-5	1.262-5	1.214-5	1.086-5
30	101	1.863-5	1.811-5	1.716-5	1.684-5	1.656-5	1.600-5	1.479-5	1.415-5	1.342-5	1.154-5
30	102	8.379-5	7.862-5	7.124-5	6.926-5	6.760-5	6.437-5	5.833-5	5.537-5	5.204-5	4.386-5
30	103	8.627-5	7.119-5	5.146-5	4.603-5	4.166-5	3.518-5	2.875-5	2.652-5	2.429-5	1.957-5
30	104	2.592-5	2.315-5	1.686-5	1.429-5	1.196-5	8.315-6	5.327-6	4.578-6	3.960-6	2.967-6
30	105	2.990-5	2.911-5	2.749-5	2.688-5	2.626-5	2.482-5	2.182-5	2.029-5	1.854-5	1.453-5
30	106	9.916-5	6.746-5	3.670-5	2.907-5	2.323-5	1.557-5	1.043-5	9.324-6	8.476-6	7.097-6
30	107	1.111-4	9.485-5	6.448-5	5.307-5	4.302-5	2.794-5	1.644-5	1.377-5	1.165-5	8.418-6
30	108	3.677-4	3.038-4	2.495-4	2.393-4	2.335-4	2.310-4	2.404-4	2.474-4	2.558-4	2.646-4
30	109	1.834-3	1.792-3	1.786-3	1.808-3	1.837-3	1.906-3	2.010-3	2.059-3	2.112-3	2.139-3
30	110	5.653-3	5.471-3	5.443-3	5.518-3	5.623-3	5.875-3	6.287-3	6.481-3	6.694-3	6.867-3
30	111	3.800-5	3.721-5	3.459-5	3.360-5	3.267-5	3.087-5	2.794-5	2.647-5	2.474-5	2.031-5
30	112	3.884-4	3.915-4	4.025-4	4.079-4	4.135-4	4.242-4	4.395-4	4.471-4	4.555-4	4.557-4
30	113	3.455-5	2.837-5	2.227-5	2.070-5	1.945-5	1.753-5	1.533-5	1.440-5	1.336-5	1.083-5
30	114	8.483-6	8.247-6	8.031-6	7.967-6	7.896-6	7.696-6	7.244-6	7.022-6	6.771-6	6.055-6
30	115	9.982-6	1.003-5	1.037-5	1.050-5	1.057-5	1.048-5	9.778-6	9.354-6	8.854-6	7.551-6
30	116	1.287-6	1.173-6	1.039-6	9.988-7	9.620-7	8.852-7	7.515-7	6.901-7	6.237-7	4.807-7
30	117	1.066-5	1.080-5	1.110-5	1.117-5	1.119-5	1.100-5	1.018-5	9.700-6	9.141-6	7.701-6
30	118	1.746-6	1.759-6	1.796-6	1.805-6	1.804-6	1.759-6	1.588-6	1.492-6	1.381-6	1.116-6
30	119	3.815-6	3.675-6	3.508-6	3.436-6	3.351-6	3.116-6	2.630-6	2.399-6	2.152-6	1.632-6
30	120	2.904-4	2.927-4	2.957-4	2.966-4	2.973-4	2.975-4	2.954-4	2.941-4	2.923-4	2.776-4
30	121	9.746-7	9.502-7	9.208-7	9.098-7	8.971-7	8.614-7	7.778-7	7.332-7	6.814-7	5.548-7
30	122	2.319-6	2.290-6	2.261-6	2.246-6	2.223-6	2.145-6	1.947-6	1.845-6	1.729-6	1.446-6
30	123	4.040-6	4.005-6	3.953-6	3.919-6	3.870-6	3.714-6	3.345-6	3.156-6	2.942-6	2.426-6
30	124	1.017-6	1.009-6	9.903-7	9.776-7	9.597-7	9.022-7	7.695-7	7.036-7	6.313-7	4.754-7
30	125	4.995-6	4.989-6	4.960-6	4.937-6	4.905-6	4.799-6	4.531-6	4.382-6	4.201-6	3.679-6
31	32	1.025-2	9.399-3	7.538-3	6.886-3	6.457-3	6.845-3	9.754-3	1.097-2	1.202-2	1.305-2
31	33	1.993-2	1.718-2	1.137-2	9.200-3	7.281-3	4.477-3	2.664-3	2.345-3	2.133-3	1.847-3
31	34	2.466-2	1.937-2	1.261-2	1.068-2	9.101-3	6.835-3	5.103-3	4.684-3	4.342-3	3.736-3
31	35	3.490-2	3.101-2	2.720-2	2.661-2	2.718-2	3.346-2	5.051-2	5.853-2	6.739-2	8.335-2
31	36	6.401-2	6.348-2	6.283-2	6.408-2	6.855-2	9.207-2	1.468-1	1.712-1	1.976-1	2.438-1
31	37	1.328-2	1.269-2	1.194-2	1.194-2	1.246-2	1.580-2	2.386-2	2.747-2	3.138-2	3.820-2
31	38	2.023-2	1.720-2	1.379-2	1.261-2	1.151-2	9.610-3	7.567-3	6.902-3	6.280-3	5.089-3
31	39	7.856-3	7.753-3	6.418-3	5.582-3	4.689-3	3.070-3	1.652-3	1.321-3	1.069-3	7.252-4
31	40	9.031-3	8.513-3	6.884-3	6.034-3	5.152-3	3.577-3	2.200-3	1.879-3	1.635-3	1.284-3
31	41	2.634-2	2.639-2	2.572-2	2.594-2	2.717-2	3.383-2	4.874-2	5.514-2	6.186-2	7.276-2
31	42	3.779-1	3.915-1	3.970-1	4.090-1	4.412-1	5.889-1	9.023-1	1.034-0	1.171-0	1.394-0
31	43	9.074-3	1.007-2	9.576-3	8.955-3	8.229-3	6.827-3	5.519-3	5.194-3	4.933-3	4.422-3
31	44	6.633-3	5.580-3	3.876-3	3.264-3	2.740-3	2.057-3	1.790-3	1.810-3	1.872-3	2.001-3
31	45	1.142-2	9.760-3	7.488-3	6.781-3	6.317-3	6.328-3	7.745-3	8.485-3	9.295-3	1.058-2
31	46	4.318-2	3.761-2	2.861-2	2.512-2	2.182-2	1.634-2	1.162-2	1.043-2	9.438-3	7.713-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
31	47	3.400-2	2.912-2	2.320-2	2.093-2	1.872-2	1.484-2	1.109-2	9.993-3	8.984-3	7.044-3
31	48	1.726-2	1.596-2	1.225-2	1.046-2	8.755-3	6.018-3	3.870-3	3.393-3	3.034-3	2.496-3
31	49	3.378-2	2.824-2	2.080-2	1.782-2	1.508-2	1.082-2	7.567-3	6.852-3	6.311-3	5.425-3
31	50	7.271-4	6.964-4	5.209-4	4.382-4	3.575-4	2.221-4	1.104-4	8.509-5	6.623-5	4.146-5
31	51	3.017-3	3.068-3	2.997-3	3.025-3	3.157-3	3.779-3	5.023-3	5.529-3	6.040-3	6.762-3
31	52	1.125-3	1.005-3	7.708-4	6.591-4	5.485-4	3.605-4	1.986-4	1.589-4	1.273-4	8.161-5
31	53	9.947-4	1.013-3	9.558-4	9.386-4	9.465-4	1.058-3	1.329-3	1.446-3	1.566-3	1.735-3
31	54	5.190-4	5.182-4	4.738-4	4.640-4	4.694-4	5.337-4	6.835-4	7.466-4	8.113-4	9.030-4
31	55	4.340-3	3.823-3	2.790-3	2.328-3	1.882-3	1.150-3	5.645-4	4.353-4	3.399-4	2.160-4
31	56	5.711-3	4.841-3	3.468-3	2.900-3	2.353-3	1.440-3	6.897-4	5.202-4	3.933-4	2.279-4
31	57	5.367-3	4.543-3	2.910-3	2.416-3	2.038-3	1.614-3	1.499-3	1.528-3	1.580-3	1.659-3
31	58	1.326-3	1.270-3	1.088-3	9.989-4	9.215-4	8.399-4	8.652-4	8.999-4	9.431-4	1.004-3
31	59	3.744-3	3.692-3	3.632-3	3.706-3	3.901-3	4.656-3	6.032-3	6.576-3	7.125-3	7.872-3
31	60	1.738-2	1.469-2	1.122-2	1.000-2	8.896-3	7.111-3	5.538-3	5.104-3	4.716-3	3.946-3
31	61	1.320-3	1.174-3	8.552-4	7.255-4	6.067-4	4.179-4	2.585-4	2.175-4	1.833-4	1.292-4
31	62	1.599-2	1.507-2	1.127-2	9.591-3	7.999-3	5.403-3	3.269-3	2.762-3	2.360-3	1.744-3
31	63	1.384-3	1.352-3	1.279-3	1.276-3	1.306-3	1.463-3	1.780-3	1.912-3	2.047-3	2.227-3
31	64	7.212-3	5.767-3	3.949-3	3.319-3	2.756-3	1.878-3	1.169-3	9.950-4	8.523-4	6.217-4
31	65	1.410-2	1.350-2	9.783-3	8.042-3	6.417-3	3.866-3	1.905-3	1.473-3	1.149-3	7.129-4
31	66	7.097-2	7.101-2	7.232-2	7.472-2	7.897-2	9.240-2	1.147-1	1.235-1	1.323-1	1.438-1
31	67	1.024-2	8.880-3	6.186-3	5.056-3	4.021-3	2.421-3	1.214-3	9.531-4	7.608-4	5.066-4
31	68	1.288-2	1.144-2	8.101-3	6.687-3	5.385-3	3.355-3	1.791-3	1.441-3	1.174-3	7.986-4
31	69	7.487-4	6.283-4	4.342-4	3.680-4	3.107-4	2.252-4	1.579-4	1.415-4	1.281-4	1.058-4
31	70	1.543-2	1.521-2	1.091-2	8.899-3	7.052-3	4.198-3	2.045-3	1.577-3	1.229-3	7.680-4
31	71	1.737-3	1.689-3	1.633-3	1.658-3	1.726-3	1.971-3	2.393-3	2.563-3	2.736-3	2.958-3
31	72	9.819-4	7.956-4	5.498-4	4.714-4	4.040-4	3.014-4	2.122-4	1.867-4	1.634-4	1.211-4
31	73	6.646-4	6.134-4	4.454-4	3.791-4	3.206-4	2.335-4	1.672-4	1.516-4	1.389-4	1.165-4
31	74	7.707-4	6.212-4	3.790-4	3.012-4	2.366-4	1.455-4	8.223-5	6.916-5	5.968-5	4.675-5
31	75	1.792-3	1.654-3	1.380-3	1.322-3	1.305-3	1.376-3	1.581-3	1.676-3	1.777-3	1.908-3
31	76	6.942-4	6.085-4	4.741-4	4.292-4	3.924-4	3.453-4	3.247-4	3.254-4	3.292-4	3.303-4
31	77	2.915-3	2.413-3	1.668-3	1.456-3	1.297-3	1.117-3	1.061-3	1.072-3	1.095-3	1.117-3
31	78	8.302-3	7.872-3	7.460-3	7.529-3	7.764-3	8.615-3	1.008-2	1.069-2	1.132-2	1.210-2
31	79	6.422-4	5.519-4	3.972-4	3.481-4	3.084-4	2.537-4	2.079-4	1.934-4	1.793-4	1.493-4
31	80	4.746-3	3.889-3	2.417-3	1.958-3	1.584-3	1.068-3	7.208-4	6.508-4	6.004-4	5.222-4
31	81	2.390-2	2.343-2	2.386-2	2.460-2	2.572-2	2.870-2	3.321-2	3.500-2	3.683-2	3.889-2
31	82	1.504-2	1.502-2	1.558-2	1.617-2	1.700-2	1.913-2	2.223-2	2.346-2	2.474-2	2.625-2
31	83	2.911-2	2.897-2	3.002-2	3.116-2	3.278-2	3.690-2	4.295-2	4.538-2	4.789-2	5.088-2
31	84	1.423-2	1.406-2	1.443-2	1.491-2	1.559-2	1.735-2	1.996-2	2.102-2	2.214-2	2.345-2
31	85	2.953-3	2.541-3	2.142-3	2.032-3	1.939-3	1.785-3	1.585-3	1.495-3	1.393-3	1.138-3
31	86	1.476-2	1.459-2	1.500-2	1.549-2	1.616-2	1.781-2	2.020-2	2.117-2	2.217-2	2.326-2
31	87	4.694-2	4.729-2	4.932-2	5.090-2	5.295-2	5.790-2	6.521-2	6.825-2	7.143-2	7.491-2
31	88	9.818-5	7.556-5	5.339-5	4.747-5	4.276-5	3.614-5	3.047-5	2.871-5	2.700-5	2.314-5
31	89	6.995-4	6.378-4	4.530-4	3.722-4	2.975-4	1.810-4	9.189-5	7.232-5	5.767-5	3.785-5
31	90	9.249-5	7.905-5	6.399-5	6.003-5	5.697-5	5.258-5	4.758-5	4.552-5	4.327-5	3.755-5
31	91	2.528-5	2.072-5	1.590-5	1.462-5	1.361-5	1.219-5	1.095-5	1.056-5	1.018-5	9.172-6
31	92	1.377-4	1.244-4	1.130-4	1.109-4	1.096-4	1.081-4	1.038-4	1.012-4	9.790-5	8.794-5
31	93	1.814-2	1.844-2	1.942-2	2.009-2	2.093-2	2.286-2	2.563-2	2.681-2	2.806-2	2.945-2
31	94	7.777-4	6.899-4	4.763-4	3.873-4	3.060-4	1.801-4	8.446-5	6.360-5	4.810-5	2.788-5
31	95	1.445-4	1.344-4	1.210-4	1.172-4	1.141-4	1.095-4	1.044-4	1.024-4	1.002-4	9.239-5
31	96	1.468-4	1.387-4	1.255-4	1.220-4	1.194-4	1.158-4	1.105-4	1.077-4	1.045-4	9.407-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
31	97	1.856-4	1.792-4	1.415-4	1.256-4	1.115-4	8.973-5	7.092-5	6.553-5	6.056-5	5.037-5
31	98	7.078-5	6.419-5	5.406-5	5.077-5	4.780-5	4.241-5	3.486-5	3.166-5	2.828-5	2.120-5
31	99	8.577-5	7.227-5	5.361-5	4.811-5	4.352-5	3.644-5	2.899-5	2.633-5	2.366-5	1.824-5
31	100	6.606-5	6.074-5	5.511-5	5.361-5	5.236-5	5.000-5	4.585-5	4.382-5	4.150-5	3.554-5
31	101	1.902-5	1.602-5	1.289-5	1.191-5	1.103-5	9.530-6	7.721-6	7.026-6	6.314-6	4.845-6
31	102	5.879-4	5.912-4	5.952-4	5.995-4	6.052-4	6.180-4	6.344-4	6.404-4	6.456-4	6.296-4
31	103	2.140-4	2.115-4	2.083-4	2.080-4	2.082-4	2.099-4	2.141-4	2.161-4	2.179-4	2.128-4
31	104	9.588-5	9.010-5	7.710-5	7.203-5	6.759-5	6.115-5	5.689-5	5.613-5	5.558-5	5.287-5
31	105	3.887-4	3.872-4	3.834-4	3.821-4	3.809-4	3.775-4	3.667-4	3.602-4	3.519-4	3.210-4
31	106	1.299-4	1.042-4	7.214-5	6.289-5	5.537-5	4.484-5	3.694-5	3.496-5	3.323-5	2.937-5
31	107	1.525-4	1.345-4	9.304-5	7.662-5	6.200-5	3.996-5	2.342-5	1.973-5	1.690-5	1.271-5
31	108	6.494-4	5.928-4	5.259-4	5.113-4	5.026-4	4.989-4	5.148-4	5.264-4	5.404-4	5.502-4
31	109	4.632-3	4.511-3	4.515-3	4.595-3	4.702-3	4.960-3	5.386-3	5.589-3	5.814-3	6.048-3
31	110	3.525-4	3.458-4	3.206-4	3.105-4	3.010-4	2.833-4	2.561-4	2.428-4	2.272-4	1.869-4
31	111	2.539-4	2.502-4	2.408-4	2.375-4	2.344-4	2.278-4	2.145-4	2.072-4	1.982-4	1.722-4
31	112	1.201-3	1.221-3	1.276-3	1.300-3	1.325-3	1.375-3	1.452-3	1.491-3	1.535-3	1.568-3
31	113	2.517-5	1.853-5	1.157-5	9.781-6	8.383-6	6.470-6	4.955-6	4.519-6	4.103-6	3.245-6
31	114	1.311-5	1.310-5	1.337-5	1.348-5	1.356-5	1.349-5	1.284-5	1.243-5	1.193-5	1.047-5
31	115	4.535-6	4.268-6	3.986-6	3.891-6	3.790-6	3.533-6	3.000-6	2.739-6	2.454-6	1.841-6
31	116	7.168-6	6.983-6	6.809-6	6.776-6	6.756-6	6.753-6	6.808-6	6.843-6	6.872-6	6.653-6
31	117	4.398-6	4.270-6	4.236-6	4.234-6	4.218-6	4.104-6	3.733-6	3.531-6	3.302-6	2.746-6
31	118	8.820-6	8.784-6	8.765-6	8.775-6	8.793-6	8.846-6	8.937-6	8.968-6	8.979-6	8.618-6
31	119	4.355-6	4.217-6	4.075-6	4.015-6	3.938-6	3.706-6	3.182-6	2.924-6	2.642-6	2.033-6
31	120	3.626-4	3.679-4	3.760-4	3.789-4	3.816-4	3.865-4	3.937-4	3.974-4	4.016-4	3.950-4
31	121	3.741-6	3.723-6	3.716-6	3.714-6	3.711-6	3.695-6	3.642-6	3.610-6	3.564-6	3.331-6
31	122	7.672-6	7.633-6	7.603-6	7.595-6	7.583-6	7.529-6	7.361-6	7.264-6	7.138-6	6.602-6
31	123	6.279-6	6.256-6	6.243-6	6.234-6	6.219-6	6.160-6	6.020-6	5.949-6	5.863-6	5.469-6
31	124	2.334-6	2.325-6	2.299-6	2.282-6	2.257-6	2.179-6	1.995-6	1.902-6	1.797-6	1.531-6
31	125	2.198-6	2.193-6	2.173-6	2.157-6	2.135-6	2.059-6	1.873-6	1.775-6	1.661-6	1.378-6
32	33	1.186-2	1.076-2	8.052-3	6.903-3	5.794-3	3.912-3	2.287-3	1.895-3	1.588-3	1.135-3
32	34	1.208-1	9.861-2	8.310-2	7.801-2	7.286-2	6.306-2	5.220-2	4.874-2	4.558-2	3.934-2
32	35	2.501-2	2.692-2	2.754-2	2.637-2	2.461-2	2.034-2	1.495-2	1.319-2	1.159-2	8.762-3
32	36	1.449-2	1.541-2	1.505-2	1.424-2	1.322-2	1.105-2	8.665-3	7.945-3	7.297-3	6.069-3
32	37	8.195-3	9.512-3	1.004-2	9.613-3	8.956-3	7.455-3	5.829-3	5.366-3	4.959-3	4.184-3
32	38	1.021-2	9.783-3	8.674-3	7.932-3	7.122-3	5.594-3	4.060-3	3.624-3	3.249-3	2.604-3
32	39	8.350-3	8.289-3	6.292-3	5.287-3	4.347-3	2.938-3	2.064-3	1.952-3	1.923-3	1.966-3
32	40	6.589-3	6.986-3	5.877-3	5.206-3	4.620-3	4.056-3	4.484-3	4.874-3	5.359-3	6.261-3
32	41	1.292-2	1.341-2	1.203-2	1.098-2	9.783-3	7.401-3	4.870-3	4.126-3	3.471-3	2.375-3
32	42	2.544-2	2.659-2	2.278-2	2.042-2	1.794-2	1.336-2	8.783-3	7.472-3	6.332-3	4.446-3
32	43	1.906-3	1.525-3	9.697-4	7.815-4	6.168-4	3.669-4	1.751-4	1.323-4	9.995-5	5.708-5
32	44	1.747-3	1.387-3	1.016-3	8.687-4	7.207-4	4.554-4	2.188-4	1.633-4	1.214-4	6.684-5
32	45	3.905-3	3.587-3	2.771-3	2.369-3	1.967-3	1.270-3	6.626-4	5.168-4	4.032-4	2.444-4
32	46	4.638-3	4.759-3	3.783-3	3.371-3	3.069-3	2.937-3	3.508-3	3.845-3	4.225-3	4.864-3
32	47	5.716-3	5.129-3	4.242-3	4.072-3	4.100-3	4.844-3	6.725-3	7.536-3	8.377-3	9.682-3
32	48	1.362-2	9.573-3	5.316-3	4.234-3	3.423-3	2.502-3	2.215-3	2.260-3	2.354-3	2.535-3
32	49	1.160-2	7.765-3	4.272-3	3.374-3	2.678-3	1.802-3	1.357-3	1.313-3	1.310-3	1.333-3
32	50	7.753-4	6.712-4	5.394-4	4.757-4	4.063-4	2.729-4	1.463-4	1.147-4	8.975-5	5.449-5
32	51	1.794-2	1.963-2	1.727-2	1.559-2	1.380-2	1.061-2	7.773-3	7.068-3	6.493-3	5.482-3
32	52	4.095-3	4.336-3	4.095-3	3.782-3	3.406-3	2.661-3	1.942-3	1.756-3	1.602-3	1.332-3
32	53	1.821-2	1.901-2	1.673-2	1.517-2	1.350-2	1.046-2	7.704-3	7.015-3	6.453-3	5.465-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
32	54	8.084-3	8.573-3	8.312-3	7.858-3	7.304-3	6.209-3	5.172-3	4.909-3	4.693-3	4.236-3
32	55	5.999-4	5.576-4	4.175-4	3.489-4	2.816-4	1.694-4	7.815-5	5.771-5	4.248-5	2.289-5
32	56	2.035-3	1.871-3	1.386-3	1.166-3	9.578-4	6.255-4	3.715-4	3.177-4	2.792-4	2.278-4
32	57	1.651-3	1.513-3	1.071-3	8.772-4	6.988-4	4.216-4	2.092-4	1.619-4	1.260-4	7.715-5
32	58	4.616-3	4.107-3	3.188-3	2.743-3	2.294-3	1.515-3	8.512-4	6.971-4	5.796-4	4.152-4
32	59	3.916-3	4.051-3	3.286-3	2.856-3	2.420-3	1.667-3	1.011-3	8.487-4	7.167-4	5.116-4
32	60	2.405-3	1.954-3	1.344-3	1.149-3	9.921-4	8.054-4	7.533-4	7.689-4	7.963-4	8.382-4
32	61	3.409-3	3.004-3	2.264-3	1.972-3	1.703-3	1.273-3	9.192-4	8.315-4	7.589-4	6.302-4
32	62	2.844-3	2.391-3	1.694-3	1.411-3	1.143-3	7.111-4	3.742-4	3.023-4	2.507-4	1.852-4
32	63	1.355-3	1.187-3	9.925-4	9.167-4	8.459-4	7.335-4	6.466-4	6.273-4	6.119-4	5.701-4
32	64	1.134-3	1.090-3	7.799-4	6.541-4	5.444-4	3.901-4	2.977-4	2.852-4	2.804-4	2.757-4
32	65	3.395-3	3.173-3	2.394-3	2.001-3	1.614-3	9.716-4	4.565-4	3.428-4	2.590-4	1.518-4
32	66	1.681-3	1.438-3	9.403-4	7.557-4	5.921-4	3.451-4	1.602-4	1.200-4	9.014-5	5.125-5
32	67	4.427-3	4.202-3	3.107-3	2.618-3	2.169-3	1.487-3	1.015-3	9.316-4	8.816-4	8.202-4
32	68	3.155-3	2.557-3	1.666-3	1.347-3	1.067-3	6.505-4	3.531-4	2.938-4	2.531-4	2.030-4
32	69	6.621-3	6.133-3	5.452-3	5.191-3	4.944-3	4.498-3	3.926-3	3.684-3	3.415-3	2.771-3
32	70	3.631-3	3.090-3	2.284-3	2.011-3	1.789-3	1.519-3	1.429-3	1.447-3	1.483-3	1.527-3
32	71	4.796-3	4.360-3	3.498-3	3.139-3	2.802-3	2.248-3	1.731-3	1.572-3	1.420-3	1.113-3
32	72	6.337-4	5.385-4	3.931-4	3.333-4	2.771-4	1.866-4	1.128-4	9.522-5	8.115-5	5.937-5
32	73	1.971-2	1.965-2	1.944-2	1.971-2	2.034-2	2.248-2	2.617-2	2.766-2	2.918-2	3.096-2
32	74	6.075-3	5.811-3	4.467-3	3.749-3	3.055-3	1.934-3	1.045-3	8.410-4	6.832-4	4.562-4
32	75	5.389-3	5.700-3	4.514-3	3.809-3	3.124-3	2.018-3	1.135-3	9.287-4	7.659-4	5.229-4
32	76	7.822-4	7.074-4	5.250-4	4.466-4	3.732-4	2.557-4	1.608-4	1.382-4	1.200-4	9.108-5
32	77	5.863-3	5.289-3	3.595-3	2.897-3	2.271-3	1.327-3	6.271-4	4.759-4	3.637-4	2.167-4
32	78	1.216-2	9.827-3	6.141-3	4.882-3	3.805-3	2.241-3	1.110-3	8.643-4	6.795-4	4.277-4
32	79	4.527-3	4.390-3	4.231-3	4.260-3	4.370-3	4.793-3	5.563-3	5.888-3	6.228-3	6.644-3
32	80	5.532-3	4.481-3	2.818-3	2.272-3	1.813-3	1.154-3	6.701-4	5.585-4	4.691-4	3.305-4
32	81	2.445-3	2.013-3	1.219-3	9.552-4	7.351-4	4.236-4	2.034-4	1.563-4	1.211-4	7.441-5
32	82	1.412-3	1.211-3	7.506-4	5.908-4	4.560-4	2.639-4	1.278-4	9.879-5	7.713-5	4.815-5
32	83	2.318-3	1.822-3	1.039-3	8.018-4	6.099-4	3.461-4	1.658-4	1.283-4	1.007-4	6.452-5
32	84	9.471-4	7.453-4	4.330-4	3.371-4	2.587-4	1.498-4	7.364-5	5.728-5	4.497-5	2.826-5
32	85	5.084-4	3.973-4	2.285-4	1.775-4	1.360-4	7.840-5	3.839-5	2.986-5	2.347-5	1.486-5
32	86	1.158-3	8.797-4	4.920-4	3.792-4	2.885-4	1.643-4	7.896-5	6.094-5	4.754-5	2.966-5
32	87	7.517-4	5.422-4	3.116-4	2.473-4	1.957-4	1.248-4	7.372-5	6.179-5	5.209-5	3.676-5
32	88	7.702-2	7.717-2	8.097-2	8.402-2	8.794-2	9.719-2	1.105-1	1.160-1	1.218-1	1.284-1
32	89	2.089-4	1.629-4	1.131-4	9.796-5	8.508-5	6.588-5	5.024-5	4.601-5	4.218-5	3.450-5
32	90	5.321-2	5.365-2	5.628-2	5.824-2	6.074-2	6.664-2	7.518-2	7.870-2	8.239-2	8.640-2
32	91	5.880-2	5.972-2	6.331-2	6.584-2	6.902-2	7.639-2	8.685-2	9.117-2	9.574-2	1.010-1
32	92	7.635-4	6.543-4	5.420-4	5.126-4	4.885-4	4.497-4	3.994-4	3.769-4	3.510-4	2.865-4
32	93	1.354-4	9.877-5	5.714-5	4.594-5	3.708-5	2.492-5	1.569-5	1.331-5	1.127-5	7.842-6
32	94	8.795-4	8.729-4	8.911-4	9.120-4	9.407-4	1.011-3	1.114-3	1.157-3	1.203-3	1.246-3
32	95	2.622-3	2.570-3	2.495-3	2.467-3	2.436-3	2.355-3	2.170-3	2.065-3	1.936-3	1.596-3
32	96	6.233-4	6.005-4	5.959-4	6.061-4	6.225-4	6.659-4	7.329-4	7.616-4	7.920-4	8.216-4
32	97	7.431-3	7.590-3	8.027-3	8.316-3	8.671-3	9.477-3	1.063-2	1.112-2	1.164-2	1.223-2
32	98	4.133-5	2.886-5	1.551-5	1.205-5	9.342-6	5.679-6	3.050-6	2.438-6	1.951-6	1.238-6
32	99	3.524-4	3.339-4	3.155-4	3.100-4	3.046-4	2.929-4	2.696-4	2.570-4	2.419-4	2.018-4
32	100	3.887-4	3.828-4	3.775-4	3.770-4	3.769-4	3.759-4	3.668-4	3.603-4	3.516-4	3.199-4
32	101	1.329-4	1.278-4	1.233-4	1.221-4	1.209-4	1.181-4	1.115-4	1.077-4	1.031-4	8.946-5
32	102	7.911-4	7.871-4	7.784-4	7.731-4	7.661-4	7.442-4	6.872-4	6.541-4	6.133-4	5.053-4
32	103	1.317-3	1.348-3	1.396-3	1.429-3	1.470-3	1.562-3	1.698-3	1.759-3	1.825-3	1.887-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
32	104	9.337-5	9.451-5	9.669-5	9.855-5	1.009-4	1.062-4	1.139-4	1.173-4	1.210-4	1.239-4
32	105	1.067-3	1.093-3	1.132-3	1.159-3	1.192-3	1.265-3	1.371-3	1.418-3	1.469-3	1.515-3
32	106	5.550-5	5.194-5	3.562-5	2.878-5	2.266-5	1.341-5	6.507-6	4.998-6	3.869-6	2.366-6
32	107	3.249-5	3.216-5	3.111-5	3.096-5	3.097-5	3.130-5	3.219-5	3.270-5	3.327-5	3.322-5
32	108	6.365-5	6.302-5	4.658-5	3.888-5	3.176-5	2.065-5	1.191-5	9.848-6	8.202-6	5.705-6
32	109	5.544-5	4.593-5	2.957-5	2.388-5	1.898-5	1.181-5	6.476-6	5.268-6	4.325-6	2.938-6
32	110	1.980-5	1.686-5	1.100-5	8.852-6	6.993-6	4.262-6	2.252-6	1.807-6	1.467-6	9.885-7
32	111	1.264-5	1.018-5	6.128-6	4.819-6	3.725-6	2.171-6	1.063-6	8.240-7	6.447-7	4.025-7
32	112	1.507-5	1.299-5	8.525-6	7.070-6	5.866-6	4.157-6	2.883-6	2.578-6	2.328-6	1.894-6
32	113	1.008-5	1.037-5	8.797-6	7.725-6	6.639-6	4.794-6	3.176-6	2.747-6	2.376-6	1.736-6
32	114	2.317-5	1.943-5	1.569-5	1.472-5	1.393-5	1.270-5	1.124-5	1.061-5	9.884-6	8.085-6
32	115	5.468-6	3.538-6	1.843-6	1.434-6	1.122-6	7.067-7	4.101-7	3.393-7	2.814-7	1.915-7
32	116	1.209-4	1.226-4	1.271-4	1.292-4	1.312-4	1.354-4	1.427-4	1.465-4	1.510-4	1.545-4
32	117	2.268-4	2.302-4	2.391-4	2.430-4	2.469-4	2.549-4	2.685-4	2.756-4	2.837-4	2.897-4
32	118	9.769-5	9.997-5	1.046-4	1.066-4	1.086-4	1.127-4	1.198-4	1.236-4	1.279-4	1.320-4
32	119	9.231-5	9.163-5	8.994-5	8.909-5	8.809-5	8.531-5	7.867-5	7.491-5	7.030-5	5.807-5
32	120	6.346-6	6.533-6	4.754-6	3.944-6	3.219-6	2.126-6	1.286-6	1.086-6	9.233-7	6.636-7
32	121	3.247-6	2.993-6	2.692-6	2.599-6	2.513-6	2.340-6	2.047-6	1.909-6	1.753-6	1.393-6
32	122	1.094-5	1.072-5	1.063-5	1.063-5	1.063-5	1.066-5	1.075-5	1.082-5	1.091-5	1.069-5
32	123	1.208-4	1.209-4	1.233-4	1.244-4	1.257-4	1.286-4	1.349-4	1.385-4	1.427-4	1.459-4
32	124	4.702-5	4.689-5	4.640-5	4.607-5	4.561-5	4.414-5	4.023-5	3.797-5	3.522-5	2.828-5
32	125	5.330-6	5.336-6	5.340-6	5.341-6	5.342-6	5.344-6	5.356-6	5.372-6	5.391-6	5.235-6
33	34	1.519-2	1.223-2	8.265-3	6.922-3	5.687-3	3.644-3	1.909-3	1.504-3	1.197-3	7.876-4
33	35	1.325-2	1.095-2	7.268-3	5.952-3	4.789-3	3.024-3	1.694-3	1.406-3	1.194-3	9.100-4
33	36	6.989-3	6.105-3	4.245-3	3.522-3	2.854-3	1.778-3	9.098-4	7.135-4	5.661-4	3.699-4
33	37	3.344-3	2.791-3	1.829-3	1.498-3	1.207-3	7.623-4	4.233-4	3.491-4	2.942-4	2.201-4
33	38	9.216-3	8.138-3	5.773-3	4.822-3	3.957-3	2.618-3	1.603-3	1.383-3	1.221-3	9.953-4
33	39	1.183-1	1.135-1	1.045-1	1.040-1	1.093-1	1.446-1	2.300-1	2.686-1	3.104-1	3.845-1
33	40	2.438-1	2.335-1	2.146-1	2.142-1	2.255-1	2.969-1	4.651-1	5.397-1	6.198-1	7.585-1
33	41	1.333-2	1.348-2	1.074-2	9.300-3	7.839-3	5.257-3	2.992-3	2.459-3	2.054-3	1.491-3
33	42	8.286-3	7.403-3	5.331-3	4.450-3	3.616-3	2.257-3	1.155-3	9.053-4	7.178-4	4.677-4
33	43	4.068-2	3.046-2	1.878-2	1.538-2	1.257-2	8.468-3	5.164-3	4.300-3	3.564-3	2.376-3
33	44	5.266-2	4.594-2	3.749-2	3.335-2	2.870-2	1.947-2	1.058-2	8.402-3	6.729-3	4.428-3
33	45	9.979-2	8.088-2	5.626-2	4.767-2	3.968-2	2.639-2	1.494-2	1.216-2	9.938-3	6.645-3
33	46	2.449-1	2.443-1	2.295-1	2.313-1	2.458-1	3.228-1	4.880-1	5.573-1	6.294-1	7.456-1
33	47	4.316-1	3.951-1	3.552-1	3.571-1	3.787-1	4.890-1	7.175-1	8.114-1	9.075-1	1.056-0
33	48	1.136-1	1.020-1	8.972-2	8.949-2	9.417-2	1.201-1	1.742-1	1.963-1	2.190-1	2.539-1
33	49	1.194-1	1.027-1	9.012-2	9.037-2	9.561-2	1.224-1	1.770-1	1.992-1	2.218-1	2.560-1
33	50	1.032-2	9.251-3	7.577-3	7.028-3	6.531-3	5.632-3	4.438-3	3.958-3	3.464-3	2.486-3
33	51	1.686-2	1.609-2	1.463-2	1.416-2	1.379-2	1.334-2	1.298-2	1.284-2	1.268-2	1.194-2
33	52	1.104-2	9.999-3	8.328-3	7.768-3	7.268-3	6.423-3	5.413-3	5.027-3	4.634-3	3.798-3
33	53	8.123-3	7.492-3	6.278-3	5.838-3	5.438-3	4.780-3	4.111-3	3.888-3	3.673-3	3.194-3
33	54	3.925-3	3.234-3	2.348-3	2.071-3	1.831-3	1.445-3	1.054-3	9.246-4	8.007-4	5.707-4
33	55	9.986-3	8.484-3	6.677-3	6.286-3	6.154-3	6.669-3	8.304-3	9.036-3	9.801-3	1.091-2
33	56	1.660-2	1.560-2	1.413-2	1.388-2	1.408-2	1.602-2	2.054-2	2.247-2	2.445-2	2.731-2
33	57	8.800-4	7.554-4	5.054-4	4.131-4	3.322-4	2.125-4	1.260-4	1.079-4	9.472-5	7.630-5
33	58	4.361-2	4.221-2	4.047-2	4.007-2	3.991-2	4.025-2	4.124-2	4.158-2	4.183-2	4.074-2
33	59	3.523-2	3.374-2	3.235-2	3.203-2	3.189-2	3.213-2	3.294-2	3.324-2	3.348-2	3.267-2
33	60	4.941-2	4.933-2	5.029-2	5.257-2	5.690-2	7.158-2	9.678-2	1.066-1	1.164-1	1.299-1
33	61	6.278-2	6.255-2	6.243-2	6.264-2	6.313-2	6.481-2	6.734-2	6.815-2	6.879-2	6.729-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
33	62	4.980-3	4.336-3	3.393-3	3.089-3	2.845-3	2.560-3	2.514-3	2.562-3	2.631-3	2.706-3
33	63	1.679-2	1.668-2	1.654-2	1.657-2	1.667-2	1.706-2	1.769-2	1.791-2	1.808-2	1.769-2
33	64	1.449-2	1.422-2	1.429-2	1.489-2	1.606-2	1.990-2	2.625-2	2.870-2	3.114-2	3.445-2
33	65	6.436-3	5.800-3	4.279-3	3.719-3	3.252-3	2.662-3	2.443-3	2.467-3	2.529-3	2.615-3
33	66	1.096-3	8.986-4	5.497-4	4.411-4	3.522-4	2.290-4	1.452-4	1.282-4	1.159-4	9.778-5
33	67	6.373-2	6.297-2	6.354-2	6.581-2	6.987-2	8.249-2	1.030-1	1.110-1	1.191-1	1.296-1
33	68	9.521-3	7.873-3	6.014-3	5.577-3	5.332-3	5.361-3	6.029-3	6.377-3	6.756-3	7.252-3
33	69	1.245-3	1.034-3	7.982-4	7.206-4	6.526-4	5.500-4	4.718-4	4.538-4	4.392-4	4.037-4
33	70	8.174-2	8.068-2	8.191-2	8.477-2	8.958-2	1.038-1	1.266-1	1.355-1	1.445-1	1.560-1
33	71	1.563-3	1.542-3	1.418-3	1.355-3	1.296-3	1.204-3	1.136-3	1.121-3	1.109-3	1.054-3
33	72	3.738-3	3.484-3	3.079-3	2.959-3	2.866-3	2.759-3	2.728-3	2.734-3	2.742-3	2.662-3
33	73	2.236-4	2.084-4	1.566-4	1.336-4	1.120-4	7.769-5	4.988-5	4.304-5	3.735-5	2.786-5
33	74	4.832-4	4.077-4	2.885-4	2.407-4	1.964-4	1.260-4	6.985-5	5.681-5	4.668-5	3.211-5
33	75	7.092-4	6.010-4	4.258-4	3.597-4	3.003-4	2.094-4	1.404-4	1.250-4	1.133-4	9.462-5
33	76	5.419-3	4.117-3	2.862-3	2.476-3	2.146-3	1.661-3	1.310-3	1.236-3	1.181-3	1.074-3
33	77	1.492-3	1.287-3	9.556-4	8.320-4	7.206-4	5.488-4	4.197-4	3.926-4	3.729-4	3.370-4
33	78	2.579-3	2.227-3	1.657-3	1.409-3	1.176-3	8.047-4	5.163-4	4.528-4	4.050-4	3.326-4
33	79	1.618-4	1.634-4	1.287-4	1.096-4	9.139-5	6.330-5	4.356-5	3.998-5	3.779-5	3.494-5
33	80	1.012-3	9.616-4	6.969-4	5.813-4	4.772-4	3.197-4	1.991-4	1.708-4	1.480-4	1.120-4
33	81	4.838-4	4.121-4	2.617-4	2.090-4	1.643-4	9.958-5	5.217-5	4.147-5	3.317-5	2.131-5
33	82	9.396-4	8.751-4	5.854-4	4.701-4	3.697-4	2.227-4	1.154-4	9.167-5	7.352-5	4.802-5
33	83	8.303-4	7.380-4	4.971-4	4.150-4	3.473-4	2.521-4	1.782-4	1.583-4	1.405-4	1.080-4
33	84	8.492-4	6.801-4	4.326-4	3.567-4	2.947-4	2.079-4	1.439-4	1.284-4	1.153-4	9.225-5
33	85	2.663-4	2.051-4	1.215-4	9.679-5	7.663-5	4.838-5	2.786-5	2.317-5	1.950-5	1.403-5
33	86	9.966-4	8.177-4	5.515-4	4.753-4	4.146-4	3.310-4	2.649-4	2.461-4	2.284-4	1.908-4
33	87	1.024-3	7.047-4	4.036-4	3.333-4	2.814-4	2.150-4	1.638-4	1.486-4	1.343-4	1.062-4
33	88	9.391-4	6.543-4	4.388-4	3.966-4	3.696-4	3.453-4	3.444-4	3.490-4	3.552-4	3.564-4
33	89	1.328-2	1.225-2	1.174-2	1.183-2	1.206-2	1.278-2	1.397-2	1.449-2	1.503-2	1.553-2
33	90	9.703-4	8.328-4	7.582-4	7.593-4	7.732-4	8.249-4	9.160-4	9.560-4	9.985-4	1.044-3
33	91	8.475-4	7.622-4	7.239-4	7.333-4	7.538-4	8.143-4	9.122-4	9.547-4	1.000-3	1.052-3
33	92	2.008-4	1.313-4	7.172-5	5.759-5	4.673-5	3.199-5	2.059-5	1.757-5	1.495-5	1.053-5
33	93	1.878-4	1.755-4	1.440-4	1.337-4	1.254-4	1.131-4	9.795-5	9.140-5	8.430-5	6.820-5
33	94	8.650-2	8.813-2	9.334-2	9.684-2	1.012-1	1.111-1	1.253-1	1.312-1	1.374-1	1.444-1
33	95	9.521-5	8.073-5	6.642-5	6.235-5	5.885-5	5.298-5	4.563-5	4.261-5	3.936-5	3.190-5
33	96	5.159-4	5.141-4	5.303-4	5.448-4	5.638-4	6.090-4	6.756-4	7.038-4	7.337-4	7.645-4
33	97	5.008-3	5.116-3	5.400-3	5.588-3	5.818-3	6.343-3	7.095-3	7.411-3	7.748-3	8.112-3
33	98	3.879-5	3.504-5	2.779-5	2.522-5	2.291-5	1.903-5	1.481-5	1.337-5	1.200-5	9.348-6
33	99	3.710-4	3.750-4	3.859-4	3.952-4	4.074-4	4.359-4	4.779-4	4.959-4	5.152-4	5.337-4
33	100	3.420-4	3.476-4	3.619-4	3.728-4	3.864-4	4.176-4	4.637-4	4.839-4	5.057-4	5.299-4
33	101	1.292-4	1.265-4	1.265-4	1.287-4	1.321-4	1.403-4	1.527-4	1.581-4	1.639-4	1.693-4
33	102	4.152-5	4.094-5	3.875-5	3.779-5	3.685-5	3.515-5	3.300-5	3.220-5	3.138-5	2.883-5
33	103	7.308-5	7.004-5	6.609-5	6.488-5	6.386-5	6.215-5	5.987-5	5.895-5	5.794-5	5.403-5
33	104	2.043-4	1.980-4	1.896-4	1.866-4	1.835-4	1.768-4	1.639-4	1.571-4	1.488-4	1.264-4
33	105	9.387-5	9.258-5	9.020-5	9.002-5	9.032-5	9.195-5	9.576-5	9.784-5	1.002-4	1.015-4
33	106	2.306-4	2.160-4	1.729-4	1.567-4	1.425-4	1.203-4	9.900-5	9.196-5	8.497-5	6.970-5
33	107	9.063-4	9.020-4	8.818-4	8.721-4	8.615-4	8.357-4	7.800-4	7.494-4	7.121-4	6.084-4
33	108	2.068-4	2.007-4	1.778-4	1.701-4	1.635-4	1.522-4	1.365-4	1.297-4	1.224-4	1.043-4
33	109	3.134-4	2.849-4	2.250-4	2.066-4	1.915-4	1.679-4	1.415-4	1.313-4	1.207-4	9.738-5
33	110	1.336-4	1.192-4	1.043-4	1.012-4	9.892-5	9.440-5	8.449-5	7.928-5	7.334-5	5.935-5
33	111	1.391-4	1.062-4	6.983-5	5.964-5	5.134-5	3.939-5	2.923-5	2.620-5	2.334-5	1.778-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
33	112	2.847-4	2.697-4	2.425-4	2.339-4	2.263-4	2.120-4	1.896-4	1.795-4	1.683-4	1.412-4
33	113	2.750-5	2.452-5	2.089-5	1.980-5	1.887-5	1.729-5	1.521-5	1.430-5	1.329-5	1.086-5
33	114	4.064-5	3.482-5	2.782-5	2.585-5	2.420-5	2.155-5	1.852-5	1.741-5	1.631-5	1.388-5
33	115	2.770-5	2.332-5	1.799-5	1.646-5	1.516-5	1.302-5	1.046-5	9.499-6	8.542-6	6.623-6
33	116	1.886-5	1.628-5	1.343-5	1.269-5	1.208-5	1.114-5	1.013-5	9.790-6	9.465-6	8.613-6
33	117	1.091-4	1.084-4	1.100-4	1.112-4	1.125-4	1.156-4	1.217-4	1.252-4	1.292-4	1.327-4
33	118	1.942-5	1.787-5	1.580-5	1.522-5	1.475-5	1.399-5	1.308-5	1.273-5	1.235-5	1.121-5
33	119	3.810-5	3.667-5	3.551-5	3.520-5	3.486-5	3.386-5	3.167-5	3.061-5	2.946-5	2.624-5
33	120	7.504-5	7.489-5	6.614-5	6.257-5	5.938-5	5.417-5	4.837-5	4.611-5	4.364-5	3.731-5
33	121	1.319-4	1.335-4	1.371-4	1.388-4	1.406-4	1.447-4	1.528-4	1.574-4	1.627-4	1.676-4
33	122	3.164-4	3.185-4	3.259-4	3.294-4	3.331-4	3.417-4	3.594-4	3.695-4	3.814-4	3.917-4
33	123	3.170-4	3.168-4	3.234-4	3.265-4	3.298-4	3.374-4	3.536-4	3.628-4	3.736-4	3.819-4
33	124	8.778-6	8.628-6	8.505-6	8.465-6	8.423-6	8.319-6	8.128-6	8.052-6	7.969-6	7.531-6
33	125	5.284-5	5.300-5	5.332-5	5.354-5	5.383-5	5.481-5	5.752-5	5.918-5	6.117-5	6.304-5
34	35	1.020-1	9.040-2	8.102-2	7.503-2	6.763-2	5.162-2	3.416-2	2.929-2	2.522-2	1.882-2
34	36	3.924-2	3.479-2	2.985-2	2.749-2	2.496-2	2.017-2	1.540-2	1.410-2	1.300-2	1.109-2
34	37	7.846-3	7.952-3	7.440-3	6.954-3	6.376-3	5.179-3	3.816-3	3.386-3	2.997-3	2.313-3
34	38	7.040-2	7.770-2	8.002-2	7.732-2	7.338-2	6.417-2	5.244-2	4.840-2	4.452-2	3.674-2
34	39	5.914-3	5.499-3	3.985-3	3.299-3	2.655-3	1.639-3	8.767-4	7.222-4	6.177-4	5.000-4
34	40	8.576-3	8.591-3	6.687-3	5.708-3	4.806-3	3.546-3	3.007-3	3.051-3	3.199-3	3.576-3
34	41	2.252-2	2.362-2	2.196-2	2.043-2	1.867-2	1.511-2	1.118-2	9.979-3	8.894-3	6.948-3
34	42	4.805-2	5.424-2	4.973-2	4.522-2	4.002-2	2.971-2	1.906-2	1.608-2	1.354-2	9.447-3
34	43	1.056-2	9.713-3	7.364-3	6.517-3	5.905-3	5.644-3	6.870-3	7.617-3	8.489-3	1.006-2
34	44	2.640-3	2.217-3	1.633-3	1.395-3	1.155-3	7.291-4	3.517-4	2.638-4	1.980-4	1.130-4
34	45	8.131-3	7.418-3	5.682-3	4.877-3	4.074-3	2.671-3	1.435-3	1.138-3	9.055-4	5.805-4
34	46	3.465-3	3.124-3	2.202-3	1.816-3	1.457-3	8.788-4	4.180-4	3.151-4	2.384-4	1.389-4
34	47	5.558-3	4.748-3	3.105-3	2.515-3	2.000-3	1.237-3	7.012-4	5.974-4	5.288-4	4.502-4
34	48	1.974-3	1.712-3	1.215-3	1.008-3	8.109-4	4.891-4	2.300-4	1.722-4	1.292-4	7.376-5
34	49	3.751-3	3.200-3	2.271-3	1.885-3	1.522-3	9.336-4	4.618-4	3.549-4	2.740-4	1.657-4
34	50	1.647-2	1.940-2	1.849-2	1.689-2	1.497-2	1.121-2	7.724-3	6.878-3	6.218-3	5.166-3
34	51	1.827-2	1.889-2	1.679-2	1.531-2	1.370-2	1.070-2	7.903-3	7.173-3	6.561-3	5.467-3
34	52	3.787-2	3.398-2	2.782-2	2.500-2	2.214-2	1.705-2	1.238-2	1.116-2	1.013-2	8.285-3
34	53	6.331-3	6.001-3	5.083-3	4.642-3	4.198-3	3.418-3	2.716-3	2.536-3	2.386-3	2.093-3
34	54	2.766-3	2.414-3	2.010-3	1.867-3	1.736-3	1.528-3	1.360-3	1.320-3	1.285-3	1.192-3
34	55	1.212-3	1.017-3	7.168-4	5.935-4	4.764-4	2.851-4	1.311-4	9.674-5	7.116-5	3.835-5
34	56	2.505-3	2.264-3	1.672-3	1.405-3	1.149-3	7.330-4	4.042-4	3.322-4	2.795-4	2.097-4
34	57	3.872-3	3.655-3	2.570-3	2.105-3	1.685-3	1.045-3	5.623-4	4.549-4	3.731-4	2.579-4
34	58	1.313-2	1.431-2	1.289-2	1.155-2	9.999-3	7.031-3	4.317-3	3.672-3	3.177-3	2.455-3
34	59	7.503-3	7.369-3	6.210-3	5.599-3	4.973-3	3.864-3	2.860-3	2.601-3	2.383-3	1.992-3
34	60	1.797-3	1.562-3	1.076-3	8.819-4	7.024-4	4.183-4	1.959-4	1.467-4	1.101-4	6.250-5
34	61	1.484-2	1.143-2	8.038-3	6.890-3	5.830-3	4.096-3	2.603-3	2.222-3	1.902-3	1.375-3
34	62	4.809-3	4.120-3	2.930-3	2.453-3	2.014-3	1.338-3	8.515-4	7.592-4	6.999-4	6.278-4
34	63	2.315-3	2.013-3	1.715-3	1.600-3	1.487-3	1.290-3	1.102-3	1.048-3	9.991-4	8.864-4
34	64	8.641-4	8.220-4	5.918-4	4.886-4	3.914-4	2.356-4	1.120-4	8.427-5	6.334-5	3.567-5
34	65	1.676-2	1.611-2	1.233-2	1.044-2	8.631-3	5.765-3	3.684-3	3.292-3	3.044-3	2.747-3
34	66	3.484-3	3.042-3	1.959-3	1.568-3	1.230-3	7.344-4	3.700-4	2.897-4	2.289-4	1.457-4
34	67	2.276-3	2.126-3	1.612-3	1.350-3	1.091-3	6.572-4	3.044-4	2.252-4	1.660-4	8.965-5
34	68	5.112-3	4.437-3	3.130-3	2.576-3	2.055-3	1.221-3	5.708-4	4.294-4	3.257-4	1.937-4
34	69	1.080-2	9.319-3	7.066-3	6.216-3	5.428-3	4.142-3	3.016-3	2.711-3	2.442-3	1.940-3
34	70	8.004-3	7.422-3	5.452-3	4.634-3	3.912-3	2.879-3	2.247-3	2.161-3	2.129-3	2.094-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
34	71	5.572-3	5.059-3	4.087-3	3.710-3	3.365-3	2.808-3	2.290-3	2.132-3	1.980-3	1.653-3
34	72	6.988-3	6.531-3	5.414-3	4.927-3	4.463-3	3.681-3	2.906-3	2.653-3	2.403-3	1.878-3
34	73	6.689-2	6.655-2	6.820-2	7.083-2	7.507-2	8.728-2	1.062-1	1.137-1	1.213-1	1.309-1
34	74	3.608-3	3.210-3	2.326-3	1.994-3	1.702-3	1.258-3	9.078-4	8.211-4	7.482-4	6.157-4
34	75	3.725-3	3.452-3	2.577-3	2.233-3	1.927-3	1.459-3	1.083-3	9.864-4	9.032-4	7.463-4
34	76	4.584-3	4.451-3	3.630-3	3.244-3	2.874-3	2.259-3	1.690-3	1.521-3	1.363-3	1.051-3
34	77	9.746-3	8.125-3	5.315-3	4.318-3	3.453-3	2.169-3	1.206-3	9.857-4	8.129-4	5.554-4
34	78	1.160-2	9.062-3	5.724-3	4.632-3	3.701-3	2.342-3	1.333-3	1.103-3	9.206-4	6.456-4
34	79	7.891-3	7.045-3	5.718-3	5.232-3	4.822-3	4.275-3	3.964-3	3.920-3	3.896-3	3.752-3
34	80	1.497-2	1.257-2	7.996-3	6.354-3	4.936-3	2.861-3	1.362-3	1.040-3	8.016-4	4.860-4
34	81	8.503-3	7.434-3	4.704-3	3.708-3	2.855-3	1.622-3	7.433-4	5.571-4	4.198-4	2.422-4
34	82	1.979-3	1.776-3	1.141-3	9.046-4	7.019-4	4.085-4	1.983-4	1.532-4	1.196-4	7.457-5
34	83	4.431-3	3.649-3	2.212-3	1.734-3	1.333-3	7.643-4	3.640-4	2.792-4	2.162-4	1.329-4
34	84	1.799-3	1.450-3	8.696-4	6.792-4	5.200-4	2.943-4	1.353-4	1.016-4	7.665-5	4.414-5
34	85	3.669-3	2.993-3	1.796-3	1.410-3	1.091-3	6.435-4	3.276-4	2.590-4	2.068-4	1.337-4
34	86	2.394-3	1.937-3	1.129-3	8.768-4	6.702-4	3.836-4	1.853-4	1.435-4	1.125-4	7.128-5
34	87	2.327-3	1.838-3	1.072-3	8.376-4	6.468-4	3.824-4	1.976-4	1.575-4	1.269-4	8.364-5
34	88	1.428-2	1.344-2	1.329-2	1.359-2	1.408-2	1.537-2	1.729-2	1.809-2	1.893-2	1.986-2
34	89	6.724-4	5.017-4	3.051-4	2.456-4	1.955-4	1.231-4	7.194-5	6.161-5	5.438-5	4.483-5
34	90	6.113-2	6.125-2	6.411-2	6.649-2	6.957-2	7.687-2	8.730-2	9.158-2	9.606-2	1.011-1
34	91	1.722-3	1.419-3	1.108-3	1.028-3	9.654-4	8.705-4	7.633-4	7.184-4	6.680-4	5.443-4
34	92	7.252-2	7.297-2	7.641-2	7.911-2	8.261-2	9.095-2	1.032-1	1.082-1	1.135-1	1.195-1
34	93	3.409-4	2.592-4	1.500-4	1.185-4	9.322-5	5.838-5	3.327-5	2.742-5	2.271-5	1.551-5
34	94	4.048-3	4.076-3	4.250-3	4.376-3	4.541-3	4.939-3	5.534-3	5.791-3	6.066-3	6.381-3
34	95	3.238-2	3.283-2	3.441-2	3.555-2	3.700-2	4.041-2	4.537-2	4.745-2	4.963-2	5.198-2
34	96	3.762-2	3.834-2	4.057-2	4.208-2	4.394-2	4.820-2	5.427-2	5.682-2	5.952-2	6.256-2
34	97	3.567-2	3.649-2	3.873-2	4.022-2	4.204-2	4.617-2	5.199-2	5.444-2	5.705-2	6.002-2
34	98	1.984-3	1.850-3	1.720-3	1.682-3	1.648-3	1.578-3	1.445-3	1.373-3	1.287-3	1.059-3
34	99	9.927-3	1.017-2	1.071-2	1.107-2	1.151-2	1.249-2	1.391-2	1.452-2	1.517-2	1.588-2
34	100	1.671-4	1.469-4	1.274-4	1.232-4	1.207-4	1.193-4	1.218-4	1.239-4	1.264-4	1.273-4
34	101	4.335-5	2.970-5	1.911-5	1.657-5	1.457-5	1.170-5	9.118-6	8.292-6	7.489-6	5.854-6
34	102	2.273-3	2.256-3	2.226-3	2.210-3	2.189-3	2.127-3	1.967-3	1.874-3	1.760-3	1.456-3
34	103	2.326-3	2.382-3	2.468-3	2.529-3	2.603-3	2.766-3	2.995-3	3.093-3	3.197-3	3.283-3
34	104	1.467-4	1.415-4	1.360-4	1.340-4	1.318-4	1.267-4	1.161-4	1.103-4	1.033-4	8.502-5
34	105	5.976-3	6.132-3	6.371-3	6.539-3	6.741-3	7.183-3	7.804-3	8.075-3	8.368-3	8.635-3
34	106	6.963-5	6.361-5	4.298-5	3.458-5	2.712-5	1.594-5	7.629-6	5.804-6	4.431-6	2.596-6
34	107	6.206-5	5.835-5	5.214-5	4.967-5	4.732-5	4.307-5	3.772-5	3.547-5	3.295-5	2.682-5
34	108	2.245-4	2.059-4	1.393-4	1.123-4	8.829-5	5.218-5	2.529-5	1.940-5	1.497-5	9.018-6
34	109	1.369-4	1.193-4	7.615-5	6.068-5	4.744-5	2.828-5	1.444-5	1.144-5	9.163-6	6.016-6
34	110	1.507-4	1.152-4	6.926-5	5.499-5	4.315-5	2.635-5	1.418-5	1.145-5	9.312-6	6.190-6
34	111	2.484-5	1.965-5	1.169-5	9.167-6	7.070-6	4.103-6	1.998-6	1.544-6	1.203-6	7.423-7
34	112	2.084-5	1.716-5	1.045-5	8.329-6	6.578-6	4.108-6	2.293-6	1.868-6	1.526-6	1.008-6
34	113	2.821-5	2.497-5	1.778-5	1.480-5	1.208-5	7.882-6	4.593-6	3.815-6	3.191-6	2.232-6
34	114	1.262-4	1.181-4	1.135-4	1.131-4	1.131-4	1.134-4	1.142-4	1.146-4	1.150-4	1.114-4
34	115	9.971-5	8.589-5	7.455-5	7.176-5	6.943-5	6.535-5	5.903-5	5.592-5	5.225-5	4.287-5
34	116	1.129-4	1.106-4	1.103-4	1.106-4	1.110-4	1.118-4	1.127-4	1.131-4	1.134-4	1.100-4
34	117	4.427-4	4.481-4	4.645-4	4.718-4	4.792-4	4.938-4	5.174-4	5.296-4	5.433-4	5.511-4
34	118	1.613-5	1.521-5	1.427-5	1.399-5	1.372-5	1.315-5	1.201-5	1.140-5	1.067-5	8.771-6
34	119	1.651-3	1.687-3	1.765-3	1.797-3	1.829-3	1.893-3	2.004-3	2.060-3	2.124-3	2.173-3
34	120	3.311-5	3.062-5	2.050-5	1.658-5	1.318-5	8.198-6	4.520-6	3.684-6	3.025-6	2.045-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
34	121	3.313-6	2.908-6	2.341-6	2.166-6	2.014-6	1.758-6	1.436-6	1.306-6	1.170-6	8.836-7
34	122	3.886-5	3.871-5	3.907-5	3.931-5	3.958-5	4.019-5	4.143-5	4.217-5	4.304-5	4.327-5
34	123	5.110-5	5.073-5	5.041-5	5.027-5	5.009-5	4.948-5	4.783-5	4.689-5	4.570-5	4.154-5
34	124	1.140-4	1.140-4	1.136-4	1.133-4	1.130-4	1.119-4	1.092-4	1.077-4	1.059-4	9.819-5
34	125	5.299-5	5.296-5	5.272-5	5.254-5	5.229-5	5.145-5	4.916-5	4.787-5	4.629-5	4.135-5
35	36	6.036-2	5.932-2	5.558-2	5.269-2	4.948-2	4.351-2	3.794-2	3.663-2	3.584-2	3.486-2
35	37	9.088-3	9.437-3	8.919-3	8.439-3	7.890-3	6.826-3	5.744-3	5.458-3	5.254-3	4.971-3
35	38	7.820-2	8.269-2	8.067-2	7.583-2	6.990-2	5.809-2	4.667-2	4.383-2	4.173-2	3.846-2
35	39	7.632-3	6.982-3	4.976-3	4.131-3	3.374-3	2.304-3	1.731-3	1.666-3	1.640-3	1.589-3
35	40	1.205-2	1.076-2	7.714-3	6.531-3	5.521-3	4.294-3	4.100-3	4.252-3	4.444-3	4.665-3
35	41	3.311-2	3.373-2	2.970-2	2.718-2	2.449-2	1.939-2	1.411-2	1.256-2	1.120-2	8.793-3
35	42	4.190-2	4.639-2	4.350-2	4.014-2	3.623-2	2.834-2	1.977-2	1.717-2	1.484-2	1.080-2
35	43	3.436-2	3.189-2	2.685-2	2.584-2	2.628-2	3.287-2	5.055-2	5.889-2	6.819-2	8.515-2
35	44	2.779-3	2.481-3	1.830-3	1.540-3	1.259-3	7.887-4	3.977-4	3.073-4	2.384-4	1.447-4
35	45	8.618-3	8.740-3	7.238-3	6.308-3	5.336-3	3.595-3	2.036-3	1.654-3	1.352-3	9.128-4
35	46	8.502-3	8.204-3	6.123-3	5.360-3	4.815-3	4.573-3	5.589-3	6.217-3	6.959-3	8.327-3
35	47	1.156-2	1.058-2	8.408-3	7.834-3	7.649-3	8.677-3	1.196-2	1.347-2	1.510-2	1.784-2
35	48	1.933-3	1.755-3	1.289-3	1.076-3	8.689-4	5.256-4	2.464-4	1.837-4	1.369-4	7.644-5
35	49	4.428-3	3.728-3	2.683-3	2.243-3	1.822-3	1.133-3	5.719-4	4.430-4	3.447-4	2.113-4
35	50	3.222-2	3.333-2	3.099-2	2.912-2	2.706-2	2.321-2	1.969-2	1.881-2	1.807-2	1.646-2
35	51	1.571-2	1.468-2	1.185-2	1.043-2	8.983-3	6.403-3	4.069-3	3.477-3	2.991-3	2.216-3
35	52	4.745-2	3.921-2	3.029-2	2.669-2	2.311-2	1.682-2	1.108-2	9.565-3	8.285-3	6.125-3
35	53	5.949-3	5.904-3	5.177-3	4.804-3	4.436-3	3.823-3	3.331-3	3.222-3	3.138-3	2.928-3
35	54	1.225-3	1.087-3	8.516-4	7.541-4	6.596-4	5.002-4	3.652-4	3.331-4	3.077-4	2.645-4
35	55	1.427-3	1.226-3	8.652-4	7.149-4	5.731-4	3.435-4	1.598-4	1.187-4	8.787-5	4.786-5
35	56	2.357-3	2.205-3	1.708-3	1.472-3	1.250-3	9.131-4	6.965-4	6.661-4	6.549-4	6.472-4
35	57	2.957-3	2.971-3	2.196-3	1.811-3	1.450-3	8.861-4	4.553-4	3.604-4	2.891-4	1.922-4
35	58	1.504-2	1.518-2	1.332-2	1.219-2	1.099-2	8.788-3	6.740-3	6.201-3	5.744-3	4.885-3
35	59	5.710-3	5.483-3	4.386-3	3.854-3	3.320-3	2.386-3	1.558-3	1.352-3	1.185-3	9.184-4
35	60	8.547-3	6.549-3	4.154-3	3.488-3	2.986-3	2.446-3	2.359-3	2.431-3	2.537-3	2.702-3
35	61	3.633-2	2.711-2	1.860-2	1.585-2	1.334-2	9.273-3	5.892-3	5.084-3	4.445-3	3.452-3
35	62	3.462-3	2.941-3	2.055-3	1.696-3	1.360-3	8.207-4	3.947-4	3.012-4	2.322-4	1.437-4
35	63	6.029-4	5.726-4	4.821-4	4.364-4	3.889-4	3.019-4	2.179-4	1.948-4	1.750-4	1.401-4
35	64	8.670-4	8.211-4	5.904-4	4.878-4	3.924-4	2.410-4	1.215-4	9.422-5	7.332-5	4.451-5
35	65	1.259-2	1.203-2	9.500-3	8.289-3	7.177-3	5.581-3	4.712-3	4.653-3	4.691-3	4.774-3
35	66	4.575-3	3.911-3	2.481-3	1.978-3	1.549-3	9.257-4	4.712-4	3.708-4	2.942-4	1.877-4
35	67	2.316-3	2.149-3	1.627-3	1.365-3	1.106-3	6.724-4	3.195-4	2.409-4	1.827-4	1.077-4
35	68	1.876-2	1.435-2	9.325-3	7.651-3	6.194-3	4.058-3	2.593-3	2.326-3	2.160-3	1.961-3
35	69	1.242-2	1.068-2	7.760-3	6.610-3	5.530-3	3.765-3	2.289-3	1.928-3	1.637-3	1.181-3
35	70	4.060-3	3.736-3	2.689-3	2.217-3	1.771-3	1.056-3	4.962-4	3.734-4	2.827-4	1.661-4
35	71	4.902-3	4.592-3	3.854-3	3.543-3	3.249-3	2.761-3	2.309-3	2.176-3	2.051-3	1.773-3
35	72	1.104-2	9.959-3	7.848-3	6.996-3	6.202-3	4.900-3	3.703-3	3.349-3	3.019-3	2.371-3
35	73	3.807-2	3.699-2	3.715-2	3.839-2	4.057-2	4.706-2	5.733-2	6.138-2	6.552-2	7.084-2
35	74	3.385-3	2.995-3	2.144-3	1.814-3	1.519-3	1.069-3	7.208-4	6.389-4	5.731-4	4.637-4
35	75	3.560-3	3.388-3	2.538-3	2.182-3	1.860-3	1.367-3	9.845-4	8.939-4	8.201-4	6.886-4
35	76	8.616-3	8.525-3	7.000-3	6.227-3	5.468-3	4.178-3	3.004-3	2.674-3	2.377-3	1.825-3
35	77	6.898-3	6.062-3	4.427-3	3.800-3	3.238-3	2.370-3	1.655-3	1.467-3	1.303-3	1.005-3
35	78	6.632-3	5.743-3	4.187-3	3.597-3	3.068-3	2.245-3	1.558-3	1.375-3	1.214-3	9.207-4
35	79	3.142-2	3.063-2	3.054-2	3.127-2	3.259-2	3.656-2	4.295-2	4.552-2	4.816-2	5.134-2
35	80	1.318-2	1.147-2	7.397-3	5.878-3	4.556-3	2.612-3	1.204-3	9.044-4	6.839-4	3.991-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
35	81	1.141-2	1.003-2	6.343-3	5.006-3	3.866-3	2.224-3	1.056-3	8.070-4	6.229-4	3.804-4
35	82	1.331-3	1.197-3	7.811-4	6.224-4	4.848-4	2.837-4	1.390-4	1.082-4	8.538-5	5.517-5
35	83	2.599-3	2.170-3	1.330-3	1.045-3	8.048-4	4.635-4	2.226-4	1.715-4	1.337-4	8.349-5
35	84	1.706-3	1.411-3	8.692-4	6.820-4	5.228-4	2.935-4	1.305-4	9.610-5	7.087-5	3.874-5
35	85	2.759-3	2.218-3	1.303-3	1.016-3	7.799-4	4.495-4	2.176-4	1.678-4	1.305-4	8.014-5
35	86	3.480-3	2.947-3	1.824-3	1.436-3	1.109-3	6.416-4	3.091-4	2.380-4	1.849-4	1.139-4
35	87	2.502-3	2.025-3	1.201-3	9.409-4	7.267-4	4.277-4	2.189-4	1.743-4	1.409-4	9.493-5
35	88	1.789-2	1.755-2	1.802-2	1.862-2	1.944-2	2.145-2	2.433-2	2.551-2	2.674-2	2.811-2
35	89	1.388-3	1.246-3	1.050-3	9.894-4	9.446-4	9.031-4	9.238-4	9.495-4	9.825-4	1.020-3
35	90	1.126-2	1.056-2	1.024-2	1.041-2	1.072-2	1.161-2	1.301-2	1.361-2	1.424-2	1.493-2
35	91	9.859-4	7.972-4	5.999-4	5.484-4	5.070-4	4.458-4	3.827-4	3.584-4	3.319-4	2.688-4
35	92	5.949-2	5.998-2	6.293-2	6.521-2	6.816-2	7.521-2	8.551-2	8.975-2	9.420-2	9.921-2
35	93	2.898-4	2.191-4	1.271-4	1.009-4	7.995-5	5.113-5	3.049-5	2.573-5	2.194-5	1.607-5
35	94	4.364-4	3.817-4	2.722-4	2.276-4	1.864-4	1.219-4	7.330-5	6.331-5	5.636-5	4.720-5
35	95	8.070-2	8.219-2	8.671-2	8.981-2	9.372-2	1.028-1	1.159-1	1.213-1	1.270-1	1.332-1
35	96	2.829-2	2.883-2	3.055-2	3.173-2	3.319-2	3.653-2	4.125-2	4.322-2	4.530-2	4.763-2
35	97	1.271-2	1.292-2	1.364-2	1.415-2	1.478-2	1.623-2	1.827-2	1.912-2	2.002-2	2.104-2
35	98	8.273-4	6.377-4	4.680-4	4.255-4	3.917-4	3.420-4	2.920-4	2.732-4	2.529-4	2.050-4
35	99	1.366-2	1.394-2	1.462-2	1.511-2	1.571-2	1.705-2	1.896-2	1.976-2	2.062-2	2.152-2
35	100	4.334-3	4.364-3	4.497-3	4.618-3	4.773-3	5.132-3	5.642-3	5.860-3	6.094-3	6.324-3
35	101	2.195-4	1.818-4	1.489-4	1.407-4	1.341-4	1.234-4	1.097-4	1.035-4	9.650-5	7.891-5
35	102	3.477-4	3.444-4	3.352-4	3.321-4	3.298-4	3.267-4	3.239-4	3.230-4	3.219-4	3.079-4
35	103	2.668-2	2.748-2	2.871-2	2.956-2	3.057-2	3.282-2	3.603-2	3.743-2	3.892-2	4.042-2
35	104	5.460-4	5.412-4	5.318-4	5.269-4	5.210-4	5.042-4	4.642-4	4.415-4	4.136-4	3.403-4
35	105	7.046-4	7.064-4	7.056-4	7.064-4	7.074-4	7.060-4	6.885-4	6.761-4	6.595-4	5.995-4
35	106	1.137-4	1.087-4	7.611-5	6.163-5	4.850-5	2.847-5	1.350-5	1.025-5	7.824-6	4.628-6
35	107	2.683-4	2.666-4	2.597-4	2.561-4	2.520-4	2.421-4	2.216-4	2.104-4	1.970-4	1.617-4
35	108	3.788-4	3.559-4	2.441-4	1.973-4	1.553-4	9.215-5	4.540-5	3.532-5	2.783-5	1.789-5
35	109	2.937-4	2.513-4	1.591-4	1.261-4	9.771-5	5.653-5	2.694-5	2.061-5	1.592-5	9.707-6
35	110	2.498-4	2.001-4	1.231-4	9.779-5	7.658-5	4.629-5	2.448-5	1.968-5	1.600-5	1.077-5
35	111	5.585-5	4.770-5	3.028-5	2.401-5	1.861-5	1.075-5	5.060-6	3.833-6	2.916-6	1.699-6
35	112	6.945-5	5.358-5	3.070-5	2.396-5	1.853-5	1.110-5	5.935-6	4.814-6	3.956-6	2.723-6
35	113	2.028-5	1.656-5	1.104-5	9.102-6	7.415-6	4.896-6	2.949-6	2.480-6	2.097-6	1.486-6
35	114	7.946-4	7.949-4	8.248-4	8.414-4	8.587-4	8.949-4	9.551-4	9.851-4	1.019-3	1.048-3
35	115	9.118-5	6.478-5	4.183-5	3.636-5	3.216-5	2.633-5	2.123-5	1.956-5	1.790-5	1.430-5
35	116	1.306-4	1.257-4	1.247-4	1.254-4	1.265-4	1.293-4	1.349-4	1.381-4	1.418-4	1.441-4
35	117	1.020-3	1.039-3	1.084-3	1.103-3	1.122-3	1.159-3	1.217-3	1.247-3	1.280-3	1.300-3
35	118	5.559-5	5.223-5	4.800-5	4.673-5	4.560-5	4.340-5	3.957-5	3.758-5	3.520-5	2.897-5
35	119	2.264-3	2.317-3	2.430-3	2.477-3	2.523-3	2.615-3	2.770-3	2.849-3	2.937-3	3.004-3
35	120	1.993-5	2.003-5	1.389-5	1.132-5	9.076-6	5.751-6	3.245-6	2.661-6	2.194-6	1.487-6
35	121	6.521-5	6.421-5	6.291-5	6.237-5	6.174-5	5.995-5	5.549-5	5.290-5	4.970-5	4.110-5
35	122	4.612-4	4.639-4	4.731-4	4.772-4	4.814-4	4.899-4	5.049-4	5.133-4	5.229-4	5.231-4
35	123	1.684-4	1.678-4	1.706-4	1.721-4	1.737-4	1.774-4	1.849-4	1.891-4	1.941-4	1.971-4
35	124	5.338-5	5.327-5	5.291-5	5.269-5	5.240-5	5.148-5	4.916-5	4.785-5	4.625-5	4.122-5
35	125	7.565-5	7.553-5	7.496-5	7.455-5	7.398-5	7.205-5	6.684-5	6.382-5	6.012-5	5.025-5
36	37	4.810-2	4.843-2	4.243-2	3.969-2	3.699-2	3.219-2	2.731-2	2.579-2	2.437-2	2.121-2
36	38	3.901-2	3.817-2	3.411-2	3.093-2	2.742-2	2.077-2	1.412-2	1.226-2	1.067-2	8.053-3
36	39	1.101-2	1.018-2	7.291-3	6.207-3	5.385-3	4.934-3	6.396-3	7.112-3	7.754-3	8.411-3
36	40	1.073-2	9.441-3	7.004-3	6.109-3	5.418-3	4.979-3	6.043-3	6.620-3	7.172-3	7.800-3
36	41	2.568-2	2.616-2	2.332-2	2.136-2	1.919-2	1.488-2	1.009-2	8.611-3	7.279-3	4.999-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
36	42	3.071-2	3.730-2	3.606-2	3.338-2	3.027-2	2.412-2	1.758-2	1.562-2	1.389-2	1.086-2
36	43	1.338-3	1.267-3	9.136-4	7.543-4	6.044-4	3.628-4	1.699-4	1.267-4	9.453-5	5.279-5
36	44	3.269-3	2.738-3	1.991-3	1.695-3	1.406-3	9.062-4	4.758-4	3.766-4	3.025-4	2.047-4
36	45	7.834-3	7.385-3	6.061-3	5.351-3	4.575-3	3.075-3	1.633-3	1.273-3	9.913-4	5.996-4
36	46	4.927-3	4.627-3	3.450-3	3.020-3	2.709-3	2.563-3	3.153-3	3.529-3	3.981-3	4.837-3
36	47	5.102-3	4.413-3	3.034-3	2.541-3	2.130-3	1.620-3	1.468-3	1.512-3	1.596-3	1.772-3
36	48	6.186-3	5.316-3	3.599-3	2.955-3	2.382-3	1.534-3	9.720-4	8.791-4	8.302-4	7.942-4
36	49	3.361-2	2.025-2	1.024-2	7.960-3	6.273-3	4.289-3	3.461-3	3.453-3	3.550-3	3.803-3
36	50	1.680-3	1.505-3	1.174-3	1.032-3	8.925-4	6.492-4	4.257-4	3.659-4	3.148-4	2.282-4
36	51	1.474-2	1.677-2	1.546-2	1.428-2	1.295-2	1.039-2	7.740-3	6.943-3	6.206-3	4.795-3
36	52	1.595-2	1.581-2	1.441-2	1.352-2	1.254-2	1.069-2	8.941-3	8.490-3	8.119-3	7.334-3
36	53	1.138-2	1.298-2	1.195-2	1.089-2	9.665-3	7.282-3	4.940-3	4.302-3	3.753-3	2.808-3
36	54	3.688-3	4.187-3	3.993-3	3.708-3	3.359-3	2.650-3	1.946-3	1.761-3	1.609-3	1.341-3
36	55	1.607-3	1.358-3	9.395-4	7.738-4	6.209-4	3.798-4	1.941-4	1.541-4	1.250-4	8.767-5
36	56	2.243-3	2.232-3	1.820-3	1.610-3	1.423-3	1.189-3	1.142-3	1.175-3	1.227-3	1.314-3
36	57	2.266-3	2.345-3	1.782-3	1.481-3	1.195-3	7.397-4	3.810-4	2.990-4	2.357-4	1.470-4
36	58	1.140-2	1.012-2	7.864-3	6.903-3	5.958-3	4.343-3	2.972-3	2.652-3	2.406-3	2.017-3
36	59	6.227-3	6.096-3	5.350-3	4.869-3	4.343-3	3.350-3	2.383-3	2.116-3	1.884-3	1.472-3
36	60	1.918-3	1.734-3	1.262-3	1.067-3	8.906-4	6.249-4	4.488-4	4.209-4	4.072-4	3.938-4
36	61	3.421-3	3.037-3	2.570-3	2.370-3	2.169-3	1.808-3	1.457-3	1.357-3	1.269-3	1.092-3
36	62	1.851-3	1.695-3	1.323-3	1.162-3	1.018-3	8.175-4	7.236-4	7.247-4	7.391-4	7.638-4
36	63	2.882-3	2.567-3	2.162-3	2.005-3	1.853-3	1.586-3	1.315-3	1.231-3	1.149-3	9.706-4
36	64	8.789-4	8.177-4	6.399-4	5.679-4	5.061-4	4.278-4	4.037-4	4.105-4	4.231-4	4.415-4
36	65	5.391-3	4.673-3	3.350-3	2.845-3	2.402-3	1.778-3	1.420-3	1.382-3	1.378-3	1.385-3
36	66	5.588-3	5.215-3	3.460-3	2.776-3	2.180-3	1.303-3	6.666-4	5.298-4	4.281-4	2.908-4
36	67	2.430-3	2.230-3	1.696-3	1.474-3	1.278-3	1.008-3	8.716-4	8.654-4	8.756-4	8.929-4
36	68	2.154-2	1.647-2	1.089-2	9.078-3	7.509-3	5.237-3	3.755-3	3.517-3	3.394-3	3.255-3
36	69	8.172-3	7.830-3	6.408-3	5.759-3	5.131-3	4.069-3	3.082-3	2.797-3	2.537-3	2.034-3
36	70	2.151-3	2.171-3	1.681-3	1.411-3	1.143-3	7.001-4	3.453-4	2.668-4	2.087-4	1.334-4
36	71	1.017-2	9.748-3	7.524-3	6.476-3	5.464-3	3.789-3	2.385-3	2.041-3	1.763-3	1.318-3
36	72	2.685-3	2.516-3	2.244-3	2.139-3	2.038-3	1.854-3	1.627-3	1.536-3	1.440-3	1.209-3
36	73	3.320-2	3.269-2	3.316-2	3.428-2	3.615-2	4.164-2	5.040-2	5.386-2	5.740-2	6.187-2
36	74	4.899-3	4.257-3	3.047-3	2.554-3	2.098-3	1.375-3	7.956-4	6.582-4	5.483-4	3.807-4
36	75	2.432-3	2.207-3	1.716-3	1.498-3	1.289-3	9.410-4	6.374-4	5.575-4	4.888-4	3.688-4
36	76	3.503-3	3.381-3	2.743-3	2.427-3	2.115-3	1.583-3	1.109-3	9.831-4	8.740-4	6.804-4
36	77	3.757-3	3.713-3	2.871-3	2.416-3	1.968-3	1.226-3	6.231-4	4.866-4	3.832-4	2.427-4
36	78	3.581-3	3.253-3	2.418-3	2.036-3	1.671-3	1.075-3	5.933-4	4.832-4	3.989-4	2.793-4
36	79	1.952-2	1.940-2	1.970-2	2.024-2	2.113-2	2.369-2	2.781-2	2.949-2	3.122-2	3.334-2
36	80	5.666-3	4.746-3	3.203-3	2.602-3	2.060-3	1.230-3	6.024-4	4.649-4	3.618-4	2.240-4
36	81	3.148-3	2.670-3	1.731-3	1.384-3	1.083-3	6.394-4	3.159-4	2.460-4	1.939-4	1.237-4
36	82	1.036-3	9.027-4	5.960-4	4.778-4	3.737-4	2.185-4	1.048-4	8.042-5	6.241-5	3.881-5
36	83	2.890-3	2.534-3	1.637-3	1.301-3	1.010-3	5.829-4	2.765-4	2.117-4	1.642-4	1.024-4
36	84	6.585-3	5.542-3	3.546-3	2.813-3	2.178-3	1.249-3	5.801-4	4.379-4	3.331-4	1.970-4
36	85	1.400-3	1.168-3	7.205-4	5.670-4	4.371-4	2.507-4	1.178-4	8.945-5	6.840-5	4.084-5
36	86	2.377-3	2.021-3	1.256-3	9.907-4	7.656-4	4.422-4	2.115-4	1.620-4	1.252-4	7.605-5
36	87	1.656-3	1.317-3	7.674-4	5.980-4	4.595-4	2.671-4	1.332-4	1.048-4	8.355-5	5.479-5
36	88	2.049-3	1.710-3	1.323-3	1.226-3	1.153-3	1.067-3	1.015-3	1.004-3	9.937-4	9.423-4
36	89	3.730-3	3.588-3	3.475-3	3.503-3	3.578-3	3.830-3	4.280-3	4.481-3	4.696-3	4.943-3
36	90	3.644-3	3.367-3	3.061-3	3.027-3	3.042-3	3.172-3	3.457-3	3.591-3	3.737-3	3.887-3
36	91	3.269-3	3.241-3	3.322-3	3.428-3	3.577-3	3.948-3	4.494-3	4.721-3	4.960-3	5.237-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
36	92	1.747-3	1.407-3	1.031-3	9.325-4	8.543-4	7.413-4	6.320-4	5.919-4	5.488-4	4.466-4
36	93	6.944-4	5.209-4	2.930-4	2.276-4	1.749-4	1.026-4	5.222-5	4.134-5	3.311-5	2.168-5
36	94	1.287-3	1.106-3	9.154-4	8.742-4	8.504-4	8.433-4	8.890-4	9.192-4	9.548-4	9.945-4
36	95	2.392-3	1.806-3	1.202-3	1.050-3	9.311-4	7.664-4	6.248-4	5.789-4	5.321-4	4.278-4
36	96	1.998-2	2.029-2	2.140-2	2.220-2	2.319-2	2.550-2	2.881-2	3.020-2	3.166-2	3.329-2
36	97	3.165-3	2.992-3	2.929-3	2.975-3	3.055-3	3.271-3	3.607-3	3.751-3	3.905-3	4.059-3
36	98	2.303-4	1.512-4	7.842-5	6.061-5	4.688-5	2.851-5	1.539-5	1.233-5	9.894-6	6.316-6
36	99	5.455-2	5.616-2	5.943-2	6.155-2	6.413-2	6.991-2	7.823-2	8.175-2	8.549-2	8.956-2
36	100	4.586-2	4.737-2	5.025-2	5.208-2	5.428-2	5.916-2	6.610-2	6.905-2	7.219-2	7.562-2
36	101	9.831-3	1.013-2	1.069-2	1.105-2	1.148-2	1.244-2	1.378-2	1.435-2	1.496-2	1.558-2
36	102	7.121-5	6.451-5	5.428-5	5.023-5	4.641-5	3.982-5	3.262-5	3.009-5	2.753-5	2.204-5
36	103	1.885-3	1.887-3	1.883-3	1.884-3	1.883-3	1.872-3	1.809-3	1.767-3	1.712-3	1.533-3
36	104	4.561-3	4.692-3	4.903-3	5.051-3	5.231-3	5.626-3	6.190-3	6.435-3	6.700-3	6.973-3
36	105	2.605-3	2.677-3	2.787-3	2.866-3	2.962-3	3.175-3	3.482-3	3.616-3	3.761-3	3.906-3
36	106	3.372-4	3.214-4	2.244-4	1.813-4	1.424-4	8.304-5	3.896-5	2.947-5	2.245-5	1.329-5
36	107	1.380-3	1.389-3	1.415-3	1.446-3	1.487-3	1.580-3	1.723-3	1.788-3	1.861-3	1.936-3
36	108	1.744-4	1.775-4	1.269-4	1.034-4	8.190-5	4.910-5	2.430-5	1.879-5	1.461-5	8.895-6
36	109	1.411-4	1.222-4	7.755-5	6.143-5	4.760-5	2.754-5	1.312-5	1.003-5	7.728-6	4.677-6
36	110	6.090-5	5.251-5	3.318-5	2.623-5	2.026-5	1.160-5	5.378-6	4.051-6	3.070-6	1.795-6
36	111	1.061-4	8.808-5	5.439-5	4.285-5	3.304-5	1.890-5	8.822-6	6.683-6	5.103-6	3.037-6
36	112	8.690-5	6.754-5	3.853-5	2.991-5	2.296-5	1.344-5	6.908-6	5.529-6	4.502-6	3.091-6
36	113	4.523-5	3.827-5	2.629-5	2.152-5	1.721-5	1.058-5	5.493-6	4.346-6	3.464-6	2.226-6
36	114	1.054-4	8.394-5	6.364-5	5.854-5	5.451-5	4.859-5	4.237-5	3.989-5	3.714-5	3.039-5
36	115	3.032-5	2.092-5	1.130-5	8.800-6	6.850-6	4.223-6	2.356-6	1.922-6	1.573-6	1.044-6
36	116	1.089-3	1.117-3	1.175-3	1.198-3	1.221-3	1.264-3	1.332-3	1.367-3	1.406-3	1.432-3
36	117	1.758-3	1.810-3	1.918-3	1.962-3	2.006-3	2.093-3	2.238-3	2.311-3	2.394-3	2.473-3
36	118	1.770-4	1.763-4	1.763-4	1.766-4	1.768-4	1.770-4	1.758-4	1.750-4	1.738-4	1.646-4
36	119	1.394-4	1.345-4	1.289-4	1.269-4	1.250-4	1.203-4	1.103-4	1.048-4	9.823-5	8.084-5
36	120	3.944-5	3.346-5	2.096-5	1.661-5	1.291-5	7.606-6	3.795-6	2.967-6	2.340-6	1.478-6
36	121	3.885-4	3.970-4	4.111-4	4.169-4	4.227-4	4.349-4	4.569-4	4.690-4	4.829-4	4.936-4
36	122	6.795-4	6.851-4	7.041-4	7.128-4	7.219-4	7.426-4	7.842-4	8.075-4	8.347-4	8.595-4
36	123	6.975-5	6.888-5	6.742-5	6.679-5	6.606-5	6.407-5	5.928-5	5.657-5	5.322-5	4.424-5
36	124	1.621-4	1.619-4	1.617-4	1.617-4	1.617-4	1.616-4	1.613-4	1.613-4	1.612-4	1.548-4
36	125	1.706-4	1.709-4	1.714-4	1.717-4	1.722-4	1.738-4	1.783-4	1.812-4	1.844-4	1.843-4
37	38	7.219-3	7.430-3	7.238-3	6.950-3	6.594-3	5.785-3	4.647-3	4.230-3	3.833-3	3.085-3
37	39	5.313-3	4.552-3	3.080-3	2.510-3	2.000-3	1.246-3	7.499-4	6.589-4	5.960-4	5.070-4
37	40	3.777-3	3.089-3	2.117-3	1.744-3	1.404-3	8.723-4	4.561-4	3.629-4	2.928-4	1.979-4
37	41	1.084-2	1.041-2	9.035-3	8.299-3	7.515-3	5.971-3	4.193-3	3.614-3	3.079-3	2.136-3
37	42	8.441-3	8.952-3	8.465-3	8.028-3	7.538-3	6.523-3	5.182-3	4.686-3	4.204-3	3.283-3
37	43	5.952-4	5.519-4	3.971-4	3.300-4	2.670-4	1.652-4	8.233-5	6.315-5	4.843-5	2.836-5
37	44	1.005-3	8.654-4	6.930-4	6.076-4	5.145-4	3.346-4	1.640-4	1.231-4	9.206-5	5.175-5
37	45	1.435-3	1.581-3	1.454-3	1.311-3	1.142-3	8.023-4	4.590-4	3.677-4	2.931-4	1.823-4
37	46	1.378-3	1.345-3	9.909-4	8.298-4	6.849-4	4.793-4	3.702-4	3.643-4	3.727-4	4.042-4
37	47	1.111-3	9.679-4	6.511-4	5.334-4	4.266-4	2.577-4	1.232-4	9.291-5	7.021-5	4.052-5
37	48	8.036-3	6.153-3	4.125-3	3.662-3	3.423-3	3.632-3	4.827-3	5.417-3	6.068-3	7.184-3
37	49	6.017-3	4.024-3	2.350-3	1.930-3	1.619-3	1.295-3	1.287-3	1.356-3	1.452-3	1.631-3
37	50	3.370-4	3.183-4	2.547-4	2.237-4	1.921-4	1.357-4	8.182-5	6.715-5	5.476-5	3.532-5
37	51	6.955-3	7.789-3	7.278-3	6.788-3	6.235-3	5.174-3	4.164-3	3.906-3	3.694-3	3.282-3
37	52	1.068-3	1.033-3	8.882-4	8.132-4	7.338-4	5.827-4	4.229-4	3.739-4	3.290-4	2.462-4
37	53	8.738-3	9.995-3	1.008-2	9.581-3	8.898-3	7.378-3	5.682-3	5.174-3	4.712-3	3.823-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
37	54	6.464-3	7.601-3	7.704-3	7.292-3	6.710-3	5.383-3	3.880-3	3.426-3	3.016-3	2.262-3
37	55	8.901-4	9.788-4	7.922-4	6.844-4	5.851-4	4.451-4	3.759-4	3.740-4	3.810-4	3.968-4
37	56	1.084-3	1.086-3	8.256-4	6.893-4	5.580-4	3.468-4	1.840-4	1.495-4	1.248-4	9.372-5
37	57	2.548-3	2.712-3	2.171-3	1.834-3	1.499-3	9.456-4	5.016-4	4.023-4	3.276-4	2.260-4
37	58	1.468-3	1.280-3	9.749-4	8.423-4	7.087-4	4.727-4	2.627-4	2.116-4	1.714-4	1.137-4
37	59	2.986-3	2.571-3	1.989-3	1.736-3	1.484-3	1.039-3	6.365-4	5.334-4	4.485-4	3.149-4
37	60	3.370-4	3.021-4	2.201-4	1.845-4	1.499-4	9.162-5	4.291-5	3.180-5	2.347-5	1.268-5
37	61	9.369-4	7.880-4	6.343-4	5.779-4	5.220-4	4.182-4	3.035-4	2.660-4	2.306-4	1.656-4
37	62	9.987-4	9.204-4	7.215-4	6.451-4	5.812-4	5.079-4	5.043-4	5.210-4	5.442-4	5.791-4
37	63	8.791-4	7.798-4	6.117-4	5.400-4	4.677-4	3.371-4	2.128-4	1.794-4	1.512-4	1.055-4
37	64	3.719-4	3.139-4	2.192-4	1.855-4	1.558-4	1.125-4	8.514-5	8.116-5	7.948-5	7.786-5
37	65	9.229-4	7.520-4	5.227-4	4.324-4	3.469-4	2.074-4	9.570-5	7.103-5	5.283-5	2.972-5
37	66	3.394-3	2.763-3	1.813-3	1.503-3	1.238-3	8.516-4	5.686-4	5.071-4	4.607-4	3.878-4
37	67	6.852-4	6.834-4	5.539-4	4.852-4	4.214-4	3.288-4	2.762-4	2.715-4	2.722-4	2.738-4
37	68	1.413-3	1.233-3	9.054-4	7.583-4	6.140-4	3.715-4	1.734-4	1.292-4	9.642-5	5.448-5
37	69	3.996-3	3.950-3	3.823-3	3.757-3	3.684-3	3.523-3	3.253-3	3.125-3	2.980-3	2.593-3
37	70	1.006-3	1.073-3	8.966-4	7.729-4	6.464-4	4.338-4	2.668-4	2.321-4	2.081-4	1.766-4
37	71	3.578-3	3.661-3	3.054-3	2.678-3	2.289-3	1.604-3	9.957-4	8.417-4	7.146-4	5.108-4
37	72	2.239-4	2.149-4	1.731-4	1.508-4	1.284-4	8.995-5	5.616-5	4.750-5	4.025-5	2.845-5
37	73	1.617-2	1.615-2	1.638-2	1.679-2	1.747-2	1.951-2	2.290-2	2.428-2	2.571-2	2.747-2
37	74	3.964-3	3.553-3	2.702-3	2.283-3	1.867-3	1.166-3	5.877-4	4.553-4	3.543-4	2.167-4
37	75	2.813-3	2.492-3	1.892-3	1.606-3	1.321-3	8.351-4	4.269-4	3.321-4	2.592-4	1.588-4
37	76	8.199-4	7.041-4	5.350-4	4.673-4	4.037-4	3.002-4	2.132-4	1.916-4	1.738-4	1.431-4
37	77	1.465-3	1.455-3	1.132-3	9.557-4	7.805-4	4.873-4	2.483-4	1.944-4	1.538-4	9.903-5
37	78	1.215-3	1.179-3	9.155-4	7.741-4	6.332-4	3.956-4	2.002-4	1.558-4	1.222-4	7.689-5
37	79	8.446-4	7.519-4	5.957-4	5.289-4	4.654-4	3.612-4	2.695-4	2.447-4	2.230-4	1.823-4
37	80	1.361-3	1.263-3	9.123-4	7.521-4	6.022-4	3.661-4	1.839-4	1.437-4	1.137-4	7.352-5
37	81	5.430-4	4.663-4	3.040-4	2.438-4	1.912-4	1.134-4	5.634-5	4.398-5	3.474-5	2.235-5
37	82	4.408-4	3.873-4	2.583-4	2.070-4	1.613-4	9.265-5	4.210-5	3.132-5	2.341-5	1.331-5
37	83	7.162-4	6.540-4	4.509-4	3.662-4	2.899-4	1.743-4	8.774-5	6.882-5	5.460-5	3.528-5
37	84	3.760-3	3.499-3	2.368-3	1.904-3	1.495-3	8.855-4	4.396-4	3.432-4	2.710-4	1.734-4
37	85	5.268-4	4.490-4	2.803-4	2.214-4	1.713-4	9.924-5	4.762-5	3.657-5	2.838-5	1.758-5
37	86	9.069-4	8.057-4	5.159-4	4.090-4	3.168-4	1.826-4	8.581-5	6.506-5	4.963-5	2.932-5
37	87	5.216-4	4.073-4	2.357-4	1.830-4	1.398-4	7.941-5	3.711-5	2.812-5	2.145-5	1.268-5
37	88	7.801-3	7.834-3	8.178-3	8.473-3	8.864-3	9.805-3	1.118-2	1.175-2	1.234-2	1.302-2
37	89	2.752-4	2.395-4	1.670-4	1.377-4	1.105-4	6.695-5	3.266-5	2.502-5	1.930-5	1.168-5
37	90	6.777-4	5.494-4	3.677-4	3.141-4	2.702-4	2.077-4	1.569-4	1.424-4	1.287-4	1.010-4
37	91	1.445-3	1.430-3	1.400-3	1.416-3	1.453-3	1.563-3	1.746-3	1.826-3	1.910-3	2.004-3
37	92	1.576-4	1.145-4	6.199-5	4.767-5	3.640-5	2.123-5	1.091-5	8.735-6	7.117-6	4.924-6
37	93	3.037-4	2.330-4	1.313-4	1.015-4	7.737-5	4.412-5	2.090-5	1.589-5	1.211-5	7.036-6
37	94	2.056-4	1.676-4	1.062-4	8.513-5	6.674-5	3.907-5	1.833-5	1.381-5	1.045-5	6.038-6
37	95	2.963-4	2.070-4	1.084-4	8.293-5	6.311-5	3.664-5	1.841-5	1.441-5	1.133-5	7.031-6
37	96	5.336-4	4.578-4	3.748-4	3.522-4	3.336-4	3.041-4	2.687-4	2.535-4	2.362-4	1.932-4
37	97	2.027-3	1.943-3	1.918-3	1.953-3	2.010-3	2.165-3	2.411-3	2.517-3	2.631-3	2.756-3
37	98	9.330-5	5.992-5	3.024-5	2.320-5	1.784-5	1.073-5	5.653-6	4.466-6	3.525-6	2.166-6
37	99	1.411-3	1.241-3	1.109-3	1.077-3	1.049-3	9.965-4	9.065-4	8.601-4	8.045-4	6.608-4
37	100	3.172-2	3.273-2	3.466-2	3.590-2	3.739-2	4.070-2	4.545-2	4.746-2	4.961-2	5.193-2
37	101	3.116-2	3.225-2	3.419-2	3.543-2	3.693-2	4.024-2	4.495-2	4.696-2	4.913-2	5.153-2
37	102	1.622-5	1.471-5	1.140-5	1.000-5	8.678-6	6.435-6	4.225-6	3.562-6	2.972-6	1.989-6
37	103	6.797-4	6.772-4	6.686-4	6.633-4	6.565-4	6.363-4	5.860-4	5.572-4	5.221-4	4.294-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
37	104	3.924-3	4.052-3	4.246-3	4.379-3	4.541-3	4.898-3	5.414-3	5.640-3	5.885-3	6.146-3
37	105	3.453-4	3.544-4	3.647-4	3.724-4	3.819-4	4.041-4	4.378-4	4.529-4	4.692-4	4.838-4
37	106	2.080-4	1.934-4	1.336-4	1.086-4	8.601-5	5.181-5	2.622-5	2.060-5	1.636-5	1.054-5
37	107	5.363-5	5.161-5	4.342-5	4.087-5	3.895-5	3.681-5	3.673-5	3.741-5	3.838-5	3.927-5
37	108	7.027-5	6.525-5	4.364-5	3.507-5	2.755-5	1.639-5	8.105-6	6.269-6	4.874-6	2.967-6
37	109	5.502-5	4.649-5	2.916-5	2.312-5	1.797-5	1.054-5	5.201-6	4.052-6	3.192-6	2.033-6
37	110	1.849-5	1.658-5	1.076-5	8.563-6	6.660-6	3.871-6	1.851-6	1.417-6	1.096-6	6.735-7
37	111	5.110-5	4.395-5	2.767-5	2.183-5	1.682-5	9.538-6	4.323-6	3.219-6	2.407-6	1.359-6
37	112	3.122-5	2.420-5	1.357-5	1.046-5	7.968-6	4.573-6	2.231-6	1.728-6	1.348-6	8.331-7
37	113	4.243-5	3.603-5	2.445-5	1.989-5	1.580-5	9.589-6	4.892-6	3.841-6	3.037-6	1.914-6
37	114	9.373-6	6.487-6	3.438-6	2.647-6	2.032-6	1.209-6	6.375-7	5.100-7	4.106-7	2.667-7
37	115	5.393-6	3.755-6	1.982-6	1.524-6	1.169-6	6.938-7	3.574-7	2.804-7	2.198-7	1.335-7
37	116	8.576-4	8.816-4	9.295-4	9.489-4	9.677-4	1.005-3	1.065-3	1.095-3	1.129-3	1.156-3
37	117	1.797-4	1.742-4	1.665-4	1.639-4	1.613-4	1.553-4	1.428-4	1.359-4	1.275-4	1.052-4
37	118	4.418-4	4.568-4	4.853-4	4.968-4	5.083-4	5.310-4	5.680-4	5.870-4	6.087-4	6.303-4
37	119	1.003-5	7.972-6	5.612-6	4.921-6	4.340-6	3.430-6	2.496-6	2.181-6	1.880-6	1.324-6
37	120	1.137-5	9.922-6	6.523-6	5.261-6	4.170-6	2.573-6	1.396-6	1.133-6	9.305-7	6.379-7
37	121	6.325-4	6.493-4	6.767-4	6.878-4	6.991-4	7.228-4	7.664-4	7.902-4	8.177-4	8.437-4
37	122	1.102-4	1.108-4	1.135-4	1.148-4	1.161-4	1.193-4	1.258-4	1.293-4	1.335-4	1.369-4
37	123	3.985-5	3.953-5	3.889-5	3.857-5	3.818-5	3.703-5	3.417-5	3.254-5	3.054-5	2.519-5
37	124	1.588-4	1.592-4	1.597-4	1.600-4	1.603-4	1.611-4	1.632-4	1.644-4	1.657-4	1.621-4
37	125	1.570-6	1.566-6	1.547-6	1.535-6	1.518-6	1.465-6	1.335-6	1.264-6	1.178-6	9.613-7
38	39	3.880-3	3.478-3	2.457-3	2.033-3	1.640-3	1.009-3	5.042-4	3.890-4	3.015-4	1.833-4
38	40	1.305-2	1.276-2	9.492-3	8.051-3	6.802-3	5.272-3	4.997-3	5.141-3	5.310-3	5.426-3
38	41	2.674-2	3.026-2	2.794-2	2.565-2	2.316-2	1.835-2	1.295-2	1.118-2	9.531-3	6.602-3
38	42	9.983-2	1.065-1	9.362-2	8.463-2	7.501-2	5.709-2	3.946-2	3.460-2	3.050-2	2.376-2
38	43	3.355-2	2.883-2	1.907-2	1.579-2	1.320-2	1.041-2	1.039-2	1.092-2	1.155-2	1.232-2
38	44	6.988-4	6.367-4	4.869-4	4.126-4	3.374-4	2.068-4	9.597-5	7.075-5	5.196-5	2.793-5
38	45	1.155-2	9.507-3	7.040-3	5.997-3	4.969-3	3.210-3	1.690-3	1.322-3	1.032-3	6.237-4
38	46	5.063-3	4.774-3	3.385-3	2.785-3	2.236-3	1.382-3	7.306-4	5.902-4	4.877-4	3.536-4
38	47	2.272-2	1.719-2	1.001-2	7.962-3	6.327-3	4.198-3	3.041-3	2.912-3	2.894-3	2.974-3
38	48	3.167-3	2.640-3	1.865-3	1.553-3	1.256-3	7.678-4	3.703-4	2.798-4	2.113-4	1.205-4
38	49	8.007-3	6.130-3	4.126-3	3.402-3	2.738-3	1.683-3	8.480-4	6.597-4	5.175-4	3.265-4
38	50	9.724-2	1.066-1	1.013-1	9.383-2	8.468-2	6.603-2	4.709-2	4.187-2	3.737-2	2.947-2
38	51	3.531-3	3.233-3	2.690-3	2.423-3	2.142-3	1.619-3	1.090-3	9.370-4	8.033-4	5.762-4
38	52	4.218-2	3.800-2	3.097-2	2.748-2	2.378-2	1.694-2	1.064-2	9.074-3	7.822-3	5.899-3
38	53	2.310-3	2.159-3	1.887-3	1.770-3	1.656-3	1.458-3	1.268-3	1.215-3	1.166-3	1.055-3
38	54	6.113-4	4.928-4	3.800-4	3.428-4	3.077-4	2.452-4	1.770-4	1.545-4	1.333-4	9.442-5
38	55	9.948-4	8.234-4	5.616-4	4.604-4	3.670-4	2.186-4	1.021-4	7.633-5	5.725-5	3.270-5
38	56	1.961-3	1.643-3	1.145-3	9.467-4	7.611-4	4.630-4	2.240-4	1.696-4	1.282-4	7.285-5
38	57	2.264-3	2.168-3	1.601-3	1.330-3	1.074-3	6.672-4	3.448-4	2.712-4	2.150-4	1.380-4
38	58	1.703-2	1.720-2	1.565-2	1.469-2	1.365-2	1.172-2	9.874-3	9.371-3	8.934-3	7.979-3
38	59	4.131-3	3.972-3	3.304-3	2.978-3	2.650-3	2.068-3	1.521-3	1.371-3	1.243-3	1.013-3
38	60	5.802-3	5.229-3	3.701-3	3.066-3	2.474-3	1.530-3	7.983-4	6.423-4	5.305-4	3.894-4
38	61	3.645-2	2.896-2	2.129-2	1.857-2	1.598-2	1.158-2	7.681-3	6.683-3	5.856-3	4.490-3
38	62	3.015-3	2.601-3	1.905-3	1.600-3	1.302-3	7.965-4	3.753-4	2.793-4	2.072-4	1.134-4
38	63	8.144-4	8.224-4	7.710-4	7.262-4	6.732-4	5.621-4	4.270-4	3.802-4	3.347-4	2.472-4
38	64	8.638-4	7.803-4	5.313-4	4.323-4	3.435-4	2.078-4	1.036-4	7.994-5	6.183-5	3.695-5
38	65	2.337-3	2.181-3	1.626-3	1.356-3	1.093-3	6.547-4	3.009-4	2.221-4	1.637-4	8.890-5
38	66	6.839-3	6.979-3	4.936-3	4.041-3	3.247-3	2.066-3	1.181-3	9.792-4	8.216-4	5.880-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
38	67	1.832-3	1.615-3	1.167-3	9.693-4	7.811-4	4.753-4	2.295-4	1.735-4	1.310-4	7.426-5
38	68	3.013-2	2.897-2	2.292-2	2.030-2	1.803-2	1.506-2	1.394-2	1.409-2	1.446-2	1.501-2
38	69	4.437-3	4.035-3	2.966-3	2.489-3	2.032-3	1.286-3	6.762-4	5.338-4	4.234-4	2.679-4
38	70	3.544-3	3.089-3	2.175-3	1.790-3	1.429-3	8.489-4	3.919-4	2.904-4	2.148-4	1.169-4
38	71	2.187-3	2.080-3	1.631-3	1.432-3	1.245-3	9.417-4	6.774-4	6.058-4	5.428-4	4.272-4
38	72	3.131-2	3.237-2	2.668-2	2.336-2	2.001-2	1.427-2	9.303-3	8.060-3	7.034-3	5.342-3
38	73	2.097-3	1.608-3	1.032-3	8.423-4	6.758-4	4.230-4	2.272-4	1.820-4	1.466-4	9.564-5
38	74	5.942-4	5.559-4	4.064-4	3.393-4	2.766-4	1.773-4	9.866-5	8.037-5	6.596-5	4.460-5
38	75	6.770-4	6.347-4	4.541-4	3.778-4	3.081-4	1.999-4	1.147-4	9.459-5	7.845-5	5.377-5
38	76	1.041-2	1.055-2	9.289-3	8.562-3	7.822-3	6.511-3	5.241-3	4.861-3	4.506-3	3.765-3
38	77	5.231-3	4.705-3	3.941-3	3.677-3	3.441-3	3.061-3	2.678-3	2.548-3	2.414-3	2.090-3
38	78	5.229-3	4.633-3	3.858-3	3.594-3	3.360-3	2.984-3	2.608-3	2.479-3	2.347-3	2.027-3
38	79	1.600-1	1.583-1	1.627-1	1.695-1	1.799-1	2.089-1	2.526-1	2.698-1	2.874-1	3.098-1
38	80	5.937-3	5.329-3	3.643-3	2.944-3	2.311-3	1.343-3	6.196-4	4.640-4	3.495-4	2.026-4
38	81	4.794-3	4.126-3	2.624-3	2.078-3	1.608-3	9.227-4	4.292-4	3.235-4	2.450-4	1.423-4
38	82	6.151-4	5.463-4	3.535-4	2.815-4	2.192-4	1.284-4	6.247-5	4.814-5	3.735-5	2.274-5
38	83	4.570-3	3.733-3	2.277-3	1.799-3	1.399-3	8.331-4	4.326-4	3.465-4	2.816-4	1.915-4
38	84	2.053-3	1.686-3	1.032-3	8.105-4	6.232-4	3.548-4	1.636-4	1.228-4	9.261-5	5.314-5
38	85	1.604-2	1.437-2	9.237-3	7.333-3	5.697-3	3.324-3	1.616-3	1.248-3	9.722-4	6.018-4
38	86	1.306-3	1.043-3	6.208-4	4.853-4	3.725-4	2.129-4	9.943-5	7.496-5	5.663-5	3.234-5
38	87	4.565-3	4.217-3	2.755-3	2.198-3	1.719-3	1.024-3	5.255-4	4.177-4	3.367-4	2.249-4
38	88	6.110-4	4.241-4	2.262-4	1.739-4	1.329-4	7.758-5	3.940-5	3.105-5	2.464-5	1.562-5
38	89	1.202-3	1.253-3	1.039-3	9.115-4	7.881-4	5.921-4	4.525-4	4.288-4	4.160-4	3.978-4
38	90	2.453-3	1.828-3	1.110-3	9.215-4	7.790-4	6.050-4	5.180-4	5.115-4	5.142-4	5.166-4
38	91	1.248-4	8.605-5	4.539-5	3.483-5	2.659-5	1.556-5	7.952-6	6.284-6	5.004-6	3.210-6
38	92	5.091-2	5.087-2	5.310-2	5.506-2	5.765-2	6.380-2	7.266-2	7.630-2	8.012-2	8.448-2
38	93	4.062-4	3.049-4	1.721-4	1.343-4	1.041-4	6.266-5	3.322-5	2.650-5	2.119-5	1.342-5
38	94	5.408-4	4.499-4	3.114-4	2.611-4	2.160-4	1.462-4	9.032-5	7.665-5	6.538-5	4.706-5
38	95	1.843-2	1.666-2	1.570-2	1.585-2	1.625-2	1.749-2	1.955-2	2.046-2	2.142-2	2.251-2
38	96	4.721-2	4.798-2	5.067-2	5.259-2	5.499-2	6.049-2	6.813-2	7.128-2	7.462-2	7.832-2
38	97	1.654-3	1.503-3	1.321-3	1.266-3	1.217-3	1.133-3	1.013-3	9.578-4	8.931-4	7.301-4
38	98	1.356-1	1.389-1	1.463-1	1.513-1	1.577-1	1.726-1	1.944-1	2.034-1	2.130-1	2.233-1
38	99	1.116-2	1.114-2	1.140-2	1.171-2	1.212-2	1.309-2	1.450-2	1.510-2	1.575-2	1.643-2
38	100	2.412-4	1.616-4	8.985-5	7.280-5	5.977-5	4.236-5	2.936-5	2.596-5	2.296-5	1.747-5
38	101	6.542-5	4.077-5	2.209-5	1.789-5	1.468-5	1.032-5	6.845-6	5.885-6	5.036-6	3.572-6
38	102	5.573-2	5.752-2	6.022-2	6.208-2	6.435-2	6.938-2	7.659-2	7.969-2	8.302-2	8.643-2
38	103	4.811-4	4.803-4	4.644-4	4.627-4	4.647-4	4.762-4	5.017-4	5.151-4	5.304-4	5.424-4
38	104	1.691-5	1.692-5	1.444-5	1.286-5	1.120-5	8.170-6	5.228-6	4.393-6	3.664-6	2.461-6
38	105	1.485-3	1.483-3	1.465-3	1.454-3	1.439-3	1.395-3	1.285-3	1.221-3	1.144-3	9.407-4
38	106	8.856-5	7.491-5	5.009-5	4.044-5	3.177-5	1.854-5	8.560-6	6.377-6	4.748-6	2.628-6
38	107	4.521-5	3.663-5	2.525-5	2.081-5	1.668-5	1.011-5	4.885-6	3.698-6	2.796-6	1.588-6
38	108	1.715-4	1.477-4	9.676-5	7.765-5	6.084-5	3.571-5	1.694-5	1.279-5	9.668-6	5.509-6
38	109	3.221-4	2.809-4	1.809-4	1.445-4	1.131-4	6.714-5	3.358-5	2.625-5	2.070-5	1.310-5
38	110	9.583-4	7.531-4	4.482-4	3.511-4	2.705-4	1.571-4	7.695-5	5.972-5	4.676-5	2.911-5
38	111	2.333-5	2.068-5	1.357-5	1.087-5	8.523-6	5.043-6	2.465-6	1.893-6	1.457-6	8.643-7
38	112	8.423-5	6.972-5	4.234-5	3.348-5	2.614-5	1.579-5	8.333-6	6.652-6	5.340-6	3.441-6
38	113	2.018-5	1.631-5	1.069-5	8.660-6	6.880-6	4.211-6	2.183-6	1.719-6	1.358-6	8.453-7
38	114	2.715-3	2.752-3	2.881-3	2.940-3	2.998-3	3.111-3	3.280-3	3.362-3	3.452-3	3.504-3
38	115	5.872-3	5.982-3	6.318-3	6.475-3	6.630-3	6.934-3	7.396-3	7.617-3	7.860-3	8.047-3
38	116	1.316-5	1.081-5	7.680-6	6.776-6	6.041-6	4.970-6	4.001-6	3.683-6	3.364-6	2.672-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
38	117	1.431-4	1.445-4	1.484-4	1.504-4	1.525-4	1.568-4	1.638-4	1.675-4	1.718-4	1.743-4
38	118	7.300-6	5.979-6	4.096-6	3.545-6	3.095-6	2.432-6	1.824-6	1.630-6	1.445-6	1.088-6
38	119	6.511-5	6.293-5	5.996-5	5.936-5	5.902-5	5.903-5	6.052-5	6.167-5	6.309-5	6.386-5
38	120	8.567-5	8.850-5	6.187-5	5.017-5	3.982-5	2.448-5	1.313-5	1.059-5	8.622-6	5.775-6
38	121	1.028-5	7.443-6	4.379-6	3.579-6	2.952-6	2.085-6	1.394-6	1.201-6	1.028-6	7.233-7
38	122	5.079-5	4.822-5	4.562-5	4.480-5	4.401-5	4.224-5	3.864-5	3.669-5	3.434-5	2.820-5
38	123	7.197-4	7.149-4	7.227-4	7.277-4	7.330-4	7.443-4	7.639-4	7.749-4	7.874-4	7.837-4
38	124	2.337-5	2.301-5	2.258-5	2.238-5	2.213-5	2.140-5	1.960-5	1.858-5	1.734-5	1.414-5
38	125	4.767-4	4.775-4	4.791-4	4.798-4	4.805-4	4.814-4	4.818-4	4.823-4	4.826-4	4.651-4
39	40	9.337-2	8.625-2	6.455-2	5.539-2	4.686-2	3.300-2	2.111-2	1.806-2	1.553-2	1.146-2
39	41	6.399-3	6.080-3	4.592-3	4.024-3	3.651-3	4.005-3	6.466-3	7.345-3	7.977-3	8.313-3
39	42	4.507-3	3.952-3	2.740-3	2.252-3	1.802-3	1.094-3	5.491-4	4.308-4	3.433-4	2.279-4
39	43	8.021-2	7.606-2	6.797-2	6.530-2	6.332-2	6.164-2	6.219-2	6.278-2	6.362-2	6.403-2
39	44	9.505-3	7.926-3	5.374-3	4.450-3	3.651-3	2.580-3	2.116-3	2.103-3	2.127-3	2.143-3
39	45	1.656-2	1.416-2	9.611-3	7.902-3	6.383-3	4.168-3	2.780-3	2.558-3	2.427-3	2.249-3
39	46	7.460-2	7.176-2	5.278-2	4.496-2	3.804-2	2.774-2	2.010-2	1.839-2	1.709-2	1.502-2
39	47	7.452-2	6.361-2	4.946-2	4.548-2	4.241-2	3.866-2	3.652-2	3.608-2	3.574-2	3.426-2
39	48	1.520-2	1.276-2	8.454-3	7.043-3	5.854-3	4.129-3	2.819-3	2.505-3	2.251-3	1.833-3
39	49	1.391-2	1.126-2	7.475-3	6.270-3	5.254-3	3.775-3	2.643-3	2.369-3	2.146-3	1.771-3
39	50	1.184-2	1.064-2	9.325-3	8.941-3	8.614-3	8.110-3	7.689-3	7.602-3	7.548-3	7.282-3
39	51	1.750-1	1.743-1	1.793-1	1.899-1	2.109-1	2.859-1	4.214-1	4.756-1	5.313-1	6.181-1
39	52	1.071-2	9.173-3	7.737-3	7.287-3	6.869-3	6.099-3	5.091-3	4.701-3	4.311-3	3.505-3
39	53	1.491-1	1.495-1	1.547-1	1.641-1	1.825-1	2.473-1	3.628-1	4.087-1	4.557-1	5.284-1
39	54	9.964-2	1.001-1	1.037-1	1.102-1	1.226-1	1.660-1	2.430-1	2.735-1	3.048-1	3.530-1
39	55	4.384-2	3.319-2	2.311-2	1.970-2	1.641-2	1.069-2	5.616-3	4.400-3	3.462-3	2.166-3
39	56	6.525-2	4.746-2	3.199-2	2.730-2	2.307-2	1.617-2	1.019-2	8.653-3	7.370-3	5.275-3
39	57	1.559-3	1.525-3	1.189-3	1.015-3	8.496-4	5.880-4	3.922-4	3.510-4	3.213-4	2.771-4
39	58	1.710-2	1.681-2	1.678-2	1.731-2	1.845-2	2.260-2	2.991-2	3.277-2	3.568-2	3.988-2
39	59	1.615-2	1.611-2	1.618-2	1.680-2	1.808-2	2.261-2	3.043-2	3.347-2	3.654-2	4.096-2
39	60	5.712-3	4.903-3	3.736-3	3.278-3	2.845-3	2.136-3	1.551-3	1.414-3	1.307-3	1.125-3
39	61	6.815-3	6.584-3	6.143-3	5.958-3	5.769-3	5.378-3	4.802-3	4.574-3	4.347-3	3.825-3
39	62	5.627-3	5.207-3	3.713-3	3.071-3	2.474-3	1.523-3	7.718-4	6.031-4	4.755-4	3.026-4
39	63	7.550-3	6.952-3	6.477-3	6.568-3	6.895-3	8.175-3	1.039-2	1.124-2	1.210-2	1.326-2
39	64	5.831-3	4.889-3	3.280-3	2.681-3	2.141-3	1.305-3	6.535-4	5.053-4	3.917-4	2.355-4
39	65	1.247-2	1.033-2	6.393-3	5.057-3	3.923-3	2.288-3	1.116-3	8.644-4	6.771-4	4.271-4
39	66	1.175-3	1.058-3	8.279-4	7.603-4	7.205-4	7.250-4	8.370-4	8.948-4	9.578-4	1.048-3
39	67	5.967-3	5.077-3	3.426-3	2.800-3	2.231-3	1.338-3	6.425-4	4.878-4	3.718-4	2.188-4
39	68	7.866-3	6.399-3	4.063-3	3.249-3	2.546-3	1.513-3	7.598-4	5.974-4	4.762-4	3.131-4
39	69	1.712-3	1.336-3	1.003-3	9.253-4	8.727-4	8.356-4	8.829-4	9.193-4	9.625-4	1.019-3
39	70	4.134-3	3.688-3	2.529-3	2.071-3	1.659-3	1.030-3	5.525-4	4.474-4	3.682-4	2.585-4
39	71	7.138-3	6.870-3	6.846-3	7.105-3	7.578-3	9.039-3	1.138-2	1.229-2	1.321-2	1.444-2
39	72	1.001-3	7.308-4	4.541-4	3.757-4	3.098-4	2.126-4	1.374-4	1.200-4	1.065-4	8.580-5
39	73	2.375-4	1.833-4	1.114-4	8.878-5	6.955-5	4.144-5	2.073-5	1.617-5	1.271-5	7.950-6
39	74	2.869-2	2.837-2	2.920-2	3.054-2	3.267-2	3.873-2	4.805-2	5.167-2	5.535-2	6.017-2
39	75	2.466-2	2.405-2	2.446-2	2.549-2	2.717-2	3.199-2	3.946-2	4.238-2	4.535-2	4.922-2
39	76	1.952-3	1.794-3	1.696-3	1.711-3	1.769-3	1.991-3	2.387-3	2.548-3	2.713-3	2.924-3
39	77	1.882-2	1.886-2	1.951-2	2.030-2	2.153-2	2.498-2	3.033-2	3.244-2	3.459-2	3.733-2
39	78	2.572-2	2.581-2	2.698-2	2.830-2	3.030-2	3.575-2	4.402-2	4.724-2	5.051-2	5.472-2
39	79	8.874-5	7.194-5	4.567-5	3.657-5	2.864-5	1.681-5	8.020-6	6.103-6	4.670-6	2.776-6
39	80	8.082-3	7.755-3	7.552-3	7.672-3	7.948-3	8.864-3	1.043-2	1.108-2	1.175-2	1.259-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
39	81	3.622-3	3.473-3	3.482-3	3.615-3	3.834-3	4.453-3	5.410-3	5.790-3	6.178-3	6.672-3
39	82	8.000-4	6.938-4	5.721-4	5.457-4	5.334-4	5.427-4	5.946-4	6.217-4	6.518-4	6.886-4
39	83	6.336-3	6.307-3	6.424-3	6.610-3	6.896-3	7.669-3	8.846-3	9.322-3	9.814-3	1.038-2
39	84	3.028-2	2.988-2	3.087-2	3.209-2	3.383-2	3.831-2	4.489-2	4.752-2	5.023-2	5.350-2
39	85	2.927-4	2.661-4	1.877-4	1.581-4	1.321-4	9.294-5	6.163-5	5.363-5	4.681-5	3.514-5
39	86	1.565-3	1.539-3	1.540-3	1.578-3	1.640-3	1.812-3	2.082-3	2.195-3	2.314-3	2.456-3
39	87	7.842-4	6.824-4	5.704-4	5.468-4	5.356-4	5.418-4	5.836-4	6.060-4	6.309-4	6.578-4
39	88	2.393-4	2.243-4	1.761-4	1.584-4	1.435-4	1.213-4	9.961-5	9.198-5	8.428-5	6.790-5
39	89	4.100-3	3.759-3	2.480-3	1.983-3	1.551-3	9.181-4	4.598-4	3.607-4	2.865-4	1.860-4
39	90	2.113-4	2.071-4	1.695-4	1.550-4	1.427-4	1.247-4	1.070-4	1.008-4	9.457-5	8.040-5
39	91	9.212-5	9.036-5	8.014-5	7.702-5	7.483-5	7.170-5	6.505-5	6.125-5	5.685-5	4.632-5
39	92	1.405-4	1.258-4	9.478-5	8.454-5	7.608-5	6.403-5	5.438-5	5.174-5	4.933-5	4.376-5
39	93	6.204-4	6.346-4	6.618-4	6.854-4	7.180-4	7.990-4	9.177-4	9.670-4	1.019-3	1.082-3
39	94	3.319-3	2.959-3	1.892-3	1.505-3	1.176-3	7.019-4	3.630-4	2.899-4	2.350-4	1.592-4
39	95	2.550-4	2.285-4	1.791-4	1.643-4	1.527-4	1.375-4	1.281-4	1.264-4	1.252-4	1.195-4
39	96	2.682-4	2.261-4	1.508-4	1.278-4	1.092-4	8.383-5	6.715-5	6.394-5	6.169-5	5.704-5
39	97	4.523-4	3.808-4	2.386-4	1.932-4	1.558-4	1.034-4	6.484-5	5.563-5	4.807-5	3.573-5
39	98	8.455-5	6.554-5	4.254-5	3.621-5	3.109-5	2.361-5	1.694-5	1.491-5	1.303-5	9.605-6
39	99	1.837-4	1.451-4	9.311-5	7.871-5	6.731-5	5.147-5	3.856-5	3.490-5	3.159-5	2.534-5
39	100	2.708-4	2.458-4	2.107-4	2.013-4	1.939-4	1.828-4	1.686-4	1.624-4	1.555-4	1.364-4
39	101	4.180-5	3.203-5	2.234-5	1.986-5	1.790-5	1.506-5	1.216-5	1.111-5	1.004-5	7.803-6
39	102	9.433-5	7.428-5	5.652-5	5.215-5	4.873-5	4.401-5	4.023-5	3.920-5	3.824-5	3.534-5
39	103	4.939-5	4.173-5	3.364-5	3.135-5	2.944-5	2.649-5	2.348-5	2.244-5	2.140-5	1.885-5
39	104	1.285-4	1.083-4	7.641-5	6.504-5	5.518-5	4.064-5	2.970-5	2.716-5	2.511-5	2.141-5
39	105	7.482-5	6.931-5	6.341-5	6.186-5	6.067-5	5.904-5	5.760-5	5.712-5	5.657-5	5.343-5
39	106	7.532-2	7.710-2	8.002-2	8.237-2	8.521-2	9.148-2	1.005-1	1.045-1	1.088-1	1.132-1
39	107	1.434-4	1.407-4	1.018-4	8.610-5	7.251-5	5.258-5	3.779-5	3.439-5	3.165-5	2.675-5
39	108	7.361-3	7.256-3	7.095-3	7.138-3	7.228-3	7.481-3	7.903-3	8.097-3	8.303-3	8.400-3
39	109	1.083-3	1.003-3	9.471-4	9.468-4	9.544-4	9.835-4	1.043-3	1.074-3	1.108-3	1.135-3
39	110	1.202-4	9.469-5	6.576-5	5.775-5	5.127-5	4.173-5	3.262-5	2.961-5	2.668-5	2.079-5
39	111	4.380-4	4.116-4	3.939-4	3.952-4	3.994-4	4.118-4	4.312-4	4.400-4	4.493-4	4.513-4
39	112	1.808-4	1.783-4	1.739-4	1.729-4	1.724-4	1.727-4	1.760-4	1.786-4	1.817-4	1.819-4
39	113	8.558-4	8.536-4	8.449-4	8.391-4	8.314-4	8.072-4	7.443-4	7.079-4	6.631-4	5.449-4
39	114	4.496-5	4.164-5	3.808-5	3.707-5	3.618-5	3.459-5	3.234-5	3.139-5	3.036-5	2.734-5
39	115	2.370-5	2.035-5	1.703-5	1.609-5	1.526-5	1.371-5	1.140-5	1.039-5	9.328-6	7.097-6
39	116	1.625-4	1.648-4	1.689-4	1.700-4	1.706-4	1.694-4	1.618-4	1.572-4	1.516-4	1.346-4
39	117	1.015-4	1.046-4	1.100-4	1.116-4	1.126-4	1.124-4	1.073-4	1.041-4	1.004-4	8.939-5
39	118	2.817-5	2.806-5	2.803-5	2.802-5	2.798-5	2.769-5	2.673-5	2.620-5	2.554-5	2.330-5
39	119	1.887-4	1.893-4	1.919-4	1.931-4	1.943-4	1.967-4	2.003-4	2.019-4	2.033-4	1.978-4
39	120	2.089-5	2.084-5	1.956-5	1.905-5	1.861-5	1.791-5	1.728-5	1.711-5	1.694-5	1.604-5
39	121	1.687-5	1.661-5	1.642-5	1.636-5	1.626-5	1.583-5	1.457-5	1.388-5	1.307-5	1.100-5
39	122	3.681-5	3.658-5	3.654-5	3.654-5	3.652-5	3.637-5	3.582-5	3.548-5	3.503-5	3.273-5
39	123	1.280-4	1.278-4	1.291-4	1.297-4	1.302-4	1.310-4	1.320-4	1.325-4	1.328-4	1.280-4
39	124	1.730-5	1.729-5	1.721-5	1.714-5	1.705-5	1.676-5	1.603-5	1.563-5	1.514-5	1.359-5
39	125	8.908-6	8.918-6	8.925-6	8.926-6	8.927-6	8.929-6	8.947-6	8.962-6	8.968-6	8.623-6
40	41	7.573-3	6.799-3	4.684-3	3.861-3	3.115-3	1.947-3	1.035-3	8.365-4	6.914-4	4.997-4
40	42	8.864-3	8.032-3	5.782-3	4.869-3	4.046-3	2.838-3	2.142-3	2.117-3	2.185-3	2.355-3
40	43	1.562-1	1.525-1	1.181-1	1.039-1	9.151-2	7.380-2	6.180-2	5.954-2	5.826-2	5.648-2
40	44	4.788-3	4.152-3	2.972-3	2.477-3	2.000-3	1.208-3	5.589-4	4.131-4	3.046-4	1.656-4
40	45	3.930-2	3.222-2	2.018-2	1.649-2	1.358-2	1.035-2	1.013-2	1.059-2	1.113-2	1.169-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
40	46	5.889-2	5.586-2	4.891-2	4.629-2	4.409-2	4.137-2	4.023-2	4.023-2	4.044-2	4.024-2
40	47	3.058-1	2.530-1	1.708-1	1.452-1	1.241-1	9.513-2	7.560-2	7.157-2	6.865-2	6.324-2
40	48	1.746-2	1.519-2	1.211-2	1.122-2	1.053-2	9.720-3	9.341-3	9.292-3	9.271-3	9.006-3
40	49	1.637-2	1.427-2	1.167-2	1.092-2	1.034-2	9.655-3	9.350-3	9.314-3	9.299-3	9.031-3
40	50	2.598-2	2.105-2	1.644-2	1.517-2	1.408-2	1.230-2	1.037-2	9.709-3	9.082-3	7.775-3
40	51	1.784-1	1.783-1	1.838-1	1.949-1	2.170-1	2.960-1	4.383-1	4.955-1	5.546-1	6.482-1
40	52	3.142-1	3.136-1	3.229-1	3.424-1	3.809-1	5.193-1	7.704-1	8.718-1	9.768-1	1.143-0
40	53	6.404-2	6.421-2	6.611-2	6.991-2	7.740-2	1.041-1	1.517-1	1.707-1	1.903-1	2.210-1
40	54	2.649-3	2.485-3	2.173-3	2.043-3	1.914-3	1.658-3	1.307-3	1.168-3	1.027-3	7.514-4
40	55	2.124-2	1.702-2	1.266-2	1.124-2	9.954-3	7.816-3	5.819-3	5.235-3	4.696-3	3.660-3
40	56	9.123-2	7.945-2	6.170-2	5.393-2	4.591-2	3.119-2	1.759-2	1.422-2	1.156-2	7.681-3
40	57	2.355-3	2.183-3	1.627-3	1.369-3	1.124-3	7.274-4	4.081-4	3.336-4	2.748-4	1.874-4
40	58	1.227-2	1.086-2	9.149-3	8.629-3	8.172-3	7.408-3	6.566-3	6.284-3	6.020-3	5.408-3
40	59	7.856-3	6.975-3	5.969-3	5.673-3	5.436-3	5.127-3	4.922-3	4.881-3	4.856-3	4.701-3
40	60	1.295-2	1.219-2	9.748-3	8.558-3	7.354-3	5.240-3	3.381-3	2.930-3	2.575-3	2.024-3
40	61	1.474-1	1.476-1	1.532-1	1.626-1	1.793-1	2.338-1	3.251-1	3.606-1	3.963-1	4.483-1
40	62	7.613-3	7.198-3	5.247-3	4.419-3	3.661-3	2.481-3	1.561-3	1.352-3	1.191-3	9.447-4
40	63	2.851-3	2.662-3	2.405-3	2.318-3	2.238-3	2.096-3	1.940-3	1.892-3	1.851-3	1.732-3
40	64	7.854-3	6.719-3	4.581-3	3.833-3	3.190-3	2.252-3	1.562-3	1.407-3	1.286-3	1.085-3
40	65	1.544-2	1.293-2	8.353-3	6.708-3	5.272-3	3.140-3	1.573-3	1.237-3	9.890-4	6.591-4
40	66	9.942-4	9.647-4	6.884-4	5.610-4	4.434-4	2.611-4	1.233-4	9.353-5	7.154-5	4.306-5
40	67	8.310-3	7.375-3	5.047-3	4.168-3	3.397-3	2.253-3	1.410-3	1.227-3	1.088-3	8.777-4
40	68	2.517-2	2.129-2	1.364-2	1.089-2	8.504-3	4.968-3	2.376-3	1.820-3	1.408-3	8.685-4
40	69	6.315-3	5.684-3	5.259-3	5.274-3	5.419-3	6.047-3	7.226-3	7.716-3	8.224-3	8.887-3
40	70	1.172-2	1.055-2	7.363-3	6.065-3	4.875-3	3.010-3	1.564-3	1.245-3	1.006-3	6.822-4
40	71	4.101-3	3.967-3	3.880-3	3.964-3	4.152-3	4.787-3	5.858-3	6.288-3	6.730-3	7.317-3
40	72	1.741-3	1.425-3	1.010-3	8.720-4	7.495-4	5.645-4	4.321-4	4.070-4	3.911-4	3.662-4
40	73	4.850-4	3.864-4	2.332-4	1.847-4	1.439-4	8.515-5	4.254-5	3.323-5	2.618-5	1.654-5
40	74	1.192-3	9.412-4	5.877-4	4.718-4	3.715-4	2.220-4	1.101-4	8.555-5	6.723-5	4.273-5
40	75	1.277-3	9.744-4	5.919-4	4.731-4	3.718-4	2.221-4	1.106-4	8.619-5	6.781-5	4.299-5
40	76	3.072-3	2.773-3	2.542-3	2.558-3	2.648-3	3.002-3	3.624-3	3.875-3	4.133-3	4.467-3
40	77	3.073-2	2.962-2	2.967-2	3.078-2	3.269-2	3.828-2	4.700-2	5.043-2	5.392-2	5.847-2
40	78	2.458-2	2.355-2	2.337-2	2.411-2	2.544-2	2.942-2	3.572-2	3.822-2	4.078-2	4.409-2
40	79	4.377-4	3.455-4	2.084-4	1.647-4	1.280-4	7.553-5	3.773-5	2.950-5	2.331-5	1.490-5
40	80	1.156-1	1.153-1	1.202-1	1.260-1	1.346-1	1.573-1	1.912-1	2.044-1	2.179-1	2.350-1
40	81	4.320-3	4.134-3	4.072-3	4.194-3	4.416-3	5.064-3	6.081-3	6.489-3	6.908-3	7.442-3
40	82	3.950-4	3.025-4	1.928-4	1.584-4	1.292-4	8.629-5	5.356-5	4.575-5	3.939-5	2.918-5
40	83	1.680-2	1.659-2	1.723-2	1.796-2	1.902-2	2.174-2	2.572-2	2.730-2	2.894-2	3.095-2
40	84	2.394-2	2.398-2	2.488-2	2.581-2	2.714-2	3.056-2	3.564-2	3.768-2	3.981-2	4.238-2
40	85	1.600-2	1.609-2	1.706-2	1.795-2	1.915-2	2.218-2	2.660-2	2.834-2	3.012-2	3.232-2
40	86	1.429-3	1.375-3	1.331-3	1.351-3	1.396-3	1.542-3	1.781-3	1.882-3	1.989-3	2.122-3
40	87	5.434-3	5.458-3	5.741-3	5.996-3	6.341-3	7.184-3	8.400-3	8.890-3	9.400-3	1.002-2
40	88	3.694-4	3.386-4	2.403-4	2.016-4	1.676-4	1.169-4	7.631-5	6.592-5	5.712-5	4.240-5
40	89	8.175-3	7.179-3	4.690-3	3.747-3	2.926-3	1.720-3	8.446-4	6.567-4	5.168-4	3.297-4
40	90	2.784-4	2.844-4	2.355-4	2.133-4	1.937-4	1.633-4	1.331-4	1.227-4	1.124-4	9.061-5
40	91	5.651-5	6.046-5	4.667-5	4.006-5	3.413-5	2.500-5	1.719-5	1.501-5	1.306-5	9.635-6
40	92	1.712-4	1.555-4	1.162-4	1.022-4	9.011-5	7.224-5	5.757-5	5.367-5	5.030-5	4.360-5
40	93	2.179-4	1.880-4	1.205-4	9.725-5	7.763-5	4.950-5	2.868-5	2.382-5	1.994-5	1.400-5
40	94	6.060-3	5.342-3	3.383-3	2.687-3	2.097-3	1.255-3	6.573-4	5.292-4	4.331-4	2.999-4
40	95	5.378-4	4.931-4	3.847-4	3.508-4	3.239-4	2.851-4	2.440-4	2.281-4	2.113-4	1.734-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
40	96	7.032-4	6.304-4	4.405-4	3.727-4	3.153-4	2.322-4	1.688-4	1.532-4	1.399-4	1.155-4
40	97	6.422-4	5.104-4	3.017-4	2.382-4	1.866-4	1.155-4	6.607-5	5.545-5	4.743-5	3.583-5
40	98	2.903-4	2.497-4	1.920-4	1.757-4	1.630-4	1.456-4	1.315-4	1.274-4	1.234-4	1.123-4
40	99	7.636-4	6.693-4	5.265-4	4.861-4	4.543-4	4.096-4	3.685-4	3.544-4	3.398-4	3.007-4
40	100	4.273-4	3.424-4	2.219-4	1.883-4	1.620-4	1.273-4	1.048-4	1.005-4	9.745-5	9.041-5
40	101	9.444-5	8.234-5	6.939-5	6.605-5	6.356-5	6.054-5	5.908-5	5.899-5	5.898-5	5.695-5
40	102	2.347-4	1.782-4	1.184-4	1.036-4	9.218-5	7.715-5	6.660-5	6.418-5	6.221-5	5.729-5
40	103	2.087-4	1.820-4	1.515-4	1.433-4	1.367-4	1.265-4	1.151-4	1.105-4	1.057-4	9.279-5
40	104	1.628-4	1.406-4	9.846-5	8.268-5	6.881-5	4.787-5	3.123-5	2.707-5	2.359-5	1.780-5
40	105	4.715-5	3.779-5	2.824-5	2.568-5	2.360-5	2.052-5	1.761-5	1.670-5	1.583-5	1.386-5
40	106	1.260-2	1.260-2	1.284-2	1.316-2	1.357-2	1.451-2	1.584-2	1.642-2	1.705-2	1.765-2
40	107	2.891-4	2.700-4	1.845-4	1.510-4	1.218-4	7.884-5	4.715-5	4.002-5	3.446-5	2.599-5
40	108	1.129-1	1.140-1	1.170-1	1.201-1	1.240-1	1.326-1	1.452-1	1.508-1	1.569-1	1.630-1
40	109	2.459-4	2.136-4	1.756-4	1.658-4	1.585-4	1.495-4	1.446-4	1.444-4	1.448-4	1.417-4
40	110	1.770-3	1.625-3	1.541-3	1.545-3	1.561-3	1.616-3	1.721-3	1.774-3	1.832-3	1.882-3
40	111	1.534-4	1.485-4	1.400-4	1.369-4	1.340-4	1.278-4	1.161-4	1.100-4	1.027-4	8.412-5
40	112	1.583-4	1.520-4	1.438-4	1.411-4	1.385-4	1.327-4	1.213-4	1.152-4	1.080-4	8.931-5
40	113	1.277-3	1.270-3	1.254-3	1.245-3	1.233-3	1.196-3	1.102-3	1.047-3	9.801-4	8.036-4
40	114	5.925-5	5.557-5	5.218-5	5.126-5	5.041-5	4.863-5	4.554-5	4.415-5	4.261-5	3.822-5
40	115	1.267-4	1.240-4	1.227-4	1.228-4	1.230-4	1.237-4	1.250-4	1.256-4	1.261-4	1.220-4
40	116	5.001-5	4.814-5	4.657-5	4.617-5	4.579-5	4.485-5	4.277-5	4.171-5	4.048-5	3.659-5
40	117	2.601-4	2.603-4	2.619-4	2.623-4	2.623-4	2.598-4	2.494-4	2.433-4	2.358-4	2.116-4
40	118	1.532-5	1.478-5	1.452-5	1.447-5	1.441-5	1.411-5	1.320-5	1.270-5	1.211-5	1.052-5
40	119	2.806-4	2.919-4	3.082-4	3.128-4	3.159-4	3.161-4	3.043-4	2.970-4	2.882-4	2.603-4
40	120	1.583-4	1.616-4	1.654-4	1.668-4	1.681-4	1.706-4	1.740-4	1.758-4	1.777-4	1.751-4
40	121	1.939-5	1.950-5	1.966-5	1.970-5	1.968-5	1.940-5	1.839-5	1.780-5	1.710-5	1.504-5
40	122	1.517-5	1.493-5	1.467-5	1.457-5	1.444-5	1.403-5	1.301-5	1.248-5	1.187-5	1.026-5
40	123	4.294-5	4.271-5	4.218-5	4.187-5	4.144-5	4.014-5	3.711-5	3.558-5	3.383-5	2.920-5
40	124	1.606-5	1.603-5	1.591-5	1.581-5	1.565-5	1.510-5	1.364-5	1.284-5	1.189-5	9.583-6
40	125	8.693-6	8.679-6	8.617-6	8.576-6	8.519-6	8.346-6	7.965-6	7.777-6	7.560-6	6.854-6
41	42	5.143-2	5.230-2	4.414-2	3.980-2	3.549-2	2.810-2	2.157-2	1.992-2	1.855-2	1.605-2
41	43	3.173-3	2.582-3	1.731-3	1.422-3	1.140-3	6.941-4	3.372-4	2.559-4	1.943-4	1.119-4
41	44	1.637-2	1.332-2	9.396-3	7.940-3	6.555-3	4.209-3	2.202-3	1.735-3	1.383-3	9.133-4
41	45	5.040-2	4.900-2	3.922-2	3.412-2	2.889-2	1.956-2	1.131-2	9.369-3	7.893-3	5.838-3
41	46	1.061-2	1.093-2	7.943-3	6.748-3	5.837-3	5.187-3	6.196-3	6.775-3	7.336-3	7.977-3
41	47	7.242-3	6.261-3	4.198-3	3.439-3	2.773-3	1.791-3	1.120-3	1.001-3	9.337-4	8.755-4
41	48	9.600-3	7.427-3	4.483-3	3.575-3	2.826-3	1.815-3	1.239-3	1.171-3	1.159-3	1.206-3
41	49	3.068-2	1.843-2	9.257-3	7.194-3	5.693-3	4.015-3	3.506-3	3.610-3	3.826-3	4.313-3
41	50	3.606-3	2.878-3	2.094-3	1.821-3	1.563-3	1.118-3	7.074-4	5.968-4	5.025-4	3.484-4
41	51	4.986-3	5.036-3	4.366-3	4.003-3	3.626-3	2.923-3	2.193-3	1.970-3	1.763-3	1.365-3
41	52	3.598-3	3.496-3	2.948-3	2.637-3	2.300-3	1.663-3	1.040-3	8.712-4	7.289-4	5.008-4
41	53	4.572-3	4.552-3	3.798-3	3.356-3	2.878-3	1.974-3	1.119-3	9.044-4	7.339-4	4.849-4
41	54	2.469-3	2.289-3	1.921-3	1.727-3	1.519-3	1.128-3	7.614-4	6.719-4	6.026-4	4.963-4
41	55	9.747-3	9.310-3	8.786-3	8.964-3	9.617-3	1.245-2	1.790-2	2.013-2	2.244-2	2.607-2
41	56	2.038-2	2.003-2	1.973-2	2.044-2	2.224-2	2.928-2	4.242-2	4.773-2	5.321-2	6.178-2
41	57	1.576-3	1.643-3	1.265-3	1.061-3	8.636-4	5.388-4	2.750-4	2.144-4	1.680-4	1.047-4
41	58	1.092-2	1.111-2	9.646-3	8.803-3	7.920-3	6.293-3	4.691-3	4.228-3	3.810-3	3.019-3
41	59	1.882-2	1.881-2	1.666-2	1.527-2	1.373-2	1.079-2	7.968-3	7.224-3	6.599-3	5.475-3
41	60	2.309-2	2.253-2	2.213-2	2.302-2	2.507-2	3.252-2	4.572-2	5.093-2	5.622-2	6.404-2
41	61	3.081-2	2.342-2	1.707-2	1.512-2	1.334-2	1.046-2	7.953-3	7.306-3	6.764-3	5.762-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
41	62	8.251-3	7.201-3	6.097-3	5.915-3	5.969-3	6.786-3	8.670-3	9.472-3	1.030-2	1.153-2
41	63	9.259-3	7.832-3	6.147-3	5.523-3	4.931-3	3.925-3	2.994-3	2.731-3	2.494-3	2.034-3
41	64	4.843-3	4.856-3	4.826-3	4.994-3	5.364-3	6.674-3	8.936-3	9.824-3	1.072-2	1.201-2
41	65	6.518-3	6.194-3	4.986-3	4.518-3	4.154-3	3.826-3	4.022-3	4.211-3	4.442-3	4.780-3
41	66	3.378-3	3.127-3	2.118-3	1.717-3	1.360-3	8.198-4	4.133-4	3.242-4	2.574-4	1.678-4
41	67	6.815-3	5.424-3	3.830-3	3.275-3	2.794-3	2.124-3	1.758-3	1.727-3	1.736-3	1.762-3
41	68	1.790-2	1.681-2	1.550-2	1.545-2	1.584-2	1.787-2	2.190-2	2.359-2	2.535-2	2.774-2
41	69	8.404-3	7.946-3	7.038-3	6.679-3	6.352-3	5.853-3	5.467-3	5.373-3	5.290-3	4.974-3
41	70	9.627-3	8.796-3	6.732-3	5.802-3	4.930-3	3.595-3	2.710-3	2.577-3	2.519-3	2.460-3
41	71	8.838-3	8.343-3	6.799-3	6.046-3	5.287-3	3.954-3	2.739-3	2.417-3	2.143-3	1.668-3
41	72	7.061-3	6.414-3	5.419-3	5.057-3	4.731-3	4.205-3	3.690-3	3.516-3	3.341-3	2.914-3
41	73	1.879-2	1.833-2	1.858-2	1.931-2	2.053-2	2.411-2	2.980-2	3.203-2	3.430-2	3.726-2
41	74	2.579-3	2.333-3	1.824-3	1.625-3	1.439-3	1.137-3	8.752-4	8.071-4	7.486-4	6.354-4
41	75	2.978-3	2.873-3	2.329-3	2.073-3	1.824-3	1.405-3	1.047-3	9.574-4	8.834-4	7.480-4
41	76	1.019-2	1.009-2	8.929-3	8.329-3	7.732-3	6.707-3	5.765-3	5.501-3	5.261-3	4.696-3
41	77	6.604-3	6.134-3	4.786-3	4.109-3	3.430-3	2.271-3	1.298-3	1.072-3	8.982-4	6.492-4
41	78	9.539-3	8.198-3	5.902-3	4.993-3	4.153-3	2.818-3	1.757-3	1.514-3	1.326-3	1.038-3
41	79	1.424-2	1.380-2	1.358-2	1.377-2	1.419-2	1.558-2	1.798-2	1.898-2	2.002-2	2.125-2
41	80	3.905-3	3.541-3	2.454-3	2.001-3	1.589-3	9.555-4	4.784-4	3.754-4	2.993-4	1.988-4
41	81	1.699-3	1.496-3	9.788-4	7.825-4	6.107-4	3.567-4	1.705-4	1.301-4	9.979-5	5.938-5
41	82	2.375-3	2.057-3	1.334-3	1.065-3	8.298-4	4.838-4	2.327-4	1.792-4	1.396-4	8.751-5
41	83	2.210-3	1.980-3	1.335-3	1.075-3	8.429-4	4.932-4	2.353-4	1.803-4	1.398-4	8.727-5
41	84	4.819-3	4.138-3	2.665-3	2.121-3	1.649-3	9.568-4	4.559-4	3.488-4	2.693-4	1.646-4
41	85	1.573-3	1.423-3	9.451-4	7.607-4	5.996-4	3.618-4	1.866-4	1.480-4	1.186-4	7.786-5
41	86	5.970-3	5.369-3	3.459-3	2.746-3	2.130-3	1.233-3	5.876-4	4.497-4	3.473-4	2.122-4
41	87	1.828-3	1.497-3	8.960-4	7.003-4	5.372-4	3.065-4	1.438-4	1.092-4	8.356-5	4.976-5
41	88	6.006-3	5.799-3	5.780-3	5.928-3	6.164-3	6.795-3	7.761-3	8.161-3	8.581-3	9.067-3
41	89	1.869-2	1.867-2	1.946-2	2.017-2	2.114-2	2.353-2	2.706-2	2.851-2	3.002-2	3.180-2
41	90	2.882-3	2.603-3	2.192-3	2.086-3	2.016-3	1.961-3	1.997-3	2.033-3	2.076-3	2.094-3
41	91	8.848-4	6.985-4	4.963-4	4.491-4	4.175-4	3.896-4	3.960-4	4.068-4	4.208-4	4.366-4
41	92	3.266-3	2.835-3	2.241-3	2.068-3	1.925-3	1.708-3	1.476-3	1.385-3	1.284-3	1.043-3
41	93	1.818-3	1.408-3	8.126-4	6.355-4	4.919-4	2.934-4	1.552-4	1.255-4	1.031-4	7.167-5
41	94	7.626-3	7.645-3	7.854-3	8.082-3	8.402-3	9.210-3	1.044-2	1.096-2	1.152-2	1.217-2
41	95	2.081-3	1.575-3	9.818-4	8.242-4	7.002-4	5.301-4	3.980-4	3.612-4	3.267-4	2.571-4
41	96	2.063-3	1.731-3	1.378-3	1.295-3	1.237-3	1.176-3	1.157-3	1.160-3	1.166-3	1.137-3
41	97	2.342-2	2.380-2	2.516-2	2.616-2	2.742-2	3.032-2	3.443-2	3.614-2	3.794-2	3.999-2
41	98	4.049-4	2.825-4	1.484-4	1.135-4	8.624-5	4.964-5	2.427-5	1.871-5	1.449-5	8.742-6
41	99	1.121-2	1.124-2	1.157-2	1.189-2	1.231-2	1.331-2	1.476-2	1.538-2	1.604-2	1.671-2
41	100	1.973-3	1.688-3	1.441-3	1.389-3	1.355-3	1.315-3	1.279-3	1.263-3	1.243-3	1.156-3
41	101	1.405-3	1.293-3	1.226-3	1.226-3	1.236-3	1.273-3	1.326-3	1.347-3	1.368-3	1.357-3
41	102	4.090-4	3.814-4	3.497-4	3.385-4	3.278-4	3.075-4	2.764-4	2.616-4	2.443-4	2.005-4
41	103	5.529-2	5.718-2	6.005-2	6.201-2	6.438-2	6.967-2	7.737-2	8.071-2	8.428-2	8.812-2
41	104	3.984-2	4.130-2	4.358-2	4.514-2	4.702-2	5.113-2	5.699-2	5.954-2	6.228-2	6.536-2
41	105	1.339-2	1.386-2	1.455-2	1.503-2	1.562-2	1.691-2	1.877-2	1.957-2	2.044-2	2.138-2
41	106	9.034-4	8.200-4	5.607-4	4.537-4	3.581-4	2.143-4	1.080-4	8.505-5	6.803-5	4.516-5
41	107	3.433-4	3.449-4	3.347-4	3.351-4	3.382-4	3.496-4	3.725-4	3.842-4	3.973-4	4.092-4
41	108	2.850-4	2.782-4	1.991-4	1.649-4	1.342-4	8.747-5	5.116-5	4.255-5	3.563-5	2.501-5
41	109	3.450-4	3.051-4	1.982-4	1.584-4	1.238-4	7.282-5	3.552-5	2.738-5	2.124-5	1.292-5
41	110	1.829-4	1.606-4	1.104-4	9.367-5	7.967-5	5.915-5	4.197-5	3.714-5	3.279-5	2.486-5
41	111	2.273-4	1.917-4	1.210-4	9.589-5	7.423-5	4.263-5	1.985-5	1.498-5	1.137-5	6.651-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
41	112	3.783-4	2.939-4	1.719-4	1.362-4	1.076-4	6.842-5	4.108-5	3.502-5	3.027-5	2.286-5
41	113	4.360-5	3.772-5	2.957-5	2.703-5	2.484-5	2.132-5	1.752-5	1.613-5	1.472-5	1.171-5
41	114	3.822-4	3.361-4	2.875-4	2.744-4	2.634-4	2.453-4	2.206-4	2.090-4	1.955-4	1.606-4
41	115	6.947-5	4.969-5	2.721-5	2.131-5	1.673-5	1.059-5	6.298-6	5.325-6	4.558-6	3.389-6
41	116	2.623-3	2.711-3	2.890-3	2.963-3	3.035-3	3.175-3	3.399-3	3.512-3	3.641-3	3.767-3
41	117	2.422-4	2.324-4	2.236-4	2.220-4	2.208-4	2.192-4	2.168-4	2.156-4	2.139-4	2.025-4
41	118	7.297-4	7.476-4	7.855-4	8.020-4	8.187-4	8.526-4	9.085-4	9.375-4	9.708-4	1.002-3
41	119	8.877-5	7.783-5	6.739-5	6.467-5	6.238-5	5.839-5	5.240-5	4.955-5	4.625-5	3.794-5
41	120	5.346-5	4.900-5	3.879-5	3.502-5	3.170-5	2.647-5	2.139-5	1.973-5	1.810-5	1.468-5
41	121	7.048-4	7.214-4	7.512-4	7.636-4	7.763-4	8.030-4	8.504-4	8.760-4	9.056-4	9.325-4
41	122	1.982-3	2.000-3	2.060-3	2.087-3	2.115-3	2.177-3	2.298-3	2.365-3	2.442-3	2.510-3
41	123	8.705-4	8.700-4	8.920-4	9.022-4	9.128-4	9.362-4	9.826-4	1.008-3	1.038-3	1.060-3
41	124	2.714-5	2.694-5	2.657-5	2.636-5	2.608-5	2.523-5	2.312-5	2.196-5	2.057-5	1.702-5
41	125	5.578-5	5.563-5	5.500-5	5.459-5	5.405-5	5.234-5	4.800-5	4.554-5	4.258-5	3.492-5
42	43	9.118-3	7.606-3	5.628-3	5.056-3	4.756-3	5.432-3	8.495-3	9.683-3	1.067-2	1.162-2
42	44	4.488-3	3.868-3	2.876-3	2.445-3	2.022-3	1.299-3	6.960-4	5.613-4	4.635-4	3.417-4
42	45	1.286-2	1.177-2	8.934-3	7.663-3	6.440-3	4.414-3	2.755-3	2.381-3	2.106-3	1.729-3
42	46	7.493-3	7.211-3	5.299-3	4.414-3	3.592-3	2.345-3	1.526-3	1.386-3	1.297-3	1.172-3
42	47	1.023-2	9.158-3	6.295-3	5.171-3	4.165-3	2.670-3	1.669-3	1.507-3	1.430-3	1.402-3
42	48	1.866-3	1.696-3	1.279-3	1.077-3	8.759-4	5.333-4	2.481-4	1.834-4	1.352-4	7.300-5
42	49	7.251-3	6.243-3	4.426-3	3.672-3	2.966-3	1.833-3	9.475-4	7.556-4	6.158-4	4.352-4
42	50	1.552-2	1.345-2	1.075-2	9.646-3	8.547-3	6.613-3	4.897-3	4.481-3	4.154-3	3.594-3
42	51	9.915-3	9.635-3	7.963-3	7.023-3	6.034-3	4.245-3	2.656-3	2.279-3	1.988-3	1.559-3
42	52	1.693-2	1.619-2	1.347-2	1.191-2	1.022-2	7.031-3	4.013-3	3.245-3	2.627-3	1.711-3
42	53	3.419-3	3.147-3	2.431-3	2.091-3	1.743-3	1.121-3	5.698-4	4.386-4	3.381-4	2.021-4
42	54	8.575-4	7.028-4	5.012-4	4.257-4	3.532-4	2.295-4	1.222-4	9.654-5	7.664-5	4.899-5
42	55	1.633-3	1.400-3	9.988-4	8.297-4	6.691-4	4.069-4	1.961-4	1.491-4	1.142-4	6.899-5
42	56	2.578-3	2.264-3	1.689-3	1.425-3	1.169-3	7.487-4	4.165-4	3.447-4	2.931-4	2.269-4
42	57	2.853-3	2.874-3	2.217-3	1.856-3	1.507-3	9.439-4	4.978-4	3.966-4	3.195-4	2.128-4
42	58	3.148-2	3.283-2	2.891-2	2.624-2	2.333-2	1.787-2	1.268-2	1.129-2	1.012-2	8.056-3
42	59	1.634-2	1.621-2	1.479-2	1.408-2	1.337-2	1.215-2	1.102-2	1.070-2	1.041-2	9.583-3
42	60	6.651-3	5.680-3	3.792-3	3.107-3	2.514-3	1.663-3	1.097-3	9.952-4	9.334-4	8.608-4
42	61	4.075-2	3.319-2	2.643-2	2.410-2	2.184-2	1.781-2	1.374-2	1.250-2	1.133-2	9.007-3
42	62	7.670-3	6.412-3	4.481-3	3.770-3	3.145-3	2.242-3	1.684-3	1.608-3	1.582-3	1.569-3
42	63	1.247-2	1.035-2	8.254-3	7.416-3	6.593-3	5.178-3	3.951-3	3.654-3	3.416-3	2.984-3
42	64	9.747-4	1.005-3	7.722-4	6.474-4	5.257-4	3.247-4	1.610-4	1.234-4	9.473-5	5.593-5
42	65	1.077-2	1.001-2	7.121-3	5.890-3	4.761-3	3.029-3	1.783-3	1.542-3	1.384-3	1.197-3
42	66	6.954-3	6.447-3	4.260-3	3.417-3	2.684-3	1.606-3	8.164-4	6.436-4	5.129-4	3.337-4
42	67	5.129-3	4.264-3	3.061-3	2.553-3	2.064-3	1.260-3	6.177-4	4.778-4	3.760-4	2.468-4
42	68	1.230-2	1.043-2	7.323-3	6.088-3	4.944-3	3.146-3	1.797-3	1.524-3	1.336-3	1.104-3
42	69	1.124-2	9.583-3	6.930-3	5.884-3	4.888-3	3.232-3	1.837-3	1.504-3	1.244-3	8.635-4
42	70	1.459-2	1.396-2	1.076-2	9.154-3	7.607-3	5.147-3	3.355-3	3.021-3	2.815-3	2.569-3
42	71	5.941-3	5.555-3	4.336-3	3.798-3	3.286-3	2.443-3	1.718-3	1.531-3	1.372-3	1.094-3
42	72	1.773-2	1.650-2	1.403-2	1.286-2	1.167-2	9.564-3	7.504-3	6.894-3	6.332-3	5.206-3
42	73	1.939-2	1.768-2	1.656-2	1.683-2	1.760-2	2.031-2	2.491-2	2.676-2	2.866-2	3.118-2
42	74	2.632-3	2.267-3	1.630-3	1.399-3	1.195-3	8.861-4	6.474-4	5.913-4	5.462-4	4.660-4
42	75	2.371-3	2.262-3	1.717-3	1.484-3	1.271-3	9.410-4	6.843-4	6.247-4	5.772-4	4.934-4
42	76	1.459-2	1.515-2	1.305-2	1.172-2	1.033-2	7.866-3	5.626-3	5.038-3	4.537-3	3.646-3
42	77	8.296-3	7.622-3	5.476-3	4.572-3	3.743-3	2.448-3	1.424-3	1.184-3	9.943-4	7.067-4
42	78	1.176-2	1.085-2	7.921-3	6.636-3	5.447-3	3.581-3	2.117-3	1.781-3	1.517-3	1.121-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
42	79	7.608-2	7.561-2	7.800-2	8.127-2	8.632-2	1.003-1	1.218-1	1.303-1	1.389-1	1.500-1
42	80	8.061-3	7.045-3	4.788-3	3.877-3	3.050-3	1.780-3	8.220-4	6.147-4	4.617-4	2.647-4
42	81	4.578-3	4.138-3	2.732-3	2.181-3	1.696-3	9.763-4	4.500-4	3.369-4	2.531-4	1.441-4
42	82	2.345-3	2.222-3	1.515-3	1.222-3	9.624-4	5.760-4	2.931-4	2.322-4	1.868-4	1.252-4
42	83	4.609-3	3.942-3	2.542-3	2.027-3	1.579-3	9.218-4	4.448-4	3.423-4	2.660-4	1.647-4
42	84	3.420-3	2.713-3	1.665-3	1.313-3	1.014-3	5.830-4	2.756-4	2.103-4	1.622-4	9.925-5
42	85	6.081-3	5.369-3	3.572-3	2.881-3	2.273-3	1.367-3	6.928-4	5.432-4	4.290-4	2.705-4
42	86	3.041-3	2.508-3	1.524-3	1.195-3	9.188-4	5.260-4	2.500-4	1.922-4	1.499-4	9.513-5
42	87	7.670-3	6.839-3	4.379-3	3.474-3	2.698-3	1.578-3	7.743-4	6.017-4	4.727-4	2.992-4
42	88	9.123-3	8.666-3	8.531-3	8.731-3	9.068-3	9.988-3	1.139-2	1.198-2	1.261-2	1.334-2
42	89	1.284-3	1.142-3	8.361-4	7.099-4	5.946-4	4.182-4	2.928-4	2.699-4	2.559-4	2.372-4
42	90	2.478-2	2.450-2	2.519-2	2.607-2	2.730-2	3.034-2	3.479-2	3.662-2	3.852-2	4.074-2
42	91	1.017-3	7.940-4	5.293-4	4.575-4	4.005-4	3.205-4	2.536-4	2.330-4	2.127-4	1.691-4
42	92	1.331-2	1.260-2	1.215-2	1.225-2	1.252-2	1.333-2	1.467-2	1.523-2	1.581-2	1.634-2
42	93	2.258-3	1.713-3	9.785-4	7.690-4	6.023-4	3.767-4	2.220-4	1.884-4	1.627-4	1.239-4
42	94	1.898-3	1.928-3	1.852-3	1.795-3	1.746-3	1.696-3	1.734-3	1.777-3	1.834-3	1.895-3
42	95	4.482-3	3.444-3	2.153-3	1.801-3	1.528-3	1.169-3	9.415-4	8.985-4	8.687-4	8.067-4
42	96	2.922-2	2.934-2	3.053-2	3.161-2	3.301-2	3.633-2	4.109-2	4.307-2	4.515-2	4.746-2
42	97	2.544-2	2.577-2	2.716-2	2.823-2	2.958-2	3.270-2	3.707-2	3.889-2	4.081-2	4.300-2
42	98	5.728-3	4.952-3	3.972-3	3.693-3	3.464-3	3.109-3	2.712-3	2.549-3	2.368-3	1.927-3
42	99	2.801-2	2.850-2	2.992-2	3.100-2	3.236-2	3.547-2	3.992-2	4.181-2	4.381-2	4.608-2
42	100	3.659-4	2.475-4	1.357-4	1.078-4	8.612-5	5.676-5	3.553-5	3.046-5	2.630-5	1.952-5
42	101	1.527-4	9.782-5	5.507-5	4.520-5	3.761-5	2.726-5	1.917-5	1.695-5	1.494-5	1.122-5
42	102	7.282-2	7.525-2	7.884-2	8.140-2	8.455-2	9.167-2	1.021-1	1.065-1	1.113-1	1.164-1
42	103	4.314-3	4.414-3	4.579-3	4.706-3	4.863-3	5.211-3	5.691-3	5.891-3	6.101-3	6.280-3
42	104	2.523-4	2.046-4	1.680-4	1.579-4	1.491-4	1.345-4	1.169-4	1.097-4	1.018-4	8.267-5
42	105	6.846-2	7.098-2	7.485-2	7.754-2	8.078-2	8.791-2	9.800-2	1.024-1	1.071-1	1.125-1
42	106	1.909-4	1.718-4	1.158-4	9.308-5	7.276-5	4.208-5	1.935-5	1.448-5	1.089-5	6.291-6
42	107	1.338-4	1.204-4	9.979-5	8.932-5	7.852-5	5.935-5	4.165-5	3.681-5	3.254-5	2.477-5
42	108	4.820-4	4.725-4	3.373-4	2.749-4	2.176-4	1.291-4	6.239-5	4.787-5	3.708-5	2.285-5
42	109	5.621-4	4.707-4	2.952-4	2.338-4	1.811-4	1.044-4	4.898-5	3.716-5	2.840-5	1.695-5
42	110	6.693-4	5.054-4	2.929-4	2.289-4	1.764-4	1.029-4	5.104-5	3.981-5	3.129-5	1.955-5
42	111	1.060-4	8.923-5	5.702-5	4.558-5	3.571-5	2.125-5	1.067-5	8.352-6	6.602-6	4.202-6
42	112	1.907-4	1.583-4	9.483-5	7.421-5	5.717-5	3.328-5	1.653-5	1.293-5	1.023-5	6.541-6
42	113	4.054-5	3.420-5	2.246-5	1.808-5	1.422-5	8.470-6	4.178-6	3.228-6	2.508-6	1.530-6
42	114	3.694-3	3.760-3	3.985-3	4.091-3	4.198-3	4.410-3	4.746-3	4.909-3	5.090-3	5.263-3
42	115	5.760-4	5.339-4	4.803-4	4.639-4	4.494-4	4.233-4	3.833-4	3.635-4	3.401-4	2.796-4
42	116	1.753-4	1.590-4	1.421-4	1.377-4	1.341-4	1.282-4	1.204-4	1.169-4	1.127-4	1.002-4
42	117	4.179-4	4.095-4	4.120-4	4.161-4	4.209-4	4.327-4	4.551-4	4.672-4	4.811-4	4.916-4
42	118	1.643-4	1.565-4	1.460-4	1.426-4	1.396-4	1.334-4	1.221-4	1.162-4	1.089-4	8.983-5
42	119	2.842-3	2.922-3	3.090-3	3.160-3	3.228-3	3.366-3	3.595-3	3.711-3	3.841-3	3.958-3
42	120	8.385-5	7.791-5	5.307-5	4.310-5	3.434-5	2.135-5	1.163-5	9.403-6	7.662-6	5.109-6
42	121	7.501-5	6.672-5	5.809-5	5.574-5	5.375-5	5.035-5	4.541-5	4.302-5	4.021-5	3.300-5
42	122	5.080-4	5.066-4	5.135-4	5.174-4	5.215-4	5.300-4	5.453-4	5.539-4	5.637-4	5.630-4
42	123	2.613-3	2.603-3	2.663-3	2.695-3	2.728-3	2.806-3	2.960-3	3.047-3	3.147-3	3.236-3
42	124	1.000-4	9.901-5	9.869-5	9.880-5	9.901-5	9.973-5	1.017-4	1.030-4	1.046-4	1.039-4
42	125	7.985-4	8.003-4	8.034-4	8.053-4	8.079-4	8.159-4	8.367-4	8.496-4	8.647-4	8.633-4
43	44	1.658-3	1.501-3	1.086-3	9.013-4	7.247-4	4.359-4	2.030-4	1.507-4	1.116-4	6.099-5
43	45	5.951-3	5.285-3	3.732-3	3.092-3	2.491-3	1.516-3	7.268-4	5.479-4	4.131-4	2.350-4
43	46	8.588-2	8.258-2	6.821-2	6.289-2	5.838-2	5.208-2	4.792-2	4.737-2	4.758-2	4.887-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
43	47	2.566-1	1.879-1	1.142-1	9.432-2	7.823-2	5.558-2	3.931-2	3.582-2	3.328-2	2.949-2
43	48	1.121-2	8.376-3	5.441-3	4.621-3	3.942-3	2.922-3	2.006-3	1.733-3	1.482-3	1.036-3
43	49	8.205-3	5.826-3	3.805-3	3.243-3	2.766-3	2.029-3	1.355-3	1.156-3	9.763-4	6.659-4
43	50	7.343-1	7.381-1	7.612-1	8.099-1	9.087-1	1.274-0	1.961-0	2.249-0	2.556-0	3.076-0
43	51	4.298-2	4.296-2	4.363-2	4.571-2	5.004-2	6.599-2	9.529-2	1.074-1	1.201-1	1.411-1
43	52	1.878-1	1.883-1	1.941-1	2.063-1	2.306-1	3.185-1	4.793-1	5.455-1	6.153-1	7.309-1
43	53	7.986-3	7.826-3	7.459-3	7.323-3	7.198-3	6.990-3	6.818-3	6.797-3	6.799-3	6.633-3
43	54	4.407-3	4.293-3	4.111-3	4.051-3	3.999-3	3.925-3	3.897-3	3.915-3	3.947-3	3.906-3
43	55	8.617-4	7.175-4	4.937-4	4.131-4	3.384-4	2.163-4	1.149-4	9.101-5	7.250-5	4.625-5
43	56	4.853-3	4.132-3	2.858-3	2.363-3	1.902-3	1.161-3	5.706-4	4.382-4	3.389-4	2.074-4
43	57	1.766-4	1.538-4	1.054-4	8.625-5	6.875-5	4.136-5	1.996-5	1.514-5	1.147-5	6.558-6
43	58	2.605-2	2.483-2	2.406-2	2.468-2	2.626-2	3.225-2	4.293-2	4.718-2	5.159-2	5.832-2
43	59	6.136-3	5.572-3	5.039-3	4.852-3	4.656-3	4.211-3	3.456-3	3.126-3	2.781-3	2.081-3
43	60	3.632-2	4.615-2	4.791-2	4.428-2	3.912-2	2.759-2	1.571-2	1.267-2	1.025-2	6.730-3
43	61	1.827-2	1.805-2	1.777-2	1.781-2	1.806-2	1.908-2	2.051-2	2.093-2	2.132-2	2.142-2
43	62	1.794-2	1.734-2	1.464-2	1.319-2	1.166-2	8.836-3	6.118-3	5.365-3	4.707-3	3.540-3
43	63	2.840-3	2.765-3	2.647-3	2.586-3	2.511-3	2.307-3	1.899-3	1.708-3	1.505-3	1.090-3
43	64	5.490-3	5.492-3	4.773-3	4.462-3	4.169-3	3.659-3	3.084-3	2.867-3	2.637-3	2.110-3
43	65	1.056-2	1.023-2	7.527-3	6.225-3	4.996-3	3.045-3	1.523-3	1.183-3	9.262-4	5.773-4
43	66	4.150-3	4.196-3	3.136-3	2.608-3	2.110-3	1.323-3	7.092-4	5.698-4	4.619-4	3.067-4
43	67	1.732-3	1.351-3	8.603-4	7.040-4	5.710-4	3.753-4	2.256-4	1.899-4	1.607-4	1.141-4
43	68	1.862-2	1.840-2	1.342-2	1.103-2	8.809-3	5.303-3	2.589-3	1.986-3	1.532-3	9.228-4
43	69	1.704-3	1.441-3	1.029-3	8.949-4	7.841-4	6.408-4	5.785-4	5.811-4	5.934-4	6.124-4
43	70	4.342-3	3.758-3	2.501-3	2.029-3	1.610-3	9.689-4	4.814-4	3.734-4	2.919-4	1.808-4
43	71	1.172-3	1.054-3	8.290-4	7.302-4	6.331-4	4.637-4	3.000-4	2.528-4	2.111-4	1.415-4
43	72	5.933-3	6.079-3	4.977-3	4.492-3	4.084-3	3.587-3	3.460-3	3.521-3	3.621-3	3.748-3
43	73	1.536-4	1.229-4	7.785-5	6.228-5	4.869-5	2.836-5	1.328-5	1.002-5	7.592-6	4.413-6
43	74	5.431-4	4.334-4	2.687-4	2.161-4	1.715-4	1.066-4	5.811-5	4.715-5	3.869-5	2.657-5
43	75	3.999-4	3.255-4	2.068-4	1.670-4	1.326-4	8.139-5	4.290-5	3.430-5	2.775-5	1.864-5
43	76	1.447-3	1.484-3	1.369-3	1.302-3	1.242-3	1.166-3	1.151-3	1.165-3	1.188-3	1.205-3
43	77	1.574-3	1.204-3	7.248-4	5.774-4	4.538-4	2.748-4	1.431-4	1.139-4	9.148-5	6.022-5
43	78	1.546-3	1.229-3	7.582-4	6.085-4	4.816-4	2.963-4	1.585-4	1.274-4	1.034-4	6.882-5
43	79	1.007-3	8.033-4	4.944-4	3.930-4	3.065-4	1.797-4	8.677-5	6.652-5	5.132-5	3.092-5
43	80	7.841-3	6.441-3	4.318-3	3.739-3	3.319-3	2.878-3	2.800-3	2.859-3	2.951-3	3.066-3
43	81	1.141-1	1.137-1	1.185-1	1.241-1	1.321-1	1.531-1	1.840-1	1.962-1	2.087-1	2.245-1
43	82	4.705-4	3.564-4	2.303-4	1.884-4	1.512-4	9.418-5	4.947-5	3.911-5	3.104-5	1.961-5
43	83	7.649-4	6.791-4	5.016-4	4.202-4	3.409-4	2.095-4	1.024-4	7.791-5	5.935-5	3.450-5
43	84	7.966-4	6.446-4	4.208-4	3.433-4	2.755-4	1.737-4	9.586-5	7.793-5	6.389-5	4.329-5
43	85	1.409-1	1.400-1	1.463-1	1.527-1	1.617-1	1.843-1	2.173-1	2.304-1	2.440-1	2.606-1
43	86	1.246-3	1.055-3	7.217-4	5.889-4	4.681-4	2.813-4	1.382-4	1.065-4	8.239-5	4.978-5
43	87	1.149-2	1.072-2	9.734-3	9.549-3	9.530-3	9.896-3	1.088-2	1.137-2	1.191-2	1.257-2
43	88	1.459-4	1.190-4	8.004-5	6.666-5	5.503-5	3.749-5	2.332-5	1.975-5	1.680-5	1.216-5
43	89	1.017-2	9.650-3	6.644-3	5.363-3	4.212-3	2.473-3	1.179-3	8.968-4	6.859-4	4.063-4
43	90	1.440-4	1.247-4	9.411-5	8.397-5	7.534-5	6.209-5	4.910-5	4.485-5	4.080-5	3.278-5
43	91	2.117-5	1.873-5	1.449-5	1.290-5	1.148-5	9.160-6	6.923-6	6.252-6	5.654-6	4.578-6
43	92	6.844-4	6.613-4	6.098-4	5.909-4	5.745-4	5.458-4	5.009-4	4.796-4	4.557-4	3.933-4
43	93	9.924-5	9.306-5	6.557-5	5.428-5	4.417-5	2.865-5	1.618-5	1.309-5	1.055-5	6.690-6
43	94	2.269-3	2.163-3	1.525-3	1.239-3	9.787-4	5.787-4	2.759-4	2.092-4	1.591-4	9.257-5
43	95	4.429-4	4.288-4	3.903-4	3.772-4	3.662-4	3.477-4	3.213-4	3.094-4	2.960-4	2.598-4
43	96	1.083-3	9.423-4	6.113-4	4.930-4	3.922-4	2.463-4	1.381-4	1.131-4	9.340-5	6.414-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
43	97	4.345-4	3.901-4	2.591-4	2.090-4	1.653-4	1.004-4	5.163-5	4.052-5	3.191-5	1.978-5
43	98	5.199-4	4.984-4	4.266-4	4.039-4	3.862-4	3.594-4	3.235-4	3.080-4	2.914-4	2.509-4
43	99	7.325-4	5.851-4	3.477-4	2.754-4	2.166-4	1.351-4	7.713-5	6.405-5	5.379-5	3.841-5
43	100	7.343-5	6.112-5	4.493-5	4.045-5	3.690-5	3.163-5	2.593-5	2.381-5	2.166-5	1.715-5
43	101	3.074-5	2.363-5	1.532-5	1.279-5	1.065-5	7.481-6	4.817-6	4.089-6	3.456-6	2.399-6
43	102	9.024-4	7.218-4	4.508-4	3.751-4	3.154-4	2.340-4	1.733-4	1.579-4	1.446-4	1.195-4
43	103	6.833-4	4.755-4	2.521-4	1.953-4	1.514-4	9.305-5	5.184-5	4.223-5	3.449-5	2.279-5
43	104	1.008-4	8.837-5	5.944-5	4.879-5	3.950-5	2.556-5	1.459-5	1.189-5	9.670-6	6.275-6
43	105	6.813-5	5.570-5	3.789-5	3.259-5	2.819-5	2.156-5	1.535-5	1.338-5	1.153-5	8.137-6
43	106	7.656-4	5.159-4	2.690-4	2.086-4	1.626-4	1.024-4	6.068-5	5.105-5	4.326-5	3.095-5
43	107	3.764-4	3.009-4	1.954-4	1.604-4	1.305-4	8.654-5	5.225-5	4.373-5	3.661-5	2.516-5
43	108	3.292-3	2.081-3	1.094-3	8.763-4	7.184-4	5.268-4	4.210-4	4.068-4	4.014-4	3.922-4
43	109	3.577-2	3.423-2	3.413-2	3.487-2	3.586-2	3.812-2	4.141-2	4.289-2	4.450-2	4.605-2
43	110	1.655-1	1.572-1	1.567-1	1.603-1	1.651-1	1.760-1	1.925-1	1.999-1	2.080-1	2.163-1
43	111	2.470-5	2.144-5	1.498-5	1.285-5	1.105-5	8.356-6	5.937-6	5.203-6	4.519-6	3.260-6
43	112	9.441-4	9.346-4	9.173-4	9.092-4	8.995-4	8.716-4	8.025-4	7.630-4	7.145-4	5.869-4
43	113	1.303-5	9.181-6	5.036-6	3.951-6	3.102-6	1.956-6	1.132-6	9.350-7	7.728-7	5.167-7
43	114	3.183-4	3.175-4	3.183-4	3.181-4	3.171-4	3.112-4	2.922-4	2.816-4	2.690-4	2.337-4
43	115	2.627-4	2.716-4	2.893-4	2.948-4	2.981-4	2.964-4	2.758-4	2.636-4	2.495-4	2.132-4
43	116	1.241-5	1.209-5	1.179-5	1.168-5	1.153-5	1.102-5	9.744-6	9.101-6	8.389-6	6.769-6
43	117	2.693-5	2.627-5	2.559-5	2.533-5	2.500-5	2.394-5	2.142-5	2.016-5	1.876-5	1.548-5
43	118	3.636-6	3.358-6	2.961-6	2.829-6	2.703-6	2.448-6	2.037-6	1.857-6	1.667-6	1.271-6
43	119	5.506-5	5.584-5	5.696-5	5.711-5	5.696-5	5.543-5	5.057-5	4.805-5	4.522-5	3.828-5
43	120	1.423-3	1.418-3	1.403-3	1.393-3	1.380-3	1.340-3	1.234-3	1.173-3	1.098-3	8.995-4
43	121	5.155-6	4.933-6	4.698-6	4.613-6	4.515-6	4.247-6	3.665-6	3.376-6	3.056-6	2.351-6
43	122	1.470-5	1.447-5	1.431-5	1.422-5	1.406-5	1.343-5	1.177-5	1.090-5	9.941-6	7.769-6
43	123	3.566-5	3.524-5	3.478-5	3.446-5	3.397-5	3.227-5	2.804-5	2.586-5	2.341-5	1.796-5
43	124	3.344-6	3.321-6	3.260-6	3.220-6	3.164-6	2.992-6	2.596-6	2.395-6	2.172-6	1.672-6
43	125	2.065-5	2.059-5	2.033-5	2.015-5	1.989-5	1.904-5	1.695-5	1.582-5	1.452-5	1.146-5
44	45	1.332-1	1.125-1	7.798-2	6.551-2	5.396-2	3.495-2	1.891-2	1.515-2	1.227-2	8.314-3
44	46	1.233-2	1.199-2	8.765-3	7.510-3	6.522-3	5.624-3	6.449-3	7.359-3	8.511-3	1.049-2
44	47	4.908-3	4.170-3	2.849-3	2.332-3	1.857-3	1.107-3	5.194-4	3.888-4	2.913-4	1.642-4
44	48	4.388-2	3.108-2	1.787-2	1.485-2	1.302-2	1.277-2	1.686-2	1.873-2	2.049-2	2.251-2
44	49	7.251-3	5.543-3	3.511-3	2.897-3	2.409-3	1.845-3	1.734-3	1.790-3	1.866-3	1.957-3
44	50	7.410-4	6.365-4	4.437-4	3.659-4	2.934-4	1.773-4	8.434-5	6.332-5	4.748-5	2.660-5
44	51	2.008-3	2.021-3	1.527-3	1.296-3	1.080-3	7.433-4	4.868-4	4.316-4	3.912-4	3.316-4
44	52	7.345-4	6.840-4	4.900-4	4.038-4	3.229-4	1.928-4	8.928-5	6.613-5	4.883-5	2.645-5
44	53	1.339-3	1.357-3	1.081-3	9.270-4	7.672-4	4.823-4	2.336-4	1.759-4	1.327-4	7.642-5
44	54	8.074-4	8.369-4	6.818-4	5.904-4	4.944-4	3.189-4	1.608-4	1.233-4	9.479-5	5.672-5
44	55	4.332-2	4.177-2	4.019-2	4.167-2	4.562-2	6.135-2	9.116-2	1.035-1	1.165-1	1.379-1
44	56	1.458-1	1.418-1	1.396-1	1.460-1	1.610-1	2.186-1	3.261-1	3.703-1	4.168-1	4.927-1
44	57	1.364-3	1.263-3	9.080-4	7.533-4	6.097-4	3.829-4	2.047-4	1.644-4	1.336-4	9.049-5
44	58	3.070-3	2.884-3	2.302-3	2.044-3	1.796-3	1.389-3	1.061-3	9.868-4	9.308-4	8.326-4
44	59	5.257-3	4.861-3	3.968-3	3.518-3	3.066-3	2.292-3	1.644-3	1.497-3	1.386-3	1.206-3
44	60	1.591-2	1.312-2	8.788-3	7.407-3	6.234-3	4.460-3	2.919-3	2.483-3	2.097-3	1.438-3
44	61	1.359-3	1.056-3	6.504-4	5.223-4	4.132-4	2.515-4	1.282-4	1.001-4	7.851-5	4.852-5
44	62	1.795-1	1.777-1	1.822-1	1.943-1	2.169-1	2.919-1	4.185-1	4.679-1	5.181-1	5.935-1
44	63	1.793-3	1.566-3	1.194-3	1.032-3	8.659-4	5.670-4	3.008-4	2.383-4	1.909-4	1.268-4
44	64	1.238-1	1.238-1	1.295-1	1.389-1	1.552-1	2.066-1	2.904-1	3.226-1	3.553-1	4.031-1
44	65	1.382-2	1.252-2	1.045-2	1.008-2	1.013-2	1.144-2	1.449-2	1.579-2	1.713-2	1.907-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
44	66	1.981-3	1.833-3	1.345-3	1.170-3	1.023-3	8.191-4	6.840-4	6.577-4	6.391-4	5.971-4
44	67	1.393-2	1.277-2	1.147-2	1.157-2	1.217-2	1.464-2	1.905-2	2.078-2	2.254-2	2.500-2
44	68	3.423-3	2.908-3	2.017-3	1.676-3	1.361-3	8.530-4	4.411-4	3.454-4	2.714-4	1.679-4
44	69	2.566-2	2.506-2	2.464-2	2.466-2	2.479-2	2.530-2	2.596-2	2.614-2	2.625-2	2.545-2
44	70	1.038-1	1.035-1	1.076-1	1.136-1	1.231-1	1.509-1	1.945-1	2.114-1	2.285-1	2.519-1
44	71	1.597-2	1.571-2	1.541-2	1.538-2	1.540-2	1.560-2	1.588-2	1.595-2	1.599-2	1.546-2
44	72	5.416-3	4.924-3	4.360-3	4.165-3	3.967-3	3.544-3	2.863-3	2.566-3	2.254-3	1.626-3
44	73	3.195-4	2.893-4	2.339-4	2.152-4	2.015-4	1.908-4	2.014-4	2.101-4	2.206-4	2.349-4
44	74	1.461-3	1.292-3	1.016-3	9.086-4	8.068-4	6.322-4	4.525-4	3.948-4	3.406-4	2.418-4
44	75	1.898-3	1.756-3	1.398-3	1.231-3	1.069-3	7.898-4	5.215-4	4.432-4	3.734-4	2.546-4
44	76	2.919-2	2.853-2	2.802-2	2.798-2	2.807-2	2.851-2	2.915-2	2.935-2	2.948-2	2.859-2
44	77	1.308-2	1.283-2	1.249-2	1.242-2	1.239-2	1.248-2	1.270-2	1.278-2	1.283-2	1.246-2
44	78	1.037-2	9.970-3	9.380-3	9.178-3	9.023-3	8.859-3	8.807-3	8.806-3	8.800-3	8.474-3
44	79	3.142-4	2.900-4	2.223-4	1.886-4	1.555-4	1.008-4	5.672-5	4.687-5	3.952-5	2.943-5
44	80	1.778-3	1.749-3	1.493-3	1.384-3	1.288-3	1.149-3	1.045-3	1.018-3	9.953-4	9.248-4
44	81	4.528-4	4.055-4	2.784-4	2.309-4	1.899-4	1.303-4	8.725-5	7.794-5	7.089-5	5.961-5
44	82	1.830-3	1.701-3	1.201-3	9.804-4	7.772-4	4.631-4	2.254-4	1.737-4	1.352-4	8.424-5
44	83	7.545-4	6.620-4	4.494-4	3.691-4	2.986-4	1.939-4	1.151-4	9.715-5	8.302-5	6.153-5
44	84	6.014-4	5.177-4	3.377-4	2.702-4	2.110-4	1.227-4	5.789-5	4.398-5	3.368-5	2.025-5
44	85	4.116-4	3.603-4	2.487-4	2.072-4	1.704-4	1.142-4	6.782-5	5.581-5	4.569-5	2.971-5
44	86	9.887-4	8.108-4	5.019-4	3.972-4	3.082-4	1.797-4	8.695-5	6.685-5	5.175-5	3.145-5
44	87	1.119-3	8.526-4	5.915-4	5.288-4	4.826-4	4.231-4	3.692-4	3.498-4	3.296-4	2.814-4
44	88	1.229-3	1.075-3	9.842-4	9.884-4	1.011-3	1.091-3	1.229-3	1.289-3	1.353-3	1.427-3
44	89	2.646-3	2.226-3	1.568-3	1.340-3	1.144-3	8.520-4	6.150-4	5.506-4	4.921-4	3.802-4
44	90	1.749-4	1.291-4	7.365-5	5.762-5	4.464-5	2.663-5	1.395-5	1.118-5	9.067-6	6.103-6
44	91	1.702-4	1.122-4	6.020-5	4.793-5	3.885-5	2.776-5	2.180-5	2.107-5	2.083-5	2.052-5
44	92	7.694-5	5.567-5	3.159-5	2.466-5	1.901-5	1.112-5	5.505-6	4.267-6	3.322-6	2.020-6
44	93	2.067-3	1.874-3	1.209-3	9.674-4	7.622-4	4.686-4	2.584-4	2.125-4	1.775-4	1.267-4
44	94	6.820-2	6.982-2	7.489-2	7.831-2	8.256-2	9.231-2	1.061-1	1.117-1	1.176-1	1.244-1
44	95	1.589-4	1.234-4	7.466-5	6.002-5	4.807-5	3.136-5	1.933-5	1.663-5	1.456-5	1.144-5
44	96	1.461-4	1.046-4	6.442-5	5.349-5	4.472-5	3.254-5	2.350-5	2.128-5	1.940-5	1.593-5
44	97	6.408-3	6.563-3	6.978-3	7.270-3	7.638-3	8.488-3	9.711-3	1.022-2	1.075-2	1.137-2
44	98	1.231-4	1.010-4	6.235-5	5.038-5	4.055-5	2.656-5	1.580-5	1.310-5	1.082-5	7.202-6
44	99	1.273-4	9.298-5	5.337-5	4.250-5	3.380-5	2.169-5	1.271-5	1.054-5	8.756-6	5.948-6
44	100	1.707-4	1.256-4	7.470-5	6.185-5	5.212-5	3.974-5	3.224-5	3.097-5	3.021-5	2.870-5
44	101	1.392-3	1.382-3	1.405-3	1.444-3	1.497-3	1.626-3	1.818-3	1.902-3	1.992-3	2.094-3
44	102	9.373-5	7.013-5	5.110-5	4.684-5	4.370-5	3.978-5	3.753-5	3.731-5	3.734-5	3.654-5
44	103	2.410-4	1.516-4	8.347-5	6.844-5	5.723-5	4.259-5	3.187-5	2.907-5	2.654-5	2.158-5
44	104	8.960-3	9.001-3	9.282-3	9.569-3	9.935-3	1.077-2	1.199-2	1.252-2	1.310-2	1.374-2
44	105	3.935-4	3.330-4	2.921-4	2.892-4	2.913-4	3.045-4	3.335-4	3.479-4	3.640-4	3.827-4
44	106	2.030-4	1.725-4	1.199-4	1.004-4	8.320-5	5.687-5	3.551-5	3.009-5	2.553-5	1.812-5
44	107	4.062-2	4.115-2	4.238-2	4.366-2	4.525-2	4.881-2	5.407-2	5.641-2	5.897-2	6.181-2
44	108	1.536-4	1.467-4	1.300-4	1.258-4	1.226-4	1.166-4	1.039-4	9.738-5	8.996-5	7.272-5
44	109	2.732-4	2.509-4	2.285-4	2.264-4	2.257-4	2.221-4	2.029-4	1.911-4	1.772-4	1.439-4
44	110	6.037-5	5.362-5	4.246-5	3.864-5	3.525-5	2.959-5	2.310-5	2.070-5	1.828-5	1.345-5
44	111	7.915-4	5.978-4	4.055-4	3.556-4	3.163-4	2.611-4	2.143-4	2.001-4	1.864-4	1.561-4
44	112	1.577-4	1.407-4	1.236-4	1.196-4	1.162-4	1.092-4	9.591-5	8.954-5	8.251-5	6.642-5
44	113	1.815-4	1.738-4	1.637-4	1.606-4	1.577-4	1.518-4	1.409-4	1.354-4	1.290-4	1.114-4
44	114	2.923-5	2.615-5	2.317-5	2.240-5	2.175-5	2.054-5	1.882-5	1.814-5	1.746-5	1.571-5
44	115	2.343-5	2.052-5	1.715-5	1.610-5	1.514-5	1.330-5	1.059-5	9.466-6	8.303-6	5.988-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
44	116	3.554-5	3.447-5	3.365-5	3.361-5	3.365-5	3.388-5	3.457-5	3.505-5	3.564-5	3.566-5
44	117	2.165-5	1.864-5	1.463-5	1.347-5	1.248-5	1.082-5	8.740-6	7.924-6	7.085-6	5.366-6
44	118	1.992-4	2.079-4	2.245-4	2.312-4	2.379-4	2.511-4	2.726-4	2.834-4	2.959-4	3.101-4
44	119	2.285-5	2.219-5	2.165-5	2.147-5	2.124-5	2.052-5	1.889-5	1.814-5	1.733-5	1.530-5
44	120	1.634-4	1.750-4	1.849-4	1.868-4	1.871-4	1.823-4	1.638-4	1.536-4	1.420-4	1.147-4
44	121	4.717-4	4.876-4	5.136-4	5.240-4	5.345-4	5.564-4	5.959-4	6.171-4	6.416-4	6.678-4
44	122	3.965-5	3.977-5	4.069-5	4.110-5	4.149-5	4.224-5	4.356-5	4.432-5	4.523-5	4.548-5
44	123	3.458-5	3.382-5	3.334-5	3.313-5	3.282-5	3.182-5	2.944-5	2.823-5	2.686-5	2.324-5
44	124	2.721-5	2.707-5	2.677-5	2.658-5	2.633-5	2.556-5	2.395-5	2.324-5	2.250-5	2.043-5
44	125	4.480-5	4.461-5	4.401-5	4.361-5	4.306-5	4.134-5	3.754-5	3.575-5	3.380-5	2.898-5
45	46	1.453-2	1.266-2	8.832-3	7.534-3	6.527-3	5.604-3	6.759-3	8.085-3	9.792-3	1.282-2
45	47	2.966-2	2.573-2	2.016-2	1.906-2	1.932-2	2.532-2	4.116-2	4.720-2	5.254-2	5.849-2
45	48	9.772-3	7.819-3	5.024-3	4.108-3	3.321-3	2.158-3	1.303-3	1.120-3	9.865-4	7.976-4
45	49	4.996-2	3.098-2	1.727-2	1.447-2	1.283-2	1.269-2	1.662-2	1.845-2	2.020-2	2.230-2
45	50	2.597-3	2.411-3	1.818-3	1.540-3	1.267-3	8.049-4	4.119-4	3.187-4	2.464-4	1.465-4
45	51	3.287-3	3.332-3	2.523-3	2.120-3	1.731-3	1.092-3	5.631-4	4.385-4	3.415-4	2.057-4
45	52	4.662-3	4.404-3	3.304-3	2.784-3	2.277-3	1.423-3	7.095-4	5.435-4	4.165-4	2.445-4
45	53	2.851-3	2.757-3	2.114-3	1.804-3	1.495-3	9.569-4	4.929-4	3.844-4	3.018-4	1.903-4
45	54	8.621-4	7.920-4	5.861-4	4.960-4	4.078-4	2.562-4	1.255-4	9.473-5	7.128-5	4.001-5
45	55	1.412-1	1.327-1	1.269-1	1.324-1	1.464-1	2.011-1	3.038-1	3.464-1	3.915-1	4.665-1
45	56	2.092-1	2.009-1	1.961-1	2.053-1	2.272-1	3.110-1	4.674-1	5.321-1	6.003-1	7.129-1
45	57	2.039-3	1.729-3	1.173-3	9.759-4	8.048-4	5.537-4	3.727-4	3.345-4	3.066-4	2.642-4
45	58	6.800-3	6.067-3	4.394-3	3.710-3	3.064-3	2.006-3	1.124-3	9.124-4	7.450-4	4.989-4
45	59	7.232-3	7.107-3	5.940-3	5.236-3	4.474-3	3.056-3	1.754-3	1.435-3	1.183-3	8.184-4
45	60	3.944-1	3.893-1	3.965-1	4.217-1	4.709-1	6.388-1	9.288-1	1.043-0	1.161-0	1.342-0
45	61	1.640-2	1.289-2	9.484-3	8.357-3	7.320-3	5.658-3	4.334-3	4.040-3	3.819-3	3.427-3
45	62	1.025-1	1.009-1	1.019-1	1.078-1	1.193-1	1.585-1	2.252-1	2.513-1	2.780-1	3.182-1
45	63	2.705-3	2.420-3	1.852-3	1.603-3	1.351-3	9.002-4	4.940-4	3.953-4	3.182-4	2.086-4
45	64	2.944-2	2.903-2	2.921-2	3.071-2	3.364-2	4.343-2	5.979-2	6.613-2	7.258-2	8.203-2
45	65	5.711-2	5.452-2	5.248-2	5.400-2	5.776-2	7.143-2	9.539-2	1.049-1	1.147-1	1.288-1
45	66	2.913-3	2.689-3	1.908-3	1.595-3	1.317-3	8.981-4	5.827-4	5.123-4	4.583-4	3.747-4
45	67	6.403-3	5.285-3	3.505-3	2.879-3	2.326-3	1.491-3	8.690-4	7.365-4	6.400-4	5.084-4
45	68	1.415-1	1.407-1	1.451-1	1.527-1	1.655-1	2.045-1	2.675-1	2.922-1	3.172-1	3.521-1
45	69	2.870-2	2.800-2	2.722-2	2.705-2	2.697-2	2.705-2	2.711-2	2.705-2	2.693-2	2.570-2
45	70	1.062-2	1.044-2	9.132-3	8.552-3	8.104-3	7.782-3	8.281-3	8.649-3	9.085-3	9.688-3
45	71	2.443-2	2.417-2	2.355-2	2.336-2	2.326-2	2.327-2	2.337-2	2.338-2	2.334-2	2.241-2
45	72	7.067-2	7.045-2	6.974-2	6.969-2	6.991-2	7.100-2	7.256-2	7.299-2	7.326-2	7.097-2
45	73	1.041-3	8.838-4	7.331-4	7.029-4	6.932-4	7.288-4	8.396-4	8.913-4	9.465-4	1.020-3
45	74	8.711-3	8.561-3	8.327-3	8.275-3	8.263-3	8.333-3	8.473-3	8.516-3	8.544-3	8.273-3
45	75	9.799-3	9.677-3	9.351-3	9.243-3	9.176-3	9.161-3	9.238-3	9.268-3	9.285-3	8.974-3
45	76	3.199-2	3.123-2	3.022-2	2.993-2	2.976-2	2.968-2	2.964-2	2.957-2	2.944-2	2.811-2
45	77	9.367-3	8.795-3	7.772-3	7.392-3	7.056-3	6.543-3	6.085-3	5.946-3	5.814-3	5.394-3
45	78	1.586-2	1.471-2	1.315-2	1.263-2	1.221-2	1.164-2	1.122-2	1.111-2	1.100-2	1.042-2
45	79	5.471-3	5.436-3	5.519-3	5.703-3	6.017-3	6.953-3	8.470-3	9.081-3	9.707-3	1.053-2
45	80	3.553-3	3.325-3	2.407-3	2.058-3	1.755-3	1.308-3	9.669-4	8.847-4	8.170-4	6.938-4
45	81	1.679-3	1.411-3	8.895-4	7.118-4	5.613-4	3.448-4	1.875-4	1.526-4	1.256-4	8.664-5
45	82	9.275-4	8.144-4	5.437-4	4.370-4	3.417-4	1.975-4	9.041-5	6.736-5	5.033-5	2.835-5
45	83	1.885-3	1.614-3	1.050-3	8.412-4	6.584-4	3.877-4	1.889-4	1.457-4	1.132-4	6.967-5
45	84	3.863-3	3.051-3	1.918-3	1.547-3	1.231-3	7.758-4	4.447-4	3.716-4	3.156-4	2.333-4
45	85	1.505-3	1.291-3	9.684-4	8.668-4	7.833-4	6.626-4	5.504-4	5.126-4	4.751-4	3.942-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
45	86	5.018-3	4.122-3	2.586-3	2.062-3	1.616-3	9.737-4	5.100-4	4.088-4	3.321-4	2.246-4
45	87	1.367-3	1.066-3	6.410-4	5.101-4	4.020-4	2.486-4	1.361-4	1.101-4	8.954-5	5.907-5
45	88	8.214-4	6.375-4	4.727-4	4.410-4	4.245-4	4.239-4	4.585-4	4.783-4	5.007-4	5.277-4
45	89	1.669-1	1.696-1	1.818-1	1.908-1	2.023-1	2.295-1	2.682-1	2.837-1	2.998-1	3.191-1
45	90	1.162-3	1.042-3	8.966-4	8.692-4	8.598-4	8.819-4	9.601-4	1.000-3	1.045-3	1.096-3
45	91	1.918-4	1.344-4	7.282-5	5.659-5	4.395-5	2.729-5	1.656-5	1.451-5	1.311-5	1.126-5
45	92	6.502-4	5.231-4	3.302-4	2.723-4	2.252-4	1.593-4	1.101-4	9.778-5	8.713-5	6.773-5
45	93	1.341-3	1.139-3	7.079-4	5.607-4	4.371-4	2.618-4	1.384-4	1.121-4	9.254-5	6.541-5
45	94	3.742-2	3.845-2	4.153-2	4.367-2	4.635-2	5.254-2	6.119-2	6.468-2	6.833-2	7.272-2
45	95	6.693-4	5.260-4	3.197-4	2.589-4	2.097-4	1.417-4	9.232-5	8.075-5	7.134-5	5.575-5
45	96	4.100-3	4.076-3	4.205-3	4.345-3	4.535-3	4.996-3	5.679-3	5.964-3	6.264-3	6.607-3
45	97	7.860-3	7.691-3	7.792-3	8.026-3	8.363-3	9.210-3	1.048-2	1.101-2	1.157-2	1.223-2
45	98	6.664-4	4.968-4	2.940-4	2.387-4	1.952-4	1.370-4	9.883-5	9.151-5	8.658-5	7.884-5
45	99	1.043-3	8.536-4	6.360-4	5.850-4	5.499-4	5.144-4	5.075-4	5.119-4	5.183-4	5.150-4
45	100	7.040-4	5.524-4	3.800-4	3.395-4	3.110-4	2.790-4	2.652-4	2.649-4	2.660-4	2.613-4
45	101	2.519-3	2.427-3	2.381-3	2.427-3	2.503-3	2.702-3	3.011-3	3.146-3	3.292-3	3.456-3
45	102	1.730-4	1.243-4	8.285-5	7.275-5	6.474-5	5.292-5	4.142-5	3.753-5	3.371-5	2.602-5
45	103	1.575-2	1.608-2	1.680-2	1.739-2	1.812-2	1.979-2	2.224-2	2.328-2	2.441-2	2.567-2
45	104	7.426-3	7.041-3	6.922-3	7.061-3	7.277-3	7.826-3	8.688-3	9.076-3	9.499-3	9.982-3
45	105	1.627-3	1.360-3	1.187-3	1.174-3	1.180-3	1.226-3	1.324-3	1.373-3	1.427-3	1.482-3
45	106	3.811-4	3.518-4	3.003-4	2.828-4	2.676-4	2.426-4	2.124-4	2.002-4	1.871-4	1.560-4
45	107	1.023-1	1.037-1	1.071-1	1.105-1	1.147-1	1.240-1	1.377-1	1.437-1	1.503-1	1.577-1
45	108	3.155-4	3.039-4	2.692-4	2.596-4	2.522-4	2.384-4	2.119-4	1.985-4	1.836-4	1.491-4
45	109	1.600-4	1.381-4	1.005-4	8.805-5	7.745-5	6.115-5	4.556-5	4.055-5	3.575-5	2.652-5
45	110	8.404-4	7.238-4	6.464-4	6.417-4	6.417-4	6.350-4	5.831-4	5.502-4	5.116-4	4.180-4
45	111	8.449-5	7.327-5	4.874-5	4.078-5	3.413-5	2.441-5	1.634-5	1.413-5	1.217-5	8.801-6
45	112	4.154-4	4.047-4	3.828-4	3.753-4	3.684-4	3.546-4	3.302-4	3.181-4	3.039-4	2.643-4
45	113	1.755-4	1.762-4	1.846-4	1.876-4	1.894-4	1.873-4	1.712-4	1.615-4	1.502-4	1.231-4
45	114	1.056-4	1.018-4	9.810-5	9.686-5	9.550-5	9.180-5	8.348-5	7.907-5	7.389-5	6.087-5
45	115	9.671-5	9.443-5	9.272-5	9.224-5	9.167-5	8.993-5	8.632-5	8.482-5	8.332-5	7.793-5
45	116	1.331-4	1.368-4	1.443-4	1.472-4	1.498-4	1.540-4	1.591-4	1.614-4	1.641-4	1.636-4
45	117	8.404-5	8.517-5	8.821-5	8.943-5	9.049-5	9.199-5	9.334-5	9.400-5	9.477-5	9.309-5
45	118	3.773-5	3.802-5	3.874-5	3.903-5	3.928-5	3.956-5	3.967-5	3.978-5	3.996-5	3.903-5
45	119	5.131-5	5.042-5	4.939-5	4.900-5	4.853-5	4.721-5	4.460-5	4.347-5	4.230-5	3.879-5
45	120	3.649-4	3.811-4	3.934-4	3.952-4	3.947-4	3.853-4	3.525-4	3.343-4	3.132-4	2.609-4
45	121	3.786-5	3.772-5	3.770-5	3.777-5	3.788-5	3.813-5	3.878-5	3.931-5	4.000-5	4.018-5
45	122	4.853-5	4.832-5	4.850-5	4.857-5	4.860-5	4.842-5	4.794-5	4.788-5	4.793-5	4.660-5
45	123	2.027-4	2.015-4	2.057-4	2.077-4	2.097-4	2.137-4	2.211-4	2.253-4	2.302-4	2.319-4
45	124	4.823-5	4.787-5	4.716-5	4.674-5	4.617-5	4.440-5	4.061-5	3.892-5	3.715-5	3.267-5
45	125	7.735-5	7.701-5	7.594-5	7.523-5	7.424-5	7.110-5	6.407-5	6.072-5	5.706-5	4.819-5
46	47	1.148-1	9.244-2	6.376-2	5.441-2	4.627-2	3.379-2	2.377-2	2.139-2	1.953-2	1.661-2
46	48	6.917-2	5.580-2	3.584-2	2.952-2	2.421-2	1.661-2	1.114-2	9.978-3	9.124-3	7.862-3
46	49	5.497-2	4.397-2	2.867-2	2.377-2	1.963-2	1.363-2	9.247-3	8.294-3	7.584-3	6.501-3
46	50	1.505-2	1.326-2	1.033-2	9.403-3	8.606-3	7.346-3	6.094-3	5.695-3	5.325-3	4.568-3
46	51	1.182-2	9.942-3	7.821-3	7.285-3	6.923-3	6.669-3	6.883-3	7.047-3	7.256-3	7.526-3
46	52	1.148-2	9.714-3	7.636-3	7.017-3	6.478-3	5.579-3	4.577-3	4.230-3	3.896-3	3.222-3
46	53	4.072-2	3.939-2	3.928-2	4.138-2	4.590-2	6.263-2	9.359-2	1.064-1	1.200-1	1.427-1
46	54	4.165-2	4.103-2	4.191-2	4.459-2	5.000-2	6.944-2	1.049-1	1.195-1	1.349-1	1.606-1
46	55	6.847-3	5.916-3	4.314-3	3.632-3	2.967-3	1.843-3	9.084-4	6.975-4	5.405-4	3.367-4
46	56	1.401-2	1.156-2	7.842-3	6.518-3	5.329-3	3.478-3	2.039-3	1.721-3	1.484-3	1.152-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
46	57	8.017-4	7.472-4	5.673-4	4.972-4	4.416-4	3.876-4	4.073-4	4.320-4	4.637-4	5.196-4
46	58	2.569-1	2.561-1	2.660-1	2.848-1	3.201-1	4.419-1	6.571-1	7.438-1	8.341-1	9.786-1
46	59	1.221-1	1.220-1	1.272-1	1.362-1	1.528-1	2.084-1	3.038-1	3.417-1	3.806-1	4.413-1
46	60	1.139-2	1.088-2	9.996-3	9.441-3	8.801-3	7.495-3	6.034-3	5.563-3	5.111-3	4.174-3
46	61	7.858-3	7.363-3	6.772-3	6.562-3	6.356-3	5.956-3	5.444-3	5.265-3	5.098-3	4.673-3
46	62	1.531-2	1.750-2	1.617-2	1.453-2	1.257-2	8.681-3	4.955-3	4.025-3	3.288-3	2.210-3
46	63	2.272-2	2.279-2	2.378-2	2.535-2	2.812-2	3.694-2	5.141-2	5.700-2	6.268-2	7.110-2
46	64	1.118-2	1.102-2	9.120-3	8.038-3	6.857-3	4.590-3	2.440-3	1.911-3	1.501-3	9.328-4
46	65	1.231-2	1.144-2	8.282-3	6.859-3	5.514-3	3.347-3	1.631-3	1.249-3	9.632-4	5.867-4
46	66	2.507-3	2.229-3	1.581-3	1.316-3	1.077-3	7.148-4	4.469-4	3.897-4	3.473-4	2.852-4
46	67	5.488-3	5.047-3	3.584-3	2.937-3	2.335-3	1.383-3	6.423-4	4.791-4	3.577-4	2.002-4
46	68	9.375-3	8.295-3	5.780-3	4.757-3	3.820-3	2.358-3	1.222-3	9.670-4	7.736-4	5.072-4
46	69	1.742-3	1.438-3	9.559-4	8.055-4	6.785-4	4.949-4	3.683-4	3.451-4	3.310-4	3.108-4
46	70	1.377-2	1.355-2	9.993-3	8.271-3	6.635-3	4.011-3	1.957-3	1.507-3	1.174-3	7.390-4
46	71	7.101-3	7.056-3	7.293-3	7.717-3	8.421-3	1.048-2	1.368-2	1.490-2	1.613-2	1.781-2
46	72	1.470-3	1.227-3	8.548-4	7.263-4	6.102-4	4.241-4	2.667-4	2.277-4	1.964-4	1.480-4
46	73	3.721-4	3.097-4	2.005-4	1.608-4	1.258-4	7.314-5	3.403-5	2.561-5	1.939-5	1.135-5
46	74	1.368-3	1.178-3	9.150-4	8.523-4	8.213-4	8.427-4	9.654-4	1.026-3	1.092-3	1.182-3
46	75	1.240-3	1.059-3	8.052-4	7.374-4	6.953-4	6.811-4	7.479-4	7.871-4	8.316-4	8.924-4
46	76	2.490-3	1.981-3	1.571-3	1.477-3	1.419-3	1.396-3	1.493-3	1.554-3	1.623-3	1.711-3
46	77	4.377-3	3.786-3	3.019-3	2.873-3	2.834-3	3.018-3	3.538-3	3.774-3	4.026-3	4.365-3
46	78	4.396-3	3.902-3	3.339-3	3.285-3	3.347-3	3.747-3	4.536-3	4.867-3	5.211-3	5.672-3
46	79	3.534-4	2.922-4	1.874-4	1.512-4	1.198-4	7.304-5	3.815-5	3.041-5	2.453-5	1.634-5
46	80	6.012-3	5.434-3	4.816-3	4.790-3	4.907-3	5.466-3	6.512-3	6.950-3	7.406-3	7.996-3
46	81	4.215-3	3.229-3	2.410-3	2.251-3	2.174-3	2.208-3	2.467-3	2.601-3	2.747-3	2.937-3
46	82	3.806-2	3.777-2	3.964-2	4.164-2	4.446-2	5.168-2	6.216-2	6.627-2	7.049-2	7.580-2
46	83	2.831-2	2.843-2	2.971-2	3.097-2	3.275-2	3.729-2	4.402-2	4.670-2	4.946-2	5.285-2
46	84	2.015-2	2.017-2	2.128-2	2.233-2	2.376-2	2.731-2	3.244-2	3.446-2	3.654-2	3.909-2
46	85	1.002-3	8.437-4	5.924-4	4.926-4	3.986-4	2.461-4	1.227-4	9.450-5	7.301-5	4.385-5
46	86	6.933-3	6.622-3	6.472-3	6.554-3	6.730-3	7.276-3	8.176-3	8.556-3	8.953-3	9.386-3
46	87	9.764-3	9.679-3	9.591-3	9.698-3	9.923-3	1.063-2	1.187-2	1.242-2	1.301-2	1.366-2
46	88	5.758-4	4.949-4	3.899-4	3.559-4	3.270-4	2.846-4	2.530-4	2.457-4	2.397-4	2.226-4
46	89	6.020-3	5.520-3	4.026-3	3.333-3	2.677-3	1.629-3	8.101-4	6.279-4	4.908-4	3.062-4
46	90	1.513-4	1.295-4	9.956-5	8.989-5	8.152-5	6.837-5	5.554-5	5.136-5	4.733-5	3.897-5
46	91	1.976-4	1.871-4	1.773-4	1.752-4	1.740-4	1.734-4	1.741-4	1.744-4	1.746-4	1.683-4
46	92	3.456-4	3.273-4	3.005-4	2.915-4	2.839-4	2.729-4	2.634-4	2.606-4	2.577-4	2.434-4
46	93	1.026-2	1.051-2	1.134-2	1.192-2	1.265-2	1.433-2	1.667-2	1.761-2	1.860-2	1.979-2
46	94	1.008-2	9.157-3	6.467-3	5.284-3	4.189-3	2.482-3	1.179-3	8.955-4	6.849-4	4.097-4
46	95	1.694-4	1.496-4	1.240-4	1.156-4	1.084-4	9.742-5	8.770-5	8.478-5	8.199-5	7.442-5
46	96	6.233-4	6.109-4	5.646-4	5.476-4	5.340-4	5.169-4	5.078-4	5.069-4	5.061-4	4.870-4
46	97	1.952-3	1.731-3	1.202-3	9.990-4	8.191-4	5.477-4	3.413-4	2.940-4	2.571-4	1.997-4
46	98	1.146-4	1.043-4	7.737-5	6.690-5	5.745-5	4.238-5	2.858-5	2.452-5	2.085-5	1.444-5
46	99	3.787-4	3.240-4	2.250-4	1.929-4	1.661-4	1.273-4	9.567-5	8.702-5	7.933-5	6.476-5
46	100	9.902-5	8.459-5	6.060-5	5.280-5	4.621-5	3.639-5	2.784-5	2.533-5	2.303-5	1.854-5
46	101	3.893-5	3.176-5	2.169-5	1.845-5	1.569-5	1.153-5	7.906-6	6.855-6	5.898-6	4.187-6
46	102	3.932-4	3.722-4	3.424-4	3.341-4	3.281-4	3.220-4	3.224-4	3.242-4	3.263-4	3.181-4
46	103	2.169-4	1.889-4	1.444-4	1.299-4	1.178-4	1.002-4	8.632-5	8.273-5	7.959-5	7.198-5
46	104	2.648-4	2.287-4	1.642-4	1.417-4	1.225-4	9.416-5	7.114-5	6.494-5	5.945-5	4.887-5
46	105	4.186-4	3.867-4	3.351-4	3.190-4	3.060-4	2.877-4	2.730-4	2.689-4	2.647-4	2.477-4
46	106	2.281-3	1.957-3	1.584-3	1.502-3	1.452-3	1.421-3	1.473-3	1.516-3	1.568-3	1.623-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
46	107	8.251-4	6.742-4	4.336-4	3.548-4	2.888-4	1.944-4	1.257-4	1.101-4	9.762-5	7.727-5
46	108	3.493-3	2.834-3	1.925-3	1.652-3	1.433-3	1.146-3	9.889-4	9.744-4	9.755-4	9.690-4
46	109	3.922-2	3.774-2	3.744-2	3.813-2	3.907-2	4.132-2	4.483-2	4.643-2	4.815-2	4.976-2
46	110	1.481-3	1.346-3	9.799-4	8.504-4	7.402-4	5.781-4	4.427-4	4.031-4	3.654-4	2.879-4
46	111	2.454-2	2.310-2	2.292-2	2.344-2	2.412-2	2.569-2	2.800-2	2.905-2	3.019-2	3.132-2
46	112	1.885-2	1.947-2	2.105-2	2.173-2	2.240-2	2.367-2	2.552-2	2.641-2	2.740-2	2.837-2
46	113	3.028-4	2.927-4	2.910-4	2.925-4	2.946-4	2.988-4	3.042-4	3.066-4	3.089-4	3.020-4
46	114	3.317-4	3.289-4	3.301-4	3.316-4	3.332-4	3.355-4	3.365-4	3.364-4	3.358-4	3.213-4
46	115	5.401-5	4.564-5	3.639-5	3.375-5	3.148-5	2.755-5	2.233-5	2.016-5	1.788-5	1.319-5
46	116	6.203-5	5.920-5	5.631-5	5.554-5	5.484-5	5.332-5	5.039-5	4.894-5	4.724-5	4.215-5
46	117	4.595-5	4.264-5	3.886-5	3.774-5	3.668-5	3.444-5	3.048-5	2.860-5	2.653-5	2.168-5
46	118	4.246-5	4.157-5	4.049-5	4.021-5	3.991-5	3.896-5	3.643-5	3.503-5	3.337-5	2.885-5
46	119	3.837-4	3.821-4	3.840-4	3.858-4	3.880-4	3.939-4	4.054-4	4.109-4	4.161-4	4.091-4
46	120	8.654-4	8.629-4	8.525-4	8.464-4	8.385-4	8.143-4	7.522-4	7.164-4	6.722-4	5.550-4
46	121	3.143-5	2.990-5	2.863-5	2.834-5	2.808-5	2.750-5	2.627-5	2.562-5	2.483-5	2.232-5
46	122	1.515-4	1.507-4	1.508-4	1.510-4	1.512-4	1.516-4	1.516-4	1.515-4	1.509-4	1.435-4
46	123	4.195-4	4.192-4	4.245-4	4.269-4	4.293-4	4.342-4	4.425-4	4.463-4	4.498-4	4.382-4
46	124	2.020-5	2.023-5	2.028-5	2.031-5	2.034-5	2.043-5	2.061-5	2.069-5	2.073-5	1.995-5
46	125	2.640-5	2.643-5	2.641-5	2.639-5	2.634-5	2.614-5	2.557-5	2.523-5	2.480-5	2.293-5
47	48	3.961-2	3.398-2	2.712-2	2.513-2	2.357-2	2.169-2	2.071-2	2.051-2	2.031-2	1.925-2
47	49	3.405-2	3.112-2	2.694-2	2.544-2	2.417-2	2.253-2	2.189-2	2.208-2	2.261-2	2.388-2
47	50	2.425-2	2.269-2	1.790-2	1.609-2	1.446-2	1.180-2	9.114-3	8.265-3	7.479-3	5.993-3
47	51	3.572-2	3.372-2	3.164-2	3.232-2	3.468-2	4.497-2	6.601-2	7.545-2	8.598-2	1.051-1
47	52	8.603-2	8.326-2	8.099-2	8.453-2	9.337-2	1.289-1	1.999-1	2.315-1	2.667-1	3.307-1
47	53	2.787-2	2.711-2	2.678-2	2.805-2	3.099-2	4.231-2	6.418-2	7.373-2	8.426-2	1.031-1
47	54	4.476-3	3.598-3	2.578-3	2.286-3	2.040-3	1.648-3	1.234-3	1.092-3	9.558-4	7.010-4
47	55	5.764-3	4.894-3	3.562-3	3.080-3	2.645-3	1.970-3	1.449-3	1.336-3	1.251-3	1.114-3
47	56	1.488-2	1.170-2	7.752-3	6.421-3	5.214-3	3.280-3	1.713-3	1.357-3	1.089-3	7.271-4
47	57	3.466-4	3.121-4	2.216-4	1.828-4	1.465-4	8.864-5	4.323-5	3.318-5	2.567-5	1.576-5
47	58	1.422-1	1.373-1	1.379-1	1.468-1	1.649-1	2.295-1	3.469-1	3.958-1	4.482-1	5.371-1
47	59	2.805-2	2.620-2	2.557-2	2.672-2	2.922-2	3.818-2	5.418-2	6.074-2	6.768-2	7.898-2
47	60	3.160-2	3.321-2	3.181-2	2.944-2	2.640-2	1.990-2	1.316-2	1.132-2	9.756-3	7.177-3
47	61	4.185-1	4.203-1	4.429-1	4.778-1	5.399-1	7.421-1	1.086-0	1.224-0	1.367-0	1.594-0
47	62	2.407-2	2.812-2	2.729-2	2.494-2	2.194-2	1.571-2	9.517-3	7.934-3	6.659-3	4.714-3
47	63	2.486-3	2.510-3	2.443-3	2.402-3	2.362-3	2.297-3	2.271-3	2.286-3	2.313-3	2.308-3
47	64	7.915-3	8.500-3	7.994-3	7.411-3	6.705-3	5.257-3	3.792-3	3.405-3	3.087-3	2.543-3
47	65	1.707-2	1.709-2	1.320-2	1.114-2	9.121-3	5.753-3	3.010-3	2.391-3	1.925-3	1.292-3
47	66	3.218-3	3.012-3	2.216-3	1.864-3	1.541-3	1.046-3	6.848-4	6.115-4	5.602-4	4.874-4
47	67	1.088-2	9.158-3	6.951-3	5.984-3	5.050-3	3.523-3	2.303-3	2.029-3	1.821-3	1.502-3
47	68	2.166-2	2.145-2	1.648-2	1.382-2	1.121-2	6.895-3	3.436-3	2.668-3	2.097-3	1.346-3
47	69	3.066-3	2.877-3	2.631-3	2.601-3	2.639-3	2.908-3	3.475-3	3.719-3	3.976-3	4.332-3
47	70	1.959-2	1.867-2	1.352-2	1.116-2	8.971-3	5.527-3	2.871-3	2.284-3	1.845-3	1.247-3
47	71	3.331-3	3.354-3	3.422-3	3.526-3	3.718-3	4.340-3	5.392-3	5.818-3	6.260-3	6.876-3
47	72	4.432-3	4.275-3	3.689-3	3.461-3	3.301-3	3.225-3	3.486-3	3.651-3	3.841-3	4.101-3
47	73	4.113-4	3.523-4	2.352-4	1.900-4	1.493-4	8.717-5	4.037-5	3.022-5	2.271-5	1.299-5
47	74	9.849-4	8.233-4	5.417-4	4.440-4	3.595-4	2.348-4	1.452-4	1.270-4	1.144-4	9.718-5
47	75	9.382-4	7.549-4	4.892-4	3.981-4	3.186-4	1.996-4	1.116-4	9.294-5	7.951-5	6.169-5
47	76	7.090-3	7.198-3	7.550-3	7.920-3	8.511-3	1.024-2	1.295-2	1.401-2	1.509-2	1.657-2
47	77	3.681-3	3.165-3	2.343-3	2.103-3	1.932-3	1.792-3	1.870-3	1.947-3	2.041-3	2.174-3
47	78	2.554-3	2.298-3	1.609-3	1.339-3	1.099-3	7.378-4	4.749-4	4.213-4	3.839-4	3.322-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
47	79	1.075-3	8.803-4	5.606-4	4.496-4	3.533-4	2.104-4	1.049-4	8.207-5	6.507-5	4.233-5
47	80	9.129-3	8.108-3	6.176-3	5.692-3	5.427-3	5.451-3	6.113-3	6.464-3	6.853-3	7.379-3
47	81	2.386-2	2.314-2	2.341-2	2.432-2	2.579-2	2.990-2	3.621-2	3.872-2	4.130-2	4.463-2
47	82	1.134-3	8.751-4	5.655-4	4.590-4	3.640-4	2.179-4	1.058-4	8.102-5	6.247-5	3.791-5
47	83	1.789-2	1.744-2	1.745-2	1.800-2	1.892-2	2.153-2	2.556-2	2.719-2	2.889-2	3.104-2
47	84	2.479-3	1.884-3	1.189-3	9.826-4	8.123-4	5.721-4	4.023-4	3.661-4	3.391-4	2.949-4
47	85	1.946-2	1.786-2	1.641-2	1.622-2	1.627-2	1.699-2	1.872-2	1.954-2	2.043-2	2.144-2
47	86	6.724-2	6.703-2	7.136-2	7.523-2	8.039-2	9.290-2	1.106-1	1.175-1	1.248-1	1.338-1
47	87	4.578-2	4.585-2	4.788-2	4.972-2	5.221-2	5.834-2	6.731-2	7.095-2	7.474-2	7.918-2
47	88	3.992-4	3.394-4	2.347-4	1.953-4	1.600-4	1.058-4	6.443-5	5.528-5	4.839-5	3.828-5
47	89	1.847-2	1.730-2	1.228-2	1.003-2	7.941-3	4.708-3	2.254-3	1.718-3	1.319-3	7.915-4
47	90	2.717-4	2.470-4	2.047-4	1.901-4	1.774-4	1.584-4	1.425-4	1.382-4	1.343-4	1.235-4
47	91	5.123-5	4.408-5	3.304-5	2.916-5	2.577-5	2.067-5	1.660-5	1.560-5	1.476-5	1.306-5
47	92	2.500-4	2.235-4	1.740-4	1.560-4	1.405-4	1.169-4	9.709-5	9.172-5	8.700-5	7.689-5
47	93	5.954-4	5.532-4	4.137-4	3.485-4	2.863-4	1.855-4	1.038-4	8.449-5	6.923-5	4.663-5
47	94	1.424-2	1.305-2	9.439-3	7.777-3	6.221-3	3.772-3	1.889-3	1.476-3	1.168-3	7.562-4
47	95	8.724-4	8.176-4	7.467-4	7.267-4	7.114-4	6.926-4	6.807-4	6.779-4	6.746-4	6.439-4
47	96	8.670-4	7.570-4	5.056-4	4.149-4	3.371-4	2.233-4	1.361-4	1.150-4	9.765-5	7.014-5
47	97	1.489-3	1.473-3	1.065-3	8.753-4	7.022-4	4.360-4	2.325-4	1.866-4	1.513-4	1.014-4
47	98	1.601-3	1.582-3	1.518-3	1.500-3	1.489-3	1.485-3	1.499-3	1.508-3	1.516-3	1.473-3
47	99	1.949-3	1.641-3	1.163-3	1.021-3	9.078-4	7.544-4	6.532-4	6.333-4	6.188-4	5.791-4
47	100	4.274-4	3.941-4	3.514-4	3.402-4	3.318-4	3.215-4	3.149-4	3.133-4	3.114-4	2.961-4
47	101	2.189-4	2.040-4	1.863-4	1.816-4	1.783-4	1.743-4	1.715-4	1.705-4	1.692-4	1.602-4
47	102	6.797-4	6.336-4	5.631-4	5.442-4	5.298-4	5.098-4	4.883-4	4.801-4	4.711-4	4.378-4
47	103	9.001-4	8.052-4	6.517-4	6.050-4	5.665-4	5.084-4	4.482-4	4.263-4	4.034-4	3.472-4
47	104	2.623-4	2.493-4	1.831-4	1.534-4	1.262-4	8.405-5	5.061-5	4.259-5	3.613-5	2.614-5
47	105	2.374-4	2.064-4	1.474-4	1.267-4	1.088-4	8.181-5	5.925-5	5.314-5	4.778-5	3.805-5
47	106	2.221-3	1.624-3	9.453-4	7.603-4	6.144-4	4.188-4	2.892-4	2.633-4	2.447-4	2.151-4
47	107	1.080-3	9.006-4	5.786-4	4.691-4	3.759-4	2.411-4	1.421-4	1.198-4	1.025-4	7.614-5
47	108	1.192-2	9.908-3	7.870-3	7.405-3	7.093-3	6.809-3	6.909-3	7.059-3	7.254-3	7.421-3
47	109	1.259-1	1.208-1	1.212-1	1.245-1	1.289-1	1.388-1	1.536-1	1.602-1	1.674-1	1.754-1
47	110	2.146-2	2.011-2	1.951-2	1.979-2	2.025-2	2.140-2	2.316-2	2.393-2	2.474-2	2.539-2
47	111	9.664-4	9.277-4	7.519-4	6.898-4	6.367-4	5.546-4	4.709-4	4.397-4	4.063-4	3.281-4
47	112	3.286-2	3.412-2	3.728-2	3.866-2	4.002-2	4.256-2	4.610-2	4.775-2	4.960-2	5.144-2
47	113	1.752-4	1.509-4	1.245-4	1.173-4	1.114-4	1.021-4	9.049-5	8.538-5	7.954-5	6.497-5
47	114	1.797-4	1.811-4	1.882-4	1.907-4	1.922-4	1.897-4	1.734-4	1.637-4	1.525-4	1.251-4
47	115	1.892-4	1.852-4	1.825-4	1.823-4	1.821-4	1.814-4	1.784-4	1.767-4	1.743-4	1.629-4
47	116	7.173-5	6.981-5	6.798-5	6.762-5	6.737-5	6.700-5	6.642-5	6.613-5	6.569-5	6.223-5
47	117	1.539-4	1.520-4	1.510-4	1.511-4	1.512-4	1.511-4	1.499-4	1.490-4	1.478-4	1.392-4
47	118	2.382-5	2.233-5	2.077-5	2.037-5	2.004-5	1.949-5	1.873-5	1.840-5	1.802-5	1.660-5
47	119	2.127-4	2.132-4	2.157-4	2.170-4	2.182-4	2.203-4	2.230-4	2.242-4	2.254-4	2.187-4
47	120	2.109-3	2.106-3	2.089-3	2.077-3	2.060-3	2.005-3	1.858-3	1.772-3	1.667-3	1.383-3
47	121	4.462-5	4.350-5	4.279-5	4.272-5	4.270-5	4.279-5	4.318-5	4.340-5	4.360-5	4.227-5
47	122	5.072-5	4.974-5	4.920-5	4.909-5	4.892-5	4.824-5	4.634-5	4.534-5	4.417-5	4.025-5
47	123	2.730-4	2.715-4	2.700-4	2.691-4	2.676-4	2.620-4	2.468-4	2.385-4	2.285-4	1.997-4
47	124	7.811-6	7.770-6	7.688-6	7.632-6	7.550-6	7.267-6	6.545-6	6.158-6	5.711-6	4.634-6
47	125	2.819-5	2.813-5	2.785-5	2.765-5	2.736-5	2.638-5	2.393-5	2.262-5	2.112-5	1.739-5
48	49	7.702-2	6.124-2	3.968-2	3.216-2	2.553-2	1.543-2	7.658-3	5.917-3	4.597-3	2.806-3
48	50	3.854-3	3.373-3	2.560-3	2.292-3	2.056-3	1.669-3	1.244-3	1.095-3	9.480-4	6.706-4
48	51	2.998-3	2.517-3	1.767-3	1.531-3	1.330-3	1.016-3	7.229-4	6.351-4	5.556-4	4.147-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
48	52	3.229-3	2.642-3	1.852-3	1.612-3	1.405-3	1.081-3	7.695-4	6.725-4	5.831-4	4.232-4
48	53	6.271-3	5.917-3	5.477-3	5.595-3	6.041-3	8.010-3	1.204-2	1.384-2	1.584-2	1.947-2
48	54	1.496-3	1.367-3	1.091-3	1.003-3	9.334-4	8.485-4	8.007-4	7.933-4	7.923-4	7.855-4
48	55	4.926-3	4.217-3	3.001-3	2.551-3	2.131-3	1.433-3	8.256-4	6.742-4	5.516-4	3.663-4
48	56	5.605-3	4.451-3	3.121-3	2.731-3	2.405-3	1.929-3	1.575-3	1.497-3	1.438-3	1.327-3
48	57	9.080-2	9.002-2	9.024-2	9.566-2	1.073-1	1.504-1	2.308-1	2.649-1	3.016-1	3.650-1
48	58	4.529-3	3.364-3	2.202-3	1.895-3	1.646-3	1.283-3	9.790-4	8.968-4	8.264-4	6.977-4
48	59	6.258-2	6.134-2	6.332-2	6.813-2	7.722-2	1.081-1	1.627-1	1.850-1	2.086-1	2.475-1
48	60	6.581-3	5.655-3	4.480-3	4.109-3	3.769-3	3.169-3	2.516-3	2.300-3	2.092-3	1.673-3
48	61	2.602-3	2.399-3	2.211-3	2.164-3	2.129-3	2.102-3	2.158-3	2.210-3	2.276-3	2.342-3
48	62	8.406-3	7.541-3	6.201-3	5.668-3	5.144-3	4.221-3	3.348-3	3.107-3	2.898-3	2.488-3
48	63	5.998-2	6.026-2	6.379-2	6.903-2	7.818-2	1.073-1	1.558-1	1.749-1	1.947-1	2.254-1
48	64	1.023-2	9.434-3	7.649-3	6.765-3	5.804-3	3.959-3	2.208-3	1.773-3	1.429-3	9.311-4
48	65	8.720-3	7.940-3	6.624-3	6.135-3	5.679-3	4.902-3	4.060-3	3.758-3	3.445-3	2.753-3
48	66	1.857-1	1.862-1	1.946-1	2.092-1	2.349-1	3.156-1	4.480-1	4.997-1	5.526-1	6.326-1
48	67	1.184-2	9.865-3	7.061-3	5.981-3	4.995-3	3.445-3	2.191-3	1.881-3	1.622-3	1.192-3
48	68	5.888-3	5.722-3	4.949-3	4.602-3	4.275-3	3.727-3	3.175-3	2.992-3	2.810-3	2.396-3
48	69	1.066-3	8.947-4	6.300-4	5.500-4	4.817-4	3.781-4	2.965-4	2.784-4	2.651-4	2.414-4
48	70	8.928-3	9.362-3	7.747-3	6.829-3	5.927-3	4.420-3	3.123-3	2.788-3	2.502-3	1.994-3
48	71	8.081-4	6.809-4	4.691-4	4.007-4	3.418-4	2.521-4	1.766-4	1.566-4	1.396-4	1.109-4
48	72	1.179-3	9.136-4	6.068-4	5.231-4	4.530-4	3.429-4	2.365-4	2.037-4	1.737-4	1.207-4
48	73	1.935-2	1.856-2	1.794-2	1.788-2	1.792-2	1.817-2	1.846-2	1.850-2	1.850-2	1.779-2
48	74	6.026-4	4.508-4	2.940-4	2.470-4	2.078-4	1.517-4	1.112-4	1.025-4	9.605-5	8.569-5
48	75	1.360-3	1.218-3	1.119-3	1.135-3	1.192-3	1.405-3	1.772-3	1.918-3	2.068-3	2.274-3
48	76	1.091-3	7.654-4	5.293-4	4.704-4	4.206-4	3.404-4	2.611-4	2.370-4	2.153-4	1.751-4
48	77	5.055-3	5.036-3	5.252-3	5.584-3	6.113-3	7.606-3	9.877-3	1.075-2	1.162-2	1.282-2
48	78	1.071-3	9.934-4	8.580-4	8.342-4	8.369-4	9.096-4	1.074-3	1.144-3	1.218-3	1.315-3
48	79	2.631-2	2.630-2	2.638-2	2.653-2	2.677-2	2.736-2	2.790-2	2.800-2	2.802-2	2.697-2
48	80	6.830-4	5.653-4	3.544-4	2.827-4	2.217-4	1.333-4	6.921-5	5.529-5	4.488-5	3.072-5
48	81	5.033-4	4.127-4	2.803-4	2.340-4	1.930-4	1.295-4	7.676-5	6.317-5	5.180-5	3.394-5
48	82	1.302-3	1.117-3	8.981-4	8.284-4	7.688-4	6.805-4	6.083-4	5.880-4	5.686-4	5.157-4
48	83	3.045-3	3.052-3	2.793-3	2.669-3	2.556-3	2.392-3	2.312-3	2.317-3	2.335-3	2.308-3
48	84	4.322-3	4.317-3	4.599-3	4.886-3	5.285-3	6.289-3	7.728-3	8.284-3	8.849-3	9.573-3
48	85	2.662-4	2.129-4	1.416-4	1.176-4	9.609-5	6.239-5	3.510-5	2.862-5	2.355-5	1.622-5
48	86	6.674-3	6.667-3	6.959-3	7.264-3	7.692-3	8.772-3	1.035-2	1.099-2	1.164-2	1.244-2
48	87	5.857-4	5.110-4	3.529-4	2.905-4	2.343-4	1.477-4	8.062-5	6.509-5	5.289-5	3.503-5
48	88	2.627-4	2.260-4	1.790-4	1.645-4	1.523-4	1.336-4	1.155-4	1.096-4	1.038-4	9.059-5
48	89	1.159-3	9.219-4	6.146-4	5.107-4	4.200-4	2.835-4	1.786-4	1.541-4	1.346-4	1.037-4
48	90	1.683-4	1.516-4	1.310-4	1.245-4	1.185-4	1.069-4	8.916-5	8.145-5	7.331-5	5.629-5
48	91	6.197-5	5.086-5	3.836-5	3.477-5	3.170-5	2.665-5	2.070-5	1.844-5	1.615-5	1.163-5
48	92	1.434-4	1.247-4	1.049-4	9.886-5	9.326-5	8.245-5	6.623-5	5.929-5	5.204-5	3.744-5
48	93	1.376-2	1.413-2	1.532-2	1.613-2	1.712-2	1.939-2	2.253-2	2.379-2	2.511-2	2.669-2
48	94	3.280-3	3.065-3	2.215-3	1.846-3	1.510-3	9.913-4	5.865-4	4.916-4	4.157-4	2.985-4
48	95	2.936-5	2.436-5	1.660-5	1.404-5	1.183-5	8.480-6	5.584-6	4.770-6	4.048-6	2.815-6
48	96	1.128-3	1.128-3	1.132-3	1.137-3	1.145-3	1.166-3	1.197-3	1.209-3	1.221-3	1.194-3
48	97	1.324-3	1.015-3	6.948-4	6.100-4	5.434-4	4.543-4	3.946-4	3.821-4	3.724-4	3.463-4
48	98	2.288-5	1.752-5	1.148-5	9.643-6	8.077-6	5.699-6	3.705-6	3.182-6	2.742-6	2.023-6
48	99	1.289-4	1.199-4	1.053-4	1.003-4	9.584-5	8.759-5	7.596-5	7.115-5	6.614-5	5.494-5
48	100	7.401-5	6.640-5	5.380-5	4.999-5	4.690-5	4.257-5	3.920-5	3.829-5	3.743-5	3.463-5
48	101	3.721-5	3.281-5	2.438-5	2.119-5	1.833-5	1.388-5	1.025-5	9.336-6	8.563-6	7.132-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
48	102	3.598-5	2.887-5	2.017-5	1.748-5	1.518-5	1.160-5	8.239-6	7.198-6	6.228-6	4.460-6
48	103	1.834-4	1.737-4	1.610-4	1.566-4	1.522-4	1.426-4	1.257-4	1.181-4	1.099-4	9.158-5
48	104	3.378-4	2.903-4	2.008-4	1.664-4	1.356-4	8.840-5	5.160-5	4.288-5	3.587-5	2.500-5
48	105	1.636-4	1.445-4	1.199-4	1.133-4	1.082-4	1.003-4	9.067-5	8.678-5	8.269-5	7.250-5
48	106	4.977-4	4.289-4	3.522-4	3.368-4	3.284-4	3.261-4	3.423-4	3.533-4	3.663-4	3.802-4
48	107	1.098-3	9.949-4	7.114-4	5.899-4	4.789-4	3.072-4	1.733-4	1.419-4	1.168-4	7.900-5
48	108	2.121-4	1.639-4	9.683-5	7.642-5	5.970-5	3.632-5	1.965-5	1.596-5	1.312-5	9.014-6
48	109	1.123-3	9.202-4	7.629-4	7.243-4	6.930-4	6.423-4	5.749-4	5.438-4	5.076-4	4.158-4
48	110	9.174-5	7.512-5	4.581-5	3.625-5	2.825-5	1.681-5	8.472-6	6.598-6	5.150-6	3.120-6
48	111	2.551-2	2.386-2	2.378-2	2.442-2	2.525-2	2.713-2	2.994-2	3.121-2	3.260-2	3.412-2
48	112	1.947-3	1.979-3	2.079-3	2.124-3	2.167-3	2.245-3	2.339-3	2.380-3	2.422-3	2.413-3
48	113	3.310-4	3.009-4	2.741-4	2.686-4	2.651-4	2.633-4	2.707-4	2.767-4	2.842-4	2.897-4
48	114	1.004-5	8.729-6	7.045-6	6.531-6	6.083-6	5.312-6	4.339-6	3.955-6	3.559-6	2.738-6
48	115	9.835-6	8.089-6	5.770-6	5.016-6	4.365-6	3.346-6	2.361-6	2.049-6	1.756-6	1.227-6
48	116	1.455-5	1.403-5	1.363-5	1.354-5	1.341-5	1.292-5	1.163-5	1.096-5	1.021-5	8.414-6
48	117	9.825-6	8.024-6	6.054-6	5.509-6	5.051-6	4.304-6	3.413-6	3.068-6	2.715-6	2.003-6
48	118	3.643-5	3.661-5	3.677-5	3.673-5	3.659-5	3.585-5	3.364-5	3.242-5	3.097-5	2.687-5
48	119	6.641-6	5.686-6	4.531-6	4.173-6	3.858-6	3.322-6	2.678-6	2.439-6	2.201-6	1.726-6
48	120	2.344-3	2.425-3	2.537-3	2.579-3	2.619-3	2.700-3	2.842-3	2.918-3	3.005-3	3.071-3
48	121	1.203-5	1.155-5	1.043-5	1.005-5	9.701-6	9.057-6	8.118-6	7.699-6	7.229-6	6.062-6
48	122	3.552-5	3.556-5	3.630-5	3.642-5	3.630-5	3.515-5	3.151-5	2.955-5	2.732-5	2.208-5
48	123	1.087-5	9.828-6	8.610-6	8.254-6	7.931-6	7.299-6	6.276-6	5.804-6	5.287-6	4.131-6
48	124	6.685-5	6.698-5	6.723-5	6.739-5	6.761-5	6.829-5	6.988-5	7.070-5	7.148-5	7.002-5
48	125	1.339-4	1.342-4	1.346-4	1.349-4	1.352-4	1.363-4	1.391-4	1.405-4	1.419-4	1.386-4
49	50	3.537-3	3.180-3	2.489-3	2.246-3	2.028-3	1.661-3	1.247-3	1.099-3	9.530-4	6.753-4
49	51	2.705-3	2.316-3	1.664-3	1.450-3	1.263-3	9.674-4	6.893-4	6.056-4	5.298-4	3.953-4
49	52	2.725-3	2.276-3	1.656-3	1.459-3	1.286-3	1.007-3	7.260-4	6.354-4	5.507-4	3.974-4
49	53	4.605-3	4.336-3	3.940-3	3.967-3	4.209-3	5.415-3	8.020-3	9.224-3	1.059-2	1.313-2
49	54	1.374-3	1.273-3	1.029-3	9.473-4	8.806-4	7.938-4	7.368-4	7.255-4	7.205-4	7.089-4
49	55	3.523-3	3.197-3	2.422-3	2.055-3	1.688-3	1.049-3	5.024-4	3.767-4	2.822-4	1.588-4
49	56	3.196-3	2.590-3	1.724-3	1.425-3	1.152-3	7.131-4	3.528-4	2.704-4	2.084-4	1.264-4
49	57	1.087-1	1.077-1	1.084-1	1.153-1	1.302-1	1.849-1	2.881-1	3.325-1	3.808-1	4.660-1
49	58	3.800-3	2.909-3	1.998-3	1.747-3	1.539-3	1.228-3	9.530-4	8.746-4	8.055-4	6.759-4
49	59	4.833-2	4.752-2	4.915-2	5.296-2	6.017-2	8.475-2	1.285-1	1.466-1	1.659-1	1.983-1
49	60	4.690-3	4.046-3	3.065-3	2.729-3	2.424-3	1.919-3	1.429-3	1.280-3	1.139-3	8.687-4
49	61	3.017-3	2.704-3	2.411-3	2.327-3	2.259-3	2.176-3	2.183-3	2.222-3	2.276-3	2.324-3
49	62	8.233-3	7.551-3	5.597-3	4.770-3	3.984-3	2.685-3	1.599-3	1.341-3	1.139-3	8.362-4
49	63	4.563-2	4.582-2	4.849-2	5.252-2	5.957-2	8.208-2	1.198-1	1.348-1	1.503-1	1.749-1
49	64	7.064-3	6.532-3	5.081-3	4.411-3	3.716-3	2.423-3	1.222-3	9.317-4	7.087-4	4.092-4
49	65	1.966-2	1.656-2	1.198-2	1.042-2	9.055-3	6.947-3	5.139-3	4.627-3	4.156-3	3.244-3
49	66	2.144-1	2.150-1	2.249-1	2.421-1	2.723-1	3.672-1	5.234-1	5.848-1	6.478-1	7.443-1
49	67	1.716-2	1.463-2	1.040-2	8.830-3	7.424-3	5.249-3	3.483-3	3.033-3	2.647-3	1.977-3
49	68	8.133-3	7.571-3	6.604-3	6.226-3	5.876-3	5.291-3	4.700-3	4.502-3	4.302-3	3.798-3
49	69	6.572-4	5.295-4	3.484-4	2.904-4	2.386-4	1.559-4	8.733-5	7.124-5	5.888-5	4.154-5
49	70	9.262-3	9.531-3	7.928-3	7.038-3	6.171-3	4.734-3	3.492-3	3.164-3	2.881-3	2.353-3
49	71	2.113-3	1.979-3	1.874-3	1.936-3	2.078-3	2.555-3	3.345-3	3.656-3	3.972-3	4.420-3
49	72	9.497-4	6.981-4	4.142-4	3.371-4	2.737-4	1.797-4	1.034-4	8.436-5	6.875-5	4.503-5
49	73	2.126-2	2.037-2	1.966-2	1.959-2	1.963-2	1.991-2	2.022-2	2.026-2	2.025-2	1.947-2
49	74	3.338-3	3.206-3	3.266-3	3.469-3	3.811-3	4.811-3	6.361-3	6.958-3	7.562-3	8.409-3
49	75	1.541-3	1.391-3	1.305-3	1.344-3	1.436-3	1.743-3	2.248-3	2.446-3	2.648-3	2.929-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
49	76	6.573-4	4.549-4	2.859-4	2.384-4	1.970-4	1.314-4	7.504-5	6.067-5	4.896-5	3.137-5
49	77	9.817-4	8.208-4	5.260-4	4.250-4	3.385-4	2.118-4	1.194-4	9.965-5	8.516-5	6.537-5
49	78	1.249-2	1.245-2	1.317-2	1.414-2	1.562-2	1.970-2	2.583-2	2.818-2	3.054-2	3.379-2
49	79	2.851-2	2.849-2	2.859-2	2.875-2	2.901-2	2.965-2	3.021-2	3.029-2	3.029-2	2.911-2
49	80	8.206-4	6.460-4	3.841-4	3.025-4	2.348-4	1.383-4	6.860-5	5.321-5	4.149-5	2.539-5
49	81	9.126-4	6.670-4	4.333-4	3.707-4	3.198-4	2.458-4	1.827-4	1.640-4	1.462-4	1.115-4
49	82	6.501-3	6.429-3	6.761-3	7.139-3	7.680-3	9.079-3	1.113-2	1.194-2	1.276-2	1.382-2
49	83	1.326-2	1.333-2	1.422-2	1.509-2	1.632-2	1.944-2	2.397-2	2.574-2	2.754-2	2.988-2
49	84	1.131-3	1.035-3	9.584-4	9.660-4	9.968-4	1.106-3	1.285-3	1.356-3	1.430-3	1.516-3
49	85	4.398-4	3.092-4	1.876-4	1.538-4	1.250-4	8.136-5	4.614-5	3.752-5	3.056-5	2.008-5
49	86	2.222-2	2.259-2	2.455-2	2.608-2	2.808-2	3.289-2	3.969-2	4.235-2	4.509-2	4.855-2
49	87	6.631-4	6.346-4	4.698-4	3.961-4	3.281-4	2.216-4	1.364-4	1.156-4	9.855-5	7.091-5
49	88	1.961-4	1.674-4	1.312-4	1.197-4	1.100-4	9.605-5	8.561-5	8.320-5	8.123-5	7.558-5
49	89	1.978-3	1.591-3	1.152-3	9.946-4	8.500-4	6.181-4	4.209-4	3.690-4	3.239-4	2.445-4
49	90	3.574-4	3.507-4	3.418-4	3.400-4	3.392-4	3.396-4	3.404-4	3.405-4	3.400-4	3.263-4
49	91	2.179-5	1.716-5	1.144-5	9.684-6	8.205-6	6.027-6	4.276-6	3.813-6	3.405-6	2.652-6
49	92	3.507-5	2.853-5	1.861-5	1.544-5	1.274-5	8.721-6	5.395-6	4.512-6	3.758-6	2.534-6
49	93	4.184-3	4.252-3	4.457-3	4.600-3	4.779-3	5.195-3	5.784-3	6.025-3	6.276-3	6.524-3
49	94	2.158-3	2.044-3	1.531-3	1.275-3	1.029-3	6.295-4	3.134-4	2.425-4	1.890-4	1.169-4
49	95	4.529-5	3.507-5	2.266-5	1.897-5	1.589-5	1.129-5	7.359-6	6.262-6	5.297-6	3.669-6
49	96	1.844-4	1.802-4	1.710-4	1.680-4	1.655-4	1.618-4	1.575-4	1.558-4	1.537-4	1.442-4
49	97	4.261-4	3.731-4	2.580-4	2.135-4	1.737-4	1.131-4	6.621-5	5.534-5	4.676-5	3.377-5
49	98	3.445-5	2.597-5	1.722-5	1.469-5	1.255-5	9.318-6	6.564-6	5.827-6	5.202-6	4.141-6
49	99	3.536-4	3.417-4	3.261-4	3.219-4	3.190-4	3.162-4	3.163-4	3.171-4	3.177-4	3.069-4
49	100	4.493-5	3.663-5	2.532-5	2.194-5	1.915-5	1.511-5	1.184-5	1.094-5	1.012-5	8.460-6
49	101	8.958-5	8.997-5	8.446-5	8.132-5	7.823-5	7.278-5	6.637-5	6.392-5	6.131-5	5.420-5
49	102	2.961-5	2.594-5	1.930-5	1.679-5	1.450-5	1.080-5	7.308-6	6.265-6	5.321-6	3.682-6
49	103	6.424-4	6.403-4	6.350-4	6.349-4	6.355-4	6.359-4	6.289-4	6.238-4	6.169-4	5.795-4
49	104	2.508-4	2.012-4	1.298-4	1.055-4	8.459-5	5.358-5	3.012-5	2.467-5	2.033-5	1.376-5
49	105	3.154-4	3.048-4	2.889-4	2.853-4	2.832-4	2.821-4	2.844-4	2.860-4	2.876-4	2.797-4
49	106	3.311-4	2.707-4	1.800-4	1.513-4	1.277-4	9.505-5	7.393-5	7.034-5	6.824-5	6.462-5
49	107	8.051-4	7.044-4	4.876-4	4.051-4	3.323-4	2.222-4	1.363-4	1.153-4	9.793-5	6.966-5
49	108	2.330-4	1.879-4	1.130-4	8.921-5	6.956-5	4.198-5	2.241-5	1.812-5	1.482-5	1.010-5
49	109	7.750-4	6.434-4	4.980-4	4.556-4	4.205-4	3.675-4	3.139-4	2.939-4	2.723-4	2.210-4
49	110	8.697-5	6.693-5	3.921-5	3.081-5	2.392-5	1.423-5	7.235-6	5.661-6	4.440-6	2.712-6
49	111	1.616-2	1.508-2	1.500-2	1.542-2	1.595-2	1.717-2	1.899-2	1.981-2	2.070-2	2.169-2
49	112	6.496-3	6.712-3	7.272-3	7.513-3	7.746-3	8.175-3	8.755-3	9.019-3	9.308-3	9.532-3
49	113	7.013-4	7.013-4	7.210-4	7.317-4	7.431-4	7.676-4	8.117-4	8.353-4	8.624-4	8.857-4
49	114	5.416-6	4.562-6	3.380-6	3.014-6	2.700-6	2.191-6	1.641-6	1.451-6	1.268-6	9.219-7
49	115	6.036-6	4.968-6	3.356-6	2.812-6	2.343-6	1.632-6	1.022-6	8.529-7	7.062-7	4.663-7
49	116	9.507-6	9.529-6	9.656-6	9.681-6	9.654-6	9.370-6	8.443-6	7.944-6	7.379-6	6.041-6
49	117	6.458-6	5.618-6	4.521-6	4.195-6	3.922-6	3.506-6	3.108-6	2.982-6	2.863-6	2.564-6
49	118	1.406-5	1.403-5	1.391-5	1.383-5	1.371-5	1.333-5	1.239-5	1.190-5	1.131-5	9.710-6
49	119	5.948-6	4.902-6	3.448-6	2.994-6	2.611-6	2.027-6	1.489-6	1.326-6	1.175-6	8.974-7
49	120	9.033-4	9.263-4	9.486-4	9.565-4	9.646-4	9.826-4	1.019-3	1.040-3	1.063-3	1.073-3
49	121	1.027-5	9.464-6	8.025-6	7.569-6	7.177-6	6.523-6	5.695-6	5.344-6	4.956-6	4.033-6
49	122	2.475-5	2.457-5	2.475-5	2.473-5	2.457-5	2.371-5	2.122-5	1.988-5	1.836-5	1.476-5
49	123	2.659-5	2.539-5	2.460-5	2.442-5	2.421-5	2.362-5	2.227-5	2.160-5	2.084-5	1.865-5
49	124	1.226-4	1.229-4	1.233-4	1.236-4	1.239-4	1.249-4	1.275-4	1.288-4	1.301-4	1.272-4
49	125	1.030-4	1.033-4	1.036-4	1.038-4	1.042-4	1.052-4	1.075-4	1.087-4	1.098-4	1.075-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
50	51	3.098-2	2.983-2	2.802-2	2.731-2	2.662-2	2.530-2	2.350-2	2.294-2	2.261-2	2.224-2
50	52	1.015-1	1.004-1	9.095-2	8.592-2	8.069-2	7.104-2	6.150-2	5.919-2	5.786-2	5.674-2
50	53	1.156-2	1.109-2	1.025-2	9.904-3	9.529-3	8.656-3	7.201-3	6.601-3	6.002-3	4.816-3
50	54	5.585-3	5.340-3	4.966-3	4.815-3	4.650-3	4.263-3	3.615-3	3.350-3	3.090-3	2.569-3
50	55	8.955-5	8.261-5	6.285-5	5.328-5	4.364-5	2.681-5	1.235-5	9.032-6	6.560-6	3.412-6
50	56	1.165-3	1.030-3	7.417-4	6.205-4	5.038-4	3.080-4	1.446-4	1.074-4	7.961-5	4.373-5
50	57	2.402-4	2.224-4	1.605-4	1.331-4	1.076-4	6.689-5	3.410-5	2.643-5	2.045-5	1.210-5
50	58	6.619-2	5.686-2	4.838-2	4.571-2	4.315-2	3.821-2	3.191-2	2.960-2	2.734-2	2.273-2
50	59	1.351-2	1.305-2	1.235-2	1.198-2	1.153-2	1.038-2	8.309-3	7.400-3	6.459-3	4.605-3
50	60	7.251-3	6.757-3	5.340-3	4.609-3	3.851-3	2.489-3	1.272-3	9.803-4	7.551-4	4.481-4
50	61	4.832-2	4.934-2	4.620-2	4.356-2	4.041-2	3.350-2	2.452-2	2.137-2	1.837-2	1.292-2
50	62	1.536-3	1.510-3	1.218-3	1.045-3	8.628-4	5.385-4	2.570-4	1.915-4	1.421-4	7.739-5
50	63	7.138-3	7.048-3	6.835-3	6.691-3	6.498-3	5.940-3	4.812-3	4.295-3	3.751-3	2.664-3
50	64	8.929-4	8.557-4	6.271-4	5.351-4	4.515-4	3.171-4	1.977-4	1.649-4	1.366-4	9.040-5
50	65	3.276-3	3.319-3	2.617-3	2.210-3	1.800-3	1.105-3	5.344-4	4.059-4	3.097-4	1.838-4
50	66	8.042-4	7.878-4	5.879-4	4.959-4	4.102-4	2.744-4	1.645-4	1.378-4	1.159-4	8.130-5
50	67	1.654-3	1.492-3	1.116-3	9.456-4	7.815-4	5.106-4	2.817-4	2.252-4	1.796-4	1.120-4
50	68	7.000-3	6.185-3	4.621-3	3.876-3	3.142-3	1.910-3	9.032-4	6.766-4	5.073-4	2.869-4
50	69	1.956-3	1.808-3	1.427-3	1.222-3	1.011-3	6.366-4	3.156-4	2.420-4	1.868-4	1.143-4
50	70	3.007-3	2.847-3	2.220-3	1.880-3	1.537-3	9.483-4	4.563-4	3.431-4	2.573-4	1.435-4
50	71	1.809-3	1.823-3	1.680-3	1.590-3	1.489-3	1.277-3	1.000-3	8.979-4	7.960-4	5.935-4
50	72	4.344-2	5.765-2	6.019-2	5.594-2	4.961-2	3.500-2	1.962-2	1.568-2	1.256-2	8.087-3
50	73	7.616-5	6.657-5	4.761-5	3.929-5	3.136-5	1.851-5	8.316-6	6.068-6	4.408-6	2.304-6
50	74	7.446-4	7.261-4	5.499-4	4.616-4	3.769-4	2.390-4	1.264-4	9.986-5	7.926-5	5.032-5
50	75	4.225-4	4.114-4	3.113-4	2.610-4	2.123-4	1.324-4	6.741-5	5.256-5	4.130-5	2.612-5
50	76	1.531-2	1.667-2	1.539-2	1.419-2	1.277-2	9.911-3	6.973-3	6.143-3	5.415-3	4.123-3
50	77	6.575-3	5.935-3	5.081-3	4.760-3	4.454-3	3.909-3	3.269-3	3.024-3	2.764-3	2.186-3
50	78	4.965-3	4.800-3	4.303-3	4.070-3	3.837-3	3.401-3	2.867-3	2.659-3	2.438-3	1.936-3
50	79	1.068-2	8.600-3	5.544-3	4.473-3	3.536-3	2.139-3	1.099-3	8.691-4	6.939-4	4.485-4
50	80	5.758-3	5.075-3	3.399-3	2.732-3	2.137-3	1.236-3	5.656-4	4.205-4	3.131-4	1.749-4
50	81	1.631-2	1.524-2	1.000-2	7.982-3	6.241-3	3.715-3	1.904-3	1.516-3	1.227-3	8.334-4
50	82	7.463-4	6.482-4	4.126-4	3.318-4	2.636-4	1.648-4	9.010-5	7.243-5	5.832-5	3.750-5
50	83	1.737-3	1.423-3	8.785-4	7.018-4	5.531-4	3.377-4	1.765-4	1.392-4	1.100-4	6.827-5
50	84	1.418-3	1.162-3	7.055-4	5.566-4	4.323-4	2.550-4	1.267-4	9.819-5	7.634-5	4.620-5
50	85	1.999-2	1.778-2	1.160-2	9.306-3	7.308-3	4.341-3	2.148-3	1.670-3	1.311-3	8.290-4
50	86	9.216-4	7.585-4	4.720-4	3.753-4	2.925-4	1.714-4	8.217-5	6.248-5	4.758-5	2.758-5
50	87	3.126-3	2.729-3	1.802-3	1.453-3	1.147-3	6.898-4	3.485-4	2.732-4	2.163-4	1.388-4
50	88	2.107-4	1.675-4	1.080-4	8.748-5	6.931-5	4.146-5	1.992-5	1.507-5	1.140-5	6.512-6
50	89	2.457-3	2.631-3	2.172-3	1.848-3	1.510-3	9.237-4	4.364-4	3.262-4	2.437-4	1.363-4
50	90	5.670-4	4.355-4	2.631-4	2.094-4	1.638-4	9.674-5	4.681-5	3.576-5	2.740-5	1.618-5
50	91	6.912-5	4.894-5	2.764-5	2.177-5	1.698-5	1.021-5	5.191-6	4.040-6	3.146-6	1.894-6
50	92	1.466-1	1.494-1	1.613-1	1.701-1	1.813-1	2.075-1	2.440-1	2.586-1	2.738-1	2.928-1
50	93	2.448-4	1.829-4	1.103-4	9.004-5	7.358-5	4.998-5	3.085-5	2.572-5	2.129-5	1.406-5
50	94	2.182-3	1.908-3	1.401-3	1.170-3	9.458-4	5.764-4	2.770-4	2.088-4	1.572-4	8.838-5
50	95	2.927-2	2.877-2	3.000-2	3.136-2	3.318-2	3.756-2	4.375-2	4.627-2	4.892-2	5.221-2
50	96	1.103-3	1.015-3	7.218-4	5.927-4	4.723-4	2.822-4	1.346-4	1.019-4	7.755-5	4.557-5
50	97	7.146-4	6.089-4	4.070-4	3.304-4	2.617-4	1.565-4	7.565-5	5.744-5	4.358-5	2.491-5
50	98	1.698-1	1.734-1	1.844-1	1.924-1	2.027-1	2.267-1	2.606-1	2.746-1	2.893-1	3.068-1
50	99	1.833-3	1.618-3	1.111-3	9.057-4	7.193-4	4.329-4	2.151-4	1.670-4	1.308-4	8.200-5
50	100	2.011-4	1.665-4	1.127-4	9.298-5	7.538-5	4.855-5	2.804-5	2.346-5	1.998-5	1.499-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
50	101	3.579-5	2.958-5	2.034-5	1.672-5	1.339-5	8.169-6	4.079-6	3.155-6	2.450-6	1.492-6
50	102	1.642-2	1.608-2	1.556-2	1.568-2	1.599-2	1.700-2	1.878-2	1.963-2	2.056-2	2.166-2
50	103	1.533-3	1.224-3	7.643-4	6.106-4	4.792-4	2.872-4	1.463-4	1.152-4	9.129-5	5.787-5
50	104	1.018-4	1.012-4	7.951-5	6.733-5	5.534-5	3.547-5	1.896-5	1.499-5	1.183-5	7.270-6
50	105	2.105-4	1.900-4	1.315-4	1.076-4	8.590-5	5.249-5	2.642-5	2.040-5	1.574-5	9.276-6
50	106	7.030-4	5.922-4	3.827-4	3.058-4	2.386-4	1.389-4	6.528-5	4.927-5	3.734-5	2.166-5
50	107	1.708-4	1.332-4	8.603-5	6.965-5	5.518-5	3.316-5	1.624-5	1.242-5	9.492-6	5.507-6
50	108	1.604-3	1.361-3	8.696-4	6.932-4	5.410-4	3.178-4	1.536-4	1.174-4	9.001-5	5.324-5
50	109	5.023-3	4.318-3	2.701-3	2.138-3	1.662-3	9.816-4	4.964-4	3.917-4	3.128-4	2.047-4
50	110	1.594-2	1.230-2	7.119-3	5.533-3	4.236-3	2.433-3	1.176-3	9.085-4	7.084-4	4.391-4
50	111	1.798-4	1.456-4	8.731-5	6.837-5	5.261-5	3.034-5	1.448-5	1.103-5	8.428-6	4.938-6
50	112	5.764-4	4.137-4	2.366-4	1.880-4	1.491-4	9.529-5	5.533-5	4.558-5	3.752-5	2.488-5
50	113	3.150-5	2.496-5	1.640-5	1.343-5	1.084-5	6.914-6	3.798-6	3.034-6	2.416-6	1.496-6
50	114	6.015-2	6.241-2	6.824-2	7.073-2	7.317-2	7.771-2	8.401-2	8.696-2	9.023-2	9.342-2
50	115	1.564-1	1.638-1	1.800-1	1.867-1	1.931-1	2.050-1	2.221-1	2.300-1	2.388-1	2.474-1
50	116	3.285-5	2.682-5	1.825-5	1.572-5	1.365-5	1.060-5	7.911-6	7.118-6	6.400-6	5.069-6
50	117	1.268-4	1.191-4	1.077-4	1.041-4	1.008-4	9.456-5	8.471-5	8.002-5	7.464-5	6.126-5
50	118	1.467-5	1.173-5	7.872-6	6.763-6	5.853-6	4.494-6	3.206-6	2.792-6	2.401-6	1.683-6
50	119	1.179-4	1.134-4	1.060-4	1.043-4	1.031-4	1.023-4	1.040-4	1.057-4	1.081-4	1.096-4
50	120	2.920-4	2.696-4	1.814-4	1.488-4	1.209-4	8.005-5	4.884-5	4.121-5	3.486-5	2.455-5
50	121	2.009-5	1.373-5	7.816-6	6.398-6	5.310-6	3.826-6	2.623-6	2.277-6	1.961-6	1.393-6
50	122	3.183-5	2.362-5	1.693-5	1.530-5	1.397-5	1.188-5	9.463-6	8.555-6	7.639-6	5.798-6
50	123	1.614-3	1.606-3	1.588-3	1.577-3	1.563-3	1.519-3	1.401-3	1.333-3	1.249-3	1.026-3
50	124	4.145-6	3.104-6	2.421-6	2.258-6	2.115-6	1.838-6	1.413-6	1.237-6	1.060-6	7.249-7
50	125	1.818-3	1.815-3	1.801-3	1.790-3	1.775-3	1.725-3	1.589-3	1.510-3	1.413-3	1.156-3
51	52	6.621-2	6.746-2	6.318-2	6.057-2	5.773-2	5.194-2	4.448-2	4.171-2	3.895-2	3.285-2
51	53	3.985-2	4.144-2	3.761-2	3.546-2	3.314-2	2.844-2	2.257-2	2.048-2	1.842-2	1.428-2
51	54	3.032-2	3.064-2	2.934-2	2.877-2	2.829-2	2.765-2	2.729-2	2.720-2	2.709-2	2.594-2
51	55	1.945-3	1.803-3	1.314-3	1.093-3	8.811-4	5.356-4	2.574-4	1.951-4	1.487-4	8.830-5
51	56	5.044-3	4.790-3	3.536-3	2.988-3	2.495-3	1.820-3	1.539-3	1.514-3	1.492-3	1.399-3
51	57	6.749-4	5.853-4	4.123-4	3.408-4	2.740-4	1.666-4	8.087-5	6.159-5	4.710-5	2.795-5
51	58	3.380-2	3.118-2	2.744-2	2.602-2	2.459-2	2.181-2	1.824-2	1.696-2	1.574-2	1.333-2
51	59	3.575-2	2.807-2	2.128-2	1.932-2	1.754-2	1.441-2	1.105-2	9.973-3	8.989-3	7.177-3
51	60	4.465-3	3.603-3	2.657-3	2.382-3	2.183-3	2.046-3	2.260-3	2.394-3	2.532-3	2.683-3
51	61	3.663-2	3.101-2	2.632-2	2.478-2	2.321-2	1.996-2	1.558-2	1.395-2	1.237-2	9.334-3
51	62	4.313-3	3.826-3	3.040-3	2.823-3	2.722-3	2.912-3	3.747-3	4.193-3	4.722-3	5.719-3
51	63	6.134-3	5.845-3	5.394-3	5.212-3	5.016-3	4.574-3	3.884-3	3.607-3	3.329-3	2.754-3
51	64	9.591-4	8.757-4	6.284-4	5.266-4	4.316-4	2.764-4	1.458-4	1.141-4	8.906-5	5.335-5
51	65	1.345-2	1.098-2	7.455-3	6.254-3	5.248-3	3.932-3	3.340-3	3.354-3	3.466-3	3.741-3
51	66	9.729-4	8.534-4	6.002-4	4.967-4	4.003-4	2.456-4	1.218-4	9.386-5	7.283-5	4.477-5
51	67	2.287-3	1.959-3	1.357-3	1.117-3	8.936-4	5.377-4	2.553-4	1.916-4	1.436-4	8.023-5
51	68	1.713-2	1.387-2	9.714-3	8.260-3	7.013-3	5.322-3	4.476-3	4.451-3	4.540-3	4.762-3
51	69	2.865-2	2.569-2	2.216-2	2.028-2	1.814-2	1.383-2	9.374-3	8.126-3	7.045-3	5.194-3
51	70	3.763-3	3.447-3	2.562-3	2.154-3	1.768-3	1.160-3	7.098-4	6.213-4	5.630-4	4.937-4
51	71	1.318-2	1.691-2	1.814-2	1.703-2	1.529-2	1.124-2	6.879-3	5.711-3	4.749-3	3.258-3
51	72	3.449-3	3.110-3	2.506-3	2.231-3	1.950-3	1.434-3	9.342-4	7.985-4	6.839-4	4.969-4
51	73	3.129-3	2.880-3	2.100-3	1.762-3	1.452-3	9.709-4	6.090-4	5.311-4	4.735-4	3.891-4
51	74	8.713-3	7.985-3	6.194-3	5.349-3	4.512-3	3.078-3	1.839-3	1.537-3	1.296-3	9.292-4
51	75	4.683-3	5.245-3	4.789-3	4.288-3	3.710-3	2.597-3	1.547-3	1.279-3	1.062-3	7.283-4
51	76	7.218-3	7.910-3	7.310-3	6.618-3	5.762-3	3.975-3	2.178-3	1.718-3	1.353-3	8.330-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
51	77	1.050-2	9.495-3	6.777-3	5.631-3	4.553-3	2.803-3	1.402-3	1.090-3	8.589-4	5.568-4
51	78	1.180-2	1.024-2	7.405-3	6.250-3	5.141-3	3.282-3	1.725-3	1.366-3	1.092-3	7.157-4
51	79	1.456-3	1.277-3	9.754-4	8.806-4	8.121-4	7.553-4	7.942-4	8.307-4	8.758-4	9.430-4
51	80	1.610-2	1.340-2	8.938-3	7.264-3	5.763-3	3.459-3	1.704-3	1.317-3	1.027-3	6.392-4
51	81	3.713-3	3.227-3	2.099-3	1.678-3	1.309-3	7.645-4	3.661-4	2.809-4	2.180-4	1.360-4
51	82	1.093-3	9.677-4	6.425-4	5.214-4	4.154-4	2.574-4	1.396-4	1.138-4	9.430-5	6.726-5
51	83	3.043-3	2.494-3	1.571-3	1.259-3	9.908-4	5.996-4	3.136-4	2.513-4	2.045-4	1.402-4
51	84	5.033-3	4.308-3	2.766-3	2.210-3	1.732-3	1.037-3	5.370-4	4.306-4	3.518-4	2.451-4
51	85	4.037-3	3.111-3	1.868-3	1.483-3	1.162-3	7.052-4	3.777-4	3.070-4	2.539-4	1.803-4
51	86	1.777-3	1.550-3	1.027-3	8.319-4	6.586-4	3.944-4	1.938-4	1.498-4	1.170-4	7.348-5
51	87	3.541-3	3.050-3	2.073-3	1.695-3	1.351-3	8.142-4	3.988-4	3.072-4	2.390-4	1.490-4
51	88	3.468-2	3.436-2	3.644-2	3.831-2	4.078-2	4.670-2	5.504-2	5.838-2	6.187-2	6.622-2
51	89	1.403-2	1.180-2	8.727-3	7.430-3	6.197-3	4.215-3	2.716-3	2.422-3	2.230-3	1.987-3
51	90	4.983-2	5.080-2	5.450-2	5.723-2	6.074-2	6.904-2	8.083-2	8.558-2	9.053-2	9.660-2
51	91	3.174-4	3.089-4	2.385-4	2.016-4	1.647-4	1.024-4	5.117-5	3.967-5	3.111-5	1.986-5
51	92	1.914-3	1.730-3	1.499-3	1.436-3	1.393-3	1.360-3	1.403-3	1.442-3	1.490-3	1.541-3
51	93	4.853-4	4.028-4	2.712-4	2.259-4	1.863-4	1.265-4	8.098-5	7.071-5	6.280-5	5.056-5
51	94	5.149-3	4.865-3	3.624-3	3.055-3	2.516-3	1.654-3	9.970-4	8.626-4	7.701-4	6.509-4
51	95	1.476-2	1.427-2	1.412-2	1.434-2	1.474-2	1.589-2	1.783-2	1.869-2	1.961-2	2.068-2
51	96	1.729-3	1.657-3	1.372-3	1.262-3	1.167-3	1.038-3	9.683-4	9.637-4	9.665-4	9.503-4
51	97	1.200-3	1.126-3	8.861-4	7.875-4	6.993-4	5.703-4	4.907-4	4.819-4	4.811-4	4.772-4
51	98	8.132-4	6.373-4	4.327-4	3.686-4	3.137-4	2.313-4	1.649-4	1.479-4	1.332-4	1.064-4
51	99	1.316-2	1.358-2	1.433-2	1.486-2	1.552-2	1.704-2	1.921-2	2.012-2	2.108-2	2.214-2
51	100	5.314-2	5.582-2	6.070-2	6.381-2	6.756-2	7.581-2	8.708-2	9.172-2	9.664-2	1.025-1
51	101	5.948-4	5.238-4	3.808-4	3.190-4	2.609-4	1.683-4	9.425-5	7.691-5	6.324-5	4.293-5
51	102	2.685-3	2.727-3	2.722-3	2.754-3	2.813-3	2.983-3	3.285-3	3.426-3	3.581-3	3.755-3
51	103	1.188-3	1.181-3	1.117-3	1.100-3	1.093-3	1.106-3	1.169-3	1.206-3	1.249-3	1.292-3
51	104	2.578-4	2.272-4	1.627-4	1.365-4	1.125-4	7.505-5	4.514-5	3.797-5	3.219-5	2.319-5
51	105	1.721-3	1.744-3	1.760-3	1.799-3	1.857-3	2.004-3	2.236-3	2.341-3	2.456-3	2.593-3
51	106	5.872-3	5.464-3	3.749-3	3.019-3	2.364-3	1.378-3	6.504-4	4.940-4	3.781-4	2.265-4
51	107	2.305-4	2.175-4	1.551-4	1.271-4	1.011-4	6.079-5	3.000-5	2.330-5	1.836-5	1.188-5
51	108	6.260-3	6.212-3	4.350-3	3.518-3	2.768-3	1.634-3	7.924-4	6.096-4	4.732-4	2.913-4
51	109	2.883-3	2.457-3	1.566-3	1.242-3	9.615-4	5.523-4	2.568-4	1.937-4	1.470-4	8.630-5
51	110	2.346-3	1.972-3	1.218-3	9.591-4	7.400-4	4.268-4	2.045-4	1.572-4	1.222-4	7.576-5
51	111	1.013-3	8.516-4	5.265-4	4.142-4	3.189-4	1.818-4	8.453-5	6.410-5	4.913-5	2.982-5
51	112	9.449-4	7.201-4	4.040-4	3.116-4	2.373-4	1.356-4	6.538-5	5.033-5	3.902-5	2.374-5
51	113	2.566-4	2.130-4	1.437-4	1.184-4	9.616-5	6.282-5	3.717-5	3.108-5	2.616-5	1.849-5
51	114	1.230-3	8.052-4	4.423-4	3.584-4	2.954-4	2.137-4	1.574-4	1.443-4	1.333-4	1.127-4
51	115	8.088-4	5.219-4	2.808-4	2.247-4	1.824-4	1.271-4	8.743-5	7.749-5	6.884-5	5.308-5
51	116	3.296-2	3.463-2	3.787-2	3.915-2	4.038-2	4.265-2	4.587-2	4.740-2	4.911-2	5.070-2
51	117	6.456-2	6.813-2	7.492-2	7.757-2	8.010-2	8.484-2	9.185-2	9.523-2	9.902-2	1.029-1
51	118	3.354-4	2.978-4	2.533-4	2.407-4	2.303-4	2.130-4	1.900-4	1.794-4	1.672-4	1.365-4
51	119	1.537-2	1.590-2	1.693-2	1.733-2	1.770-2	1.839-2	1.939-2	1.985-2	2.036-2	2.059-2
51	120	1.087-4	1.065-4	7.371-5	5.985-5	4.762-5	2.943-5	1.581-5	1.271-5	1.028-5	6.760-6
51	121	4.807-4	4.638-4	4.450-4	4.387-4	4.324-4	4.171-4	3.835-4	3.647-4	3.417-4	2.811-4
51	122	4.726-3	4.773-3	4.965-3	5.053-3	5.143-3	5.333-3	5.670-3	5.852-3	6.064-3	6.268-3
51	123	4.527-3	4.507-3	4.642-3	4.708-3	4.776-3	4.922-3	5.197-3	5.347-3	5.519-3	5.664-3
51	124	1.071-3	1.069-3	1.061-3	1.056-3	1.048-3	1.023-3	9.566-4	9.181-4	8.707-4	7.391-4
51	125	1.678-4	1.676-4	1.665-4	1.657-4	1.647-4	1.611-4	1.515-4	1.460-4	1.391-4	1.194-4
52	53	3.920-2	3.930-2	3.784-2	3.714-2	3.650-2	3.554-2	3.464-2	3.432-2	3.395-2	3.212-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
52	54	6.720-3	6.545-3	5.878-3	5.579-3	5.263-3	4.582-3	3.572-3	3.169-3	2.764-3	1.983-3
52	55	7.955-4	6.797-4	4.889-4	4.088-4	3.312-4	2.008-4	9.251-5	6.800-5	4.975-5	2.644-5
52	56	2.823-3	2.530-3	1.846-3	1.547-3	1.258-3	7.737-4	3.701-4	2.780-4	2.089-4	1.190-4
52	57	4.514-4	4.393-4	3.401-4	2.876-4	2.362-4	1.510-4	8.099-5	6.454-5	5.169-5	3.321-5
52	58	6.005-2	5.023-2	3.948-2	3.573-2	3.209-2	2.538-2	1.808-2	1.579-2	1.371-2	1.005-2
52	59	2.826-2	2.527-2	2.176-2	2.039-2	1.900-2	1.628-2	1.280-2	1.152-2	1.025-2	7.808-3
52	60	8.661-3	6.858-3	4.503-3	3.701-3	2.986-3	1.877-3	1.016-3	8.255-4	6.838-4	4.915-4
52	61	1.235-1	9.574-2	7.289-2	6.552-2	5.829-2	4.478-2	3.041-2	2.614-2	2.239-2	1.611-2
52	62	2.752-3	2.393-3	1.770-3	1.494-3	1.220-3	7.509-4	3.524-4	2.609-4	1.921-4	1.032-4
52	63	4.653-3	4.510-3	4.224-3	4.080-3	3.909-3	3.485-3	2.759-3	2.453-3	2.140-3	1.531-3
52	64	9.620-4	8.954-4	6.596-4	5.576-4	4.609-4	3.016-4	1.664-4	1.334-4	1.073-4	6.944-5
52	65	4.712-3	4.395-3	3.291-3	2.754-3	2.227-3	1.349-3	6.343-4	4.742-4	3.549-4	2.007-4
52	66	8.283-4	7.745-4	5.528-4	4.563-4	3.665-4	2.241-4	1.112-4	8.552-5	6.594-5	3.931-5
52	67	2.334-3	2.221-3	1.683-3	1.415-3	1.152-3	7.118-4	3.483-4	2.647-4	2.012-4	1.161-4
52	68	3.841-2	2.854-2	1.839-2	1.529-2	1.270-2	9.202-3	7.275-3	7.102-3	7.139-3	7.354-3
52	69	5.842-2	4.577-2	3.331-2	2.890-2	2.449-2	1.648-2	9.087-3	7.270-3	5.843-3	3.804-3
52	70	4.568-3	4.066-3	2.971-3	2.476-3	1.997-3	1.205-3	5.634-4	4.190-4	3.110-4	1.709-4
52	71	7.957-3	8.387-3	7.887-3	7.302-3	6.594-3	5.140-3	3.620-3	3.183-3	2.797-3	2.108-3
52	72	2.359-2	2.472-2	2.256-2	2.052-2	1.810-2	1.323-2	8.401-3	7.140-3	6.103-3	4.458-3
52	73	2.686-3	2.334-3	1.687-3	1.409-3	1.146-3	7.236-4	3.879-4	3.111-4	2.516-4	1.661-4
52	74	2.159-3	2.160-3	1.932-3	1.801-3	1.664-3	1.406-3	1.118-3	1.018-3	9.182-4	7.108-4
52	75	2.018-3	2.149-3	1.966-3	1.824-3	1.668-3	1.374-3	1.062-3	9.618-4	8.650-4	6.693-4
52	76	1.548-2	1.687-2	1.526-2	1.377-2	1.200-2	8.481-3	5.044-3	4.160-3	3.443-3	2.349-3
52	77	8.841-3	8.368-3	6.281-3	5.321-3	4.408-3	2.922-3	1.699-3	1.407-3	1.175-3	8.231-4
52	78	8.488-3	7.872-3	5.884-3	4.976-3	4.109-3	2.683-3	1.498-3	1.214-3	9.875-4	6.530-4
52	79	4.196-3	3.474-3	2.342-3	1.917-3	1.538-3	9.652-4	5.418-4	4.520-4	3.863-4	2.969-4
52	80	1.979-2	1.659-2	1.085-2	8.731-3	6.855-3	4.028-3	1.917-3	1.458-3	1.115-3	6.644-4
52	81	8.181-3	7.046-3	4.508-3	3.576-3	2.769-3	1.586-3	7.291-4	5.462-4	4.113-4	2.371-4
52	82	5.313-4	4.701-4	3.075-4	2.485-4	1.973-4	1.211-4	6.282-5	4.925-5	3.862-5	2.351-5
52	83	4.523-3	3.745-3	2.325-3	1.845-3	1.437-3	8.501-4	4.268-4	3.353-4	2.667-4	1.739-4
52	84	5.559-3	4.440-3	2.694-3	2.131-3	1.663-3	1.000-3	5.358-4	4.377-4	3.650-4	2.649-4
52	85	1.248-2	1.073-2	6.844-3	5.458-3	4.263-3	2.510-3	1.233-3	9.590-4	7.564-4	4.888-4
52	86	1.465-3	1.215-3	7.574-4	6.026-4	4.708-4	2.791-4	1.393-4	1.088-4	8.597-5	5.499-5
52	87	4.820-3	4.101-3	2.609-3	2.083-3	1.627-3	9.531-4	4.551-4	3.465-4	2.652-4	1.574-4
52	88	1.085-3	8.075-4	4.978-4	3.998-4	3.143-4	1.843-4	8.535-5	6.365-5	4.751-5	2.662-5
52	89	1.943-2	1.736-2	1.433-2	1.306-2	1.190-2	1.024-2	9.415-3	9.449-3	9.623-3	9.848-3
52	90	3.087-2	3.065-2	3.201-2	3.343-2	3.538-2	4.014-2	4.697-2	4.974-2	5.265-2	5.627-2
52	91	2.029-4	1.615-4	1.054-4	8.596-5	6.846-5	4.106-5	1.955-5	1.471-5	1.108-5	6.278-6
52	92	2.392-2	2.366-2	2.451-2	2.545-2	2.675-2	2.996-2	3.469-2	3.664-2	3.868-2	4.118-2
52	93	2.552-4	2.078-4	1.363-4	1.120-4	9.060-5	5.780-5	3.161-5	2.529-5	2.022-5	1.276-5
52	94	2.838-3	2.720-3	2.067-3	1.733-3	1.403-3	8.506-4	3.999-4	2.982-4	2.218-4	1.221-4
52	95	6.540-2	6.647-2	7.093-2	7.426-2	7.851-2	8.839-2	1.023-1	1.079-1	1.138-1	1.209-1
52	96	4.683-2	4.840-2	5.252-2	5.528-2	5.873-2	6.659-2	7.742-2	8.181-2	8.642-2	9.206-2
52	97	1.463-3	1.301-3	9.358-4	7.742-4	6.207-4	3.729-4	1.768-4	1.331-4	1.004-4	5.749-5
52	98	1.921-2	1.902-2	1.925-2	1.969-2	2.035-2	2.210-2	2.491-2	2.614-2	2.746-2	2.899-2
52	99	5.782-2	6.042-2	6.549-2	6.882-2	7.289-2	8.195-2	9.437-2	9.947-2	1.049-1	1.114-1
52	100	1.074-3	9.651-4	6.990-4	5.839-4	4.772-4	3.093-4	1.771-4	1.463-4	1.221-4	8.571-5
52	101	2.850-4	2.474-4	1.794-4	1.500-4	1.223-4	7.852-5	4.443-5	3.690-5	3.127-5	2.340-5
52	102	1.222-2	1.252-2	1.289-2	1.327-2	1.376-2	1.496-2	1.675-2	1.754-2	1.839-2	1.936-2
52	103	1.377-3	1.258-3	9.807-4	8.741-4	7.819-4	6.515-4	5.761-4	5.701-4	5.727-4	5.722-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
52	104	1.723-4	1.698-4	1.294-4	1.081-4	8.750-5	5.414-5	2.749-5	2.141-5	1.676-5	1.040-5
52	105	2.755-4	2.684-4	2.054-4	1.717-4	1.388-4	8.490-5	4.153-5	3.163-5	2.408-5	1.387-5
52	106	2.623-3	2.374-3	1.618-3	1.307-3	1.028-3	6.055-4	2.924-4	2.249-4	1.750-4	1.093-4
52	107	2.074-4	1.974-4	1.438-4	1.184-4	9.458-5	5.666-5	2.700-5	2.038-5	1.539-5	8.778-6
52	108	6.742-3	6.378-3	4.348-3	3.498-3	2.740-3	1.600-3	7.564-4	5.736-4	4.373-4	2.576-4
52	109	5.553-3	4.600-3	2.842-3	2.238-3	1.725-3	9.855-4	4.566-4	3.439-4	2.606-4	1.520-4
52	110	7.962-3	6.356-3	3.855-3	3.033-3	2.343-3	1.361-3	6.651-4	5.167-4	4.062-4	2.583-4
52	111	3.736-4	3.270-4	2.064-4	1.630-4	1.258-4	7.210-5	3.349-5	2.520-5	1.903-5	1.089-5
52	112	1.086-3	8.496-4	4.868-4	3.781-4	2.902-4	1.691-4	8.426-5	6.575-5	5.161-5	3.202-5
52	113	2.164-4	1.904-4	1.332-4	1.098-4	8.875-5	5.641-5	3.134-5	2.548-5	2.083-5	1.388-5
52	114	3.658-2	3.790-2	4.152-2	4.309-2	4.462-2	4.752-2	5.174-2	5.373-2	5.593-2	5.824-2
52	115	1.224-2	1.217-2	1.273-2	1.304-2	1.336-2	1.397-2	1.487-2	1.528-2	1.573-2	1.601-2
52	116	5.854-4	3.798-4	2.066-4	1.667-4	1.367-4	9.742-5	6.859-5	6.108-5	5.439-5	4.192-5
52	117	4.154-2	4.352-2	4.748-2	4.907-2	5.061-2	5.346-2	5.753-2	5.948-2	6.167-2	6.377-2
52	118	9.941-5	7.219-5	3.956-5	3.085-5	2.405-5	1.495-5	8.657-6	7.263-6	6.181-6	4.565-6
52	119	6.214-2	6.531-2	7.087-2	7.299-2	7.502-2	7.882-2	8.455-2	8.735-2	9.048-2	9.337-2
52	120	1.967-4	1.917-4	1.307-4	1.061-4	8.456-5	5.293-5	2.941-5	2.404-5	1.982-5	1.355-5
52	121	6.076-5	3.939-5	2.244-5	1.856-5	1.562-5	1.167-5	8.645-6	7.832-6	7.113-6	5.762-6
52	122	1.508-3	1.490-3	1.466-3	1.456-3	1.442-3	1.401-3	1.293-3	1.231-3	1.154-3	9.489-4
52	123	8.282-3	8.213-3	8.460-3	8.593-3	8.733-3	9.033-3	9.578-3	9.876-3	1.022-2	1.055-2
52	124	6.584-4	6.560-4	6.493-4	6.451-4	6.392-4	6.205-4	5.710-4	5.423-4	5.071-4	4.149-4
52	125	7.464-4	7.450-4	7.389-4	7.345-4	7.283-4	7.078-4	6.528-4	6.207-4	5.812-4	4.769-4
53	54	2.827-2	2.902-2	2.788-2	2.709-2	2.618-2	2.424-2	2.164-2	2.066-2	1.965-2	1.720-2
53	55	3.168-3	3.484-3	2.856-3	2.459-3	2.082-3	1.534-3	1.341-3	1.447-3	1.624-3	1.960-3
53	56	2.758-3	2.545-3	1.862-3	1.555-3	1.259-3	7.718-4	3.754-4	2.873-4	2.224-4	1.387-4
53	57	6.858-4	6.358-4	4.699-4	3.964-4	3.254-4	2.053-4	1.038-4	8.030-5	6.255-5	3.902-5
53	58	1.882-2	1.728-2	1.516-2	1.433-2	1.349-2	1.173-2	9.217-3	8.223-3	7.222-3	5.276-3
53	59	3.057-2	2.503-2	1.952-2	1.770-2	1.595-2	1.270-2	9.180-3	8.095-3	7.124-3	5.429-3
53	60	1.982-3	1.668-3	1.259-3	1.102-3	9.576-4	7.399-4	6.080-4	5.908-4	5.833-4	5.651-4
53	61	1.194-2	1.162-2	1.098-2	1.065-2	1.025-2	9.232-3	7.406-3	6.609-3	5.784-3	4.158-3
53	62	2.020-3	1.755-3	1.249-3	1.049-3	8.636-4	5.747-4	3.658-4	3.288-4	3.088-4	2.953-4
53	63	8.588-3	7.618-3	6.657-3	6.337-3	6.009-3	5.308-3	4.288-3	3.891-3	3.496-3	2.719-3
53	64	1.958-3	1.611-3	1.165-3	1.021-3	9.086-4	7.883-4	7.948-4	8.326-4	8.876-4	9.952-4
53	65	6.742-3	6.026-3	4.645-3	4.202-3	3.912-3	3.846-3	4.511-3	4.912-3	5.391-3	6.248-3
53	66	1.033-3	9.186-4	6.839-4	5.786-4	4.753-4	2.998-4	1.530-4	1.196-4	9.462-5	6.157-5
53	67	2.142-3	1.997-3	1.416-3	1.166-3	9.354-4	5.740-4	2.996-4	2.415-4	1.999-4	1.479-4
53	68	1.206-2	9.204-3	5.898-3	4.829-3	3.901-3	2.539-3	1.611-3	1.447-3	1.353-3	1.260-3
53	69	9.269-3	9.345-3	8.875-3	8.446-3	7.927-3	6.817-3	5.474-3	5.007-3	4.543-3	3.573-3
53	70	1.573-3	1.510-3	1.146-3	9.629-4	7.843-4	4.901-4	2.560-4	2.051-4	1.683-4	1.217-4
53	71	9.345-3	1.172-2	1.317-2	1.255-2	1.138-2	8.360-3	4.958-3	4.053-3	3.320-3	2.229-3
53	72	1.449-3	1.253-3	9.905-4	8.889-4	7.879-4	6.031-4	4.179-4	3.649-4	3.183-4	2.369-4
53	73	1.740-3	1.597-3	1.231-3	1.073-3	9.296-4	7.175-4	5.837-4	5.648-4	5.575-4	5.465-4
53	74	7.320-3	6.768-3	5.364-3	4.637-3	3.879-3	2.502-3	1.271-3	9.780-4	7.533-4	4.484-4
53	75	8.508-3	7.941-3	6.525-3	5.710-3	4.824-3	3.164-3	1.642-3	1.275-3	9.924-4	6.039-4
53	76	2.937-3	3.110-3	2.873-3	2.618-3	2.310-3	1.677-3	1.032-3	8.591-4	7.164-4	4.952-4
53	77	5.375-3	5.532-3	4.532-3	3.902-3	3.240-3	2.049-3	1.007-3	7.656-4	5.831-4	3.431-4
53	78	6.562-3	6.609-3	5.511-3	4.804-3	4.035-3	2.596-3	1.292-3	9.846-4	7.510-4	4.411-4
53	79	8.673-4	7.936-4	5.945-4	5.082-4	4.308-4	3.191-4	2.516-4	2.432-4	2.412-4	2.404-4
53	80	4.595-3	3.846-3	2.630-3	2.166-3	1.744-3	1.087-3	5.721-4	4.541-4	3.628-4	2.334-4
53	81	2.268-3	1.846-3	1.183-3	9.607-4	7.714-4	4.979-4	3.015-4	2.594-4	2.281-4	1.820-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
53	82	1.345-3	1.251-3	8.611-4	6.976-4	5.498-4	3.238-4	1.538-4	1.169-4	8.962-5	5.416-5
53	83	2.304-3	1.969-3	1.292-3	1.044-3	8.265-4	4.973-4	2.500-4	1.962-4	1.562-4	1.031-4
53	84	4.905-3	4.207-3	2.724-3	2.170-3	1.687-3	9.752-4	4.578-4	3.473-4	2.657-4	1.594-4
53	85	1.467-3	1.217-3	7.572-4	6.022-4	4.711-4	2.820-4	1.459-4	1.166-4	9.469-5	6.503-5
53	86	2.624-3	2.305-3	1.556-3	1.271-3	1.015-3	6.184-4	3.150-4	2.489-4	1.999-4	1.350-4
53	87	1.982-3	1.566-3	9.854-4	7.940-4	6.277-4	3.780-4	1.892-4	1.473-4	1.155-4	7.252-5
53	88	2.042-2	2.022-2	2.120-2	2.212-2	2.335-2	2.634-2	3.071-2	3.249-2	3.435-2	3.661-2
53	89	3.067-3	2.929-3	2.421-3	2.091-3	1.735-3	1.092-3	5.420-4	4.179-4	3.263-4	2.087-4
53	90	6.936-3	6.947-3	6.988-3	7.094-3	7.271-3	7.786-3	8.684-3	9.089-3	9.525-3	1.003-2
53	91	1.094-2	1.118-2	1.201-2	1.263-2	1.341-2	1.526-2	1.787-2	1.892-2	2.001-2	2.135-2
53	92	6.506-4	4.940-4	3.053-4	2.497-4	2.033-4	1.359-4	8.446-5	7.233-5	6.261-5	4.731-5
53	93	3.603-4	2.925-4	1.818-4	1.454-4	1.143-4	6.841-5	3.413-5	2.644-5	2.055-5	1.243-5
53	94	5.010-3	4.652-3	3.852-3	3.568-3	3.337-3	3.061-3	3.019-3	3.081-3	3.172-3	3.279-3
53	95	1.477-3	1.114-3	6.716-4	5.361-4	4.214-4	2.531-4	1.282-4	1.004-4	7.921-5	4.982-5
53	96	9.545-4	9.074-4	7.602-4	7.056-4	6.613-4	6.085-4	6.006-4	6.121-4	6.292-4	6.480-4
53	97	5.792-3	5.876-3	6.109-3	6.303-3	6.563-3	7.200-3	8.165-3	8.576-3	9.012-3	9.522-3
53	98	4.169-4	2.828-4	1.642-4	1.327-4	1.071-4	7.094-5	4.509-5	3.962-5	3.562-5	2.977-5
53	99	1.765-2	1.829-2	1.959-2	2.046-2	2.153-2	2.396-2	2.744-2	2.888-2	3.040-2	3.218-2
53	100	1.038-2	1.077-2	1.142-2	1.186-2	1.239-2	1.359-2	1.529-2	1.598-2	1.671-2	1.750-2
53	101	2.809-2	2.952-2	3.205-2	3.367-2	3.562-2	3.990-2	4.579-2	4.821-2	5.078-2	5.383-2
53	102	3.132-4	2.895-4	2.130-4	1.789-4	1.471-4	9.659-5	5.564-5	4.574-5	3.775-5	2.557-5
53	103	9.165-4	8.967-4	8.369-4	8.215-4	8.147-4	8.245-4	8.775-4	9.092-4	9.459-4	9.873-4
53	104	1.873-3	1.967-3	2.088-3	2.173-3	2.276-3	2.508-3	2.837-3	2.977-3	3.126-3	3.301-3
53	105	2.576-4	2.457-4	1.853-4	1.575-4	1.316-4	9.084-5	5.941-5	5.256-5	4.750-5	3.996-5
53	106	6.448-3	6.199-3	4.393-3	3.564-3	2.805-3	1.642-3	7.717-4	5.836-4	4.442-4	2.621-4
53	107	5.219-4	5.180-4	4.439-4	4.139-4	3.885-4	3.556-4	3.460-4	3.513-4	3.602-4	3.697-4
53	108	2.222-3	2.195-3	1.519-3	1.225-3	9.628-4	5.690-4	2.769-4	2.128-4	1.644-4	9.902-5
53	109	1.198-3	9.959-4	6.158-4	4.847-4	3.733-4	2.130-4	9.847-5	7.404-5	5.593-5	3.232-5
53	110	1.020-3	8.832-4	5.589-4	4.429-4	3.438-4	2.010-4	9.912-5	7.750-5	6.153-5	4.030-5
53	111	7.512-4	6.462-4	4.071-4	3.209-4	2.469-4	1.396-4	6.297-5	4.678-5	3.489-5	1.966-5
53	112	8.472-4	6.264-4	3.386-4	2.587-4	1.957-4	1.109-4	5.327-5	4.106-5	3.191-5	1.956-5
53	113	3.687-4	2.901-4	1.771-4	1.419-4	1.127-4	7.139-5	4.122-5	3.425-5	2.868-5	2.009-5
53	114	6.488-4	4.308-4	2.430-4	1.995-4	1.667-4	1.233-4	9.090-5	8.205-5	7.387-5	5.768-5
53	115	1.879-4	1.263-4	6.623-5	5.131-5	3.985-5	2.477-5	1.461-5	1.245-5	1.084-5	8.481-6
53	116	2.905-2	3.066-2	3.372-2	3.492-2	3.606-2	3.821-2	4.139-2	4.293-2	4.464-2	4.640-2
53	117	1.969-2	2.054-2	2.224-2	2.291-2	2.355-2	2.473-2	2.646-2	2.728-2	2.818-2	2.891-2
53	118	8.583-3	9.027-3	9.851-3	1.017-2	1.048-2	1.105-2	1.185-2	1.223-2	1.266-2	1.303-2
53	119	7.042-4	6.284-4	5.621-4	5.444-4	5.289-4	5.003-4	4.536-4	4.300-4	4.020-4	3.297-4
53	120	1.728-4	1.526-4	9.842-5	7.842-5	6.125-5	3.631-5	1.822-5	1.425-5	1.122-5	7.010-6
53	121	1.576-2	1.644-2	1.751-2	1.792-2	1.832-2	1.911-2	2.039-2	2.105-2	2.181-2	2.252-2
53	122	1.140-3	1.153-3	1.200-3	1.221-3	1.242-3	1.286-3	1.367-3	1.410-3	1.460-3	1.507-3
53	123	4.339-4	4.307-4	4.335-4	4.350-4	4.363-4	4.380-4	4.391-4	4.397-4	4.398-4	4.234-4
53	124	9.805-4	9.770-4	9.686-4	9.632-4	9.555-4	9.300-4	8.611-4	8.207-4	7.707-4	6.371-4
53	125	6.660-4	6.671-4	6.684-4	6.692-4	6.703-4	6.741-4	6.846-4	6.912-4	6.984-4	6.867-4
54	55	1.322-3	1.514-3	1.277-3	1.096-3	9.119-4	6.074-4	4.077-4	3.972-4	4.126-4	4.587-4
54	56	2.242-3	2.141-3	1.560-3	1.307-3	1.078-3	7.373-4	5.410-4	5.382-4	5.632-4	6.240-4
54	57	3.152-4	3.011-4	2.324-4	1.998-4	1.667-4	1.070-4	5.307-5	4.015-5	3.026-5	1.706-5
54	58	9.935-3	9.667-3	9.102-3	8.870-3	8.643-3	8.211-3	7.635-3	7.434-3	7.266-3	6.882-3
54	59	1.463-2	1.162-2	8.984-3	8.222-3	7.492-3	6.079-3	4.375-3	3.803-3	3.268-3	2.314-3
54	60	6.898-4	5.865-4	4.317-4	3.696-4	3.091-4	2.040-4	1.100-4	8.676-5	6.834-5	4.212-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
54	61	5.467-3	5.358-3	5.113-3	4.980-3	4.815-3	4.373-3	3.519-3	3.135-3	2.732-3	1.936-3
54	62	8.809-4	7.870-4	5.802-4	4.936-4	4.125-4	2.864-4	2.011-4	1.895-4	1.866-4	1.929-4
54	63	6.923-3	5.925-3	4.800-3	4.448-3	4.102-3	3.404-3	2.496-3	2.171-3	1.860-3	1.291-3
54	64	8.567-4	7.516-4	6.143-4	5.764-4	5.566-4	5.777-4	6.941-4	7.571-4	8.313-4	9.652-4
54	65	3.933-3	3.463-3	2.647-3	2.402-3	2.252-3	2.263-3	2.716-3	2.974-3	3.277-3	3.818-3
54	66	3.603-4	2.946-4	2.076-4	1.741-4	1.420-4	8.818-5	4.314-5	3.286-5	2.517-5	1.513-5
54	67	5.868-4	5.540-4	4.082-4	3.401-4	2.751-4	1.691-4	8.371-5	6.422-5	4.938-5	2.937-5
54	68	1.124-3	9.810-4	7.122-4	5.946-4	4.807-4	2.917-4	1.378-4	1.032-4	7.724-5	4.345-5
54	69	3.963-3	3.910-3	3.750-3	3.634-3	3.491-3	3.168-3	2.702-3	2.510-3	2.304-3	1.834-3
54	70	5.500-4	5.595-4	4.497-4	3.832-4	3.145-4	1.946-4	9.308-5	6.994-5	5.264-5	3.025-5
54	71	4.783-3	5.426-3	5.364-3	4.980-3	4.441-3	3.206-3	1.885-3	1.541-3	1.267-3	8.670-4
54	72	3.653-4	3.374-4	2.832-4	2.544-4	2.240-4	1.671-4	1.108-4	9.496-5	8.114-5	5.771-5
54	73	7.081-4	6.925-4	5.430-4	4.654-4	3.898-4	2.660-4	1.681-4	1.463-4	1.299-4	1.056-4
54	74	5.596-3	5.540-3	4.679-3	4.110-3	3.480-3	2.279-3	1.167-3	8.994-4	6.946-4	4.176-4
54	75	4.947-3	4.838-3	4.233-3	3.775-3	3.235-3	2.147-3	1.096-3	8.407-4	6.445-4	3.808-4
54	76	9.159-4	9.693-4	8.972-4	8.186-4	7.213-4	5.175-4	3.081-4	2.525-4	2.070-4	1.381-4
54	77	2.118-3	2.196-3	1.876-3	1.641-3	1.381-3	8.881-4	4.379-4	3.311-4	2.500-4	1.429-4
54	78	2.053-3	2.114-3	1.842-3	1.630-3	1.386-3	9.074-4	4.570-4	3.484-4	2.652-4	1.536-4
54	79	1.819-4	1.664-4	1.191-4	9.802-5	7.813-5	4.635-5	2.148-5	1.600-5	1.192-5	6.638-6
54	80	1.307-3	1.167-3	8.573-4	7.213-4	5.920-4	3.811-4	2.086-4	1.680-4	1.362-4	8.975-5
54	81	1.139-3	9.836-4	6.609-4	5.481-4	4.521-4	3.138-4	2.150-4	1.938-4	1.779-4	1.521-4
54	82	1.094-3	9.870-4	6.745-4	5.472-4	4.321-4	2.552-4	1.213-4	9.229-5	7.081-5	4.292-5
54	83	8.869-4	7.953-4	5.483-4	4.505-4	3.608-4	2.193-4	1.085-4	8.398-5	6.576-5	4.182-5
54	84	1.699-3	1.504-3	1.004-3	8.073-4	6.331-4	3.724-4	1.791-4	1.367-4	1.049-4	6.235-5
54	85	3.681-4	2.923-4	1.819-4	1.449-4	1.133-4	6.683-5	3.238-5	2.473-5	1.892-5	1.110-5
54	86	1.005-3	8.782-4	5.889-4	4.795-4	3.808-4	2.279-4	1.100-4	8.402-5	6.466-5	3.921-5
54	87	6.390-4	4.887-4	3.071-4	2.483-4	1.968-4	1.183-4	5.795-5	4.448-5	3.430-5	2.062-5
54	88	3.210-3	3.012-3	2.906-3	2.922-3	2.971-3	3.146-3	3.477-3	3.630-3	3.796-3	3.985-3
54	89	7.289-4	6.714-4	5.151-4	4.342-4	3.529-4	2.148-4	1.010-4	7.535-5	5.621-5	3.141-5
54	90	4.556-4	4.364-4	3.367-4	2.862-4	2.356-4	1.493-4	7.674-5	5.990-5	4.701-5	2.933-5
54	91	1.429-2	1.460-2	1.567-2	1.643-2	1.739-2	1.964-2	2.285-2	2.415-2	2.550-2	2.713-2
54	92	3.138-4	2.403-4	1.521-4	1.267-4	1.057-4	7.599-5	5.458-5	5.002-5	4.667-5	4.117-5
54	93	2.802-4	2.355-4	1.494-4	1.196-4	9.377-5	5.520-5	2.641-5	2.011-5	1.540-5	9.147-6
54	94	1.756-3	1.653-3	1.258-3	1.070-3	8.891-4	5.962-4	3.703-4	3.237-4	2.913-4	2.479-4
54	95	2.874-4	2.227-4	1.404-4	1.131-4	8.928-5	5.306-5	2.549-5	1.941-5	1.486-5	8.889-6
54	96	3.125-4	2.899-4	2.259-4	1.927-4	1.595-4	1.034-4	5.662-5	4.569-5	3.725-5	2.531-5
54	97	3.086-3	3.128-3	3.224-3	3.316-3	3.443-3	3.764-3	4.264-3	4.479-3	4.709-3	4.979-3
54	98	7.167-5	5.115-5	2.925-5	2.311-5	1.808-5	1.095-5	5.689-6	4.487-6	3.550-6	2.215-6
54	99	4.617-4	3.609-4	2.474-4	2.075-4	1.715-4	1.151-4	6.972-5	5.871-5	4.973-5	3.541-5
54	100	1.401-2	1.469-2	1.590-2	1.667-2	1.760-2	1.968-2	2.259-2	2.379-2	2.505-2	2.655-2
54	101	1.187-2	1.243-2	1.340-2	1.403-2	1.478-2	1.645-2	1.874-2	1.969-2	2.068-2	2.182-2
54	102	9.599-5	9.482-5	7.133-5	5.933-5	4.786-5	2.946-5	1.500-5	1.178-5	9.360-6	6.124-6
54	103	1.717-4	1.613-4	1.169-4	9.640-5	7.726-5	4.701-5	2.331-5	1.794-5	1.384-5	8.271-6
54	104	2.880-3	3.010-3	3.199-3	3.331-3	3.492-3	3.847-3	4.350-3	4.564-3	4.791-3	5.055-3
54	105	1.895-4	1.750-4	1.383-4	1.233-4	1.099-4	9.019-5	7.745-5	7.571-5	7.512-5	7.345-5
54	106	2.743-3	2.495-3	1.690-3	1.365-3	1.074-3	6.362-4	3.100-4	2.384-4	1.845-4	1.117-4
54	107	1.451-4	1.442-4	1.067-4	9.086-5	7.683-5	5.608-5	4.180-5	3.927-5	3.777-5	3.553-5
54	108	7.112-4	6.611-4	4.386-4	3.509-4	2.741-4	1.609-4	7.803-5	6.003-5	4.650-5	2.831-5
54	109	4.283-4	3.540-4	2.185-4	1.721-4	1.328-4	7.613-5	3.557-5	2.687-5	2.040-5	1.189-5
54	110	1.545-4	1.368-4	8.808-5	6.999-5	5.435-5	3.145-5	1.481-5	1.122-5	8.534-6	4.994-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
54	111	6.435-4	5.378-4	3.372-4	2.661-4	2.049-4	1.159-4	5.207-5	3.861-5	2.874-5	1.616-5
54	112	2.833-4	2.117-4	1.159-4	8.884-5	6.731-5	3.817-5	1.824-5	1.398-5	1.078-5	6.454-6
54	113	2.080-4	1.709-4	1.063-4	8.555-5	6.827-5	4.371-5	2.559-5	2.132-5	1.785-5	1.238-5
54	114	9.918-5	6.734-5	3.499-5	2.686-5	2.061-5	1.232-5	6.587-6	5.310-6	4.320-6	2.903-6
54	115	4.380-5	2.962-5	1.517-5	1.157-5	8.806-6	5.165-6	2.663-6	2.107-6	1.678-6	1.071-6
54	116	1.614-2	1.695-2	1.849-2	1.909-2	1.966-2	2.072-2	2.228-2	2.301-2	2.382-2	2.453-2
54	117	7.952-4	7.412-4	6.716-4	6.510-4	6.328-4	5.991-4	5.439-4	5.160-4	4.826-4	3.963-4
54	118	1.073-2	1.134-2	1.246-2	1.290-2	1.332-2	1.410-2	1.527-2	1.583-2	1.646-2	1.710-2
54	119	6.544-5	4.585-5	2.664-5	2.146-5	1.731-5	1.149-5	7.027-6	5.894-6	4.940-6	3.403-6
54	120	5.526-5	4.466-5	2.816-5	2.264-5	1.798-5	1.126-5	6.321-6	5.193-6	4.304-6	2.968-6
54	121	7.216-3	7.534-3	8.044-3	8.240-3	8.430-3	8.807-3	9.432-3	9.754-3	1.012-2	1.048-2
54	122	2.224-3	2.256-3	2.353-3	2.393-3	2.433-3	2.519-3	2.675-3	2.757-3	2.850-3	2.932-3
54	123	2.221-5	2.164-5	1.976-5	1.906-5	1.841-5	1.713-5	1.511-5	1.417-5	1.309-5	1.051-5
54	124	6.969-4	6.960-4	6.911-4	6.875-4	6.825-4	6.657-4	6.202-4	5.934-4	5.601-4	4.693-4
54	125	4.415-5	4.406-5	4.368-5	4.342-5	4.306-5	4.186-5	3.865-5	3.678-5	3.447-5	2.835-5
55	56	9.031-2	6.920-2	4.783-2	4.106-2	3.475-2	2.393-2	1.423-2	1.185-2	1.000-2	7.312-3
55	57	2.138-3	1.992-3	1.534-3	1.350-3	1.195-3	1.015-3	9.884-4	1.002-3	1.015-3	9.975-4
55	58	2.532-3	2.142-3	1.484-3	1.233-3	1.002-3	6.344-4	3.388-4	2.715-4	2.207-4	1.512-4
55	59	5.532-3	5.237-3	4.502-3	4.402-3	4.568-3	5.845-3	8.733-3	9.819-3	1.080-2	1.189-2
55	60	4.343-2	4.078-2	3.750-2	3.662-2	3.609-2	3.593-2	3.647-2	3.674-2	3.708-2	3.682-2
55	61	1.598-3	1.307-3	8.772-4	7.212-4	5.800-4	3.583-4	1.849-4	1.468-4	1.189-4	8.246-5
55	62	2.476-2	2.397-2	2.079-2	1.946-2	1.828-2	1.650-2	1.508-2	1.472-2	1.444-2	1.366-2
55	63	2.902-3	2.175-3	1.378-3	1.151-3	9.728-4	7.620-4	7.105-4	7.399-4	7.917-4	9.058-4
55	64	2.246-2	1.908-2	1.297-2	1.075-2	8.749-3	5.601-3	3.018-3	2.392-3	1.893-3	1.169-3
55	65	2.879-2	2.390-2	1.519-2	1.228-2	9.816-3	6.269-3	3.686-3	3.114-3	2.676-3	2.039-3
55	66	2.609-3	2.493-3	2.204-3	2.190-3	2.291-3	2.830-3	3.937-3	4.425-3	4.959-3	5.877-3
55	67	1.656-2	1.382-2	9.327-3	7.642-3	6.098-3	3.649-3	1.714-3	1.284-3	9.632-4	5.458-4
55	68	9.381-3	7.968-3	5.425-3	4.539-3	3.781-3	2.687-3	1.899-3	1.727-3	1.595-3	1.378-3
55	69	5.240-3	4.491-3	3.928-3	3.754-3	3.547-3	3.042-3	2.299-3	2.020-3	1.746-3	1.231-3
55	70	7.760-3	7.422-3	5.476-3	4.637-3	3.875-3	2.701-3	1.791-3	1.580-3	1.415-3	1.152-3
55	71	1.020-1	1.023-1	1.110-1	1.217-1	1.384-1	1.858-1	2.588-1	2.871-1	3.162-1	3.603-1
55	72	6.642-3	6.140-3	5.602-3	5.445-3	5.305-3	5.070-3	4.856-3	4.812-3	4.788-3	4.627-3
55	73	6.469-4	5.430-4	4.141-4	3.732-4	3.385-4	2.883-4	2.530-4	2.460-4	2.412-4	2.282-4
55	74	2.368-2	2.305-2	2.420-2	2.617-2	2.931-2	3.826-2	5.200-2	5.730-2	6.273-2	7.075-2
55	75	7.223-2	7.135-2	7.650-2	8.330-2	9.380-2	1.231-1	1.675-1	1.847-1	2.023-1	2.282-1
55	76	5.223-3	4.933-3	4.645-3	4.523-3	4.388-3	4.082-3	3.622-3	3.442-3	3.263-3	2.857-3
55	77	2.071-2	2.051-2	2.126-2	2.249-2	2.448-2	3.017-2	3.904-2	4.254-2	4.614-2	5.134-2
55	78	4.108-2	4.114-2	4.410-2	4.754-2	5.274-2	6.699-2	8.856-2	9.692-2	1.055-1	1.178-1
55	79	3.543-4	3.179-4	2.465-4	2.197-4	1.962-4	1.610-4	1.336-4	1.271-4	1.218-4	1.104-4
55	80	2.530-3	2.310-3	1.766-3	1.517-3	1.273-3	8.565-4	4.949-4	4.049-4	3.319-4	2.212-4
55	81	1.563-3	1.127-3	7.021-4	5.825-4	4.833-4	3.376-4	2.179-4	1.858-4	1.578-4	1.107-4
55	82	8.624-3	8.246-3	8.617-3	9.246-3	1.018-2	1.265-2	1.625-2	1.763-2	1.904-2	2.098-2
55	83	3.182-2	3.215-2	3.517-2	3.790-2	4.164-2	5.107-2	6.463-2	6.987-2	7.522-2	8.248-2
55	84	1.377-2	1.329-2	1.310-2	1.336-2	1.386-2	1.538-2	1.792-2	1.899-2	2.012-2	2.156-2
55	85	3.513-4	3.234-4	2.448-4	2.146-4	1.876-4	1.460-4	1.113-4	1.025-4	9.519-5	8.178-5
55	86	3.990-3	3.961-3	4.205-3	4.481-3	4.872-3	5.861-3	7.284-3	7.837-3	8.403-3	9.154-3
55	87	6.735-4	6.252-4	4.534-4	3.785-4	3.090-4	1.991-4	1.109-4	9.005-5	7.361-5	4.957-5
55	88	6.759-4	6.491-4	5.849-4	5.623-4	5.436-4	5.176-4	4.966-4	4.905-4	4.845-4	4.567-4
55	89	5.728-3	4.898-3	3.078-3	2.445-3	1.909-3	1.141-3	5.895-4	4.691-4	3.776-4	2.495-4
55	90	6.068-4	5.906-4	5.497-4	5.365-4	5.264-4	5.129-4	4.968-4	4.897-4	4.813-4	4.477-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a \pm b \equiv a \times 10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
55	91	1.376-4	1.234-4	9.270-5	8.136-5	7.116-5	5.474-5	3.899-5	3.409-5	2.951-5	2.110-5
55	92	3.169-4	2.730-4	2.132-4	1.940-4	1.772-4	1.486-4	1.147-4	1.019-4	8.897-5	6.370-5
55	93	3.267-3	3.412-3	3.830-3	4.111-3	4.462-3	5.267-3	6.369-3	6.800-3	7.245-3	7.814-3
55	94	4.700-3	4.071-3	2.620-3	2.109-3	1.672-3	1.039-3	5.791-4	4.785-4	4.019-4	2.910-4
55	95	1.676-4	1.482-4	9.891-5	8.203-5	6.764-5	4.624-5	2.865-5	2.396-5	1.993-5	1.332-5
55	96	9.500-4	9.098-4	8.214-4	7.939-4	7.726-4	7.437-4	7.167-4	7.072-4	6.968-4	6.524-4
55	97	1.538-3	1.428-3	1.230-3	1.149-3	1.078-3	9.713-4	8.966-4	8.823-4	8.716-4	8.274-4
55	98	8.811-5	7.086-5	4.451-5	3.662-5	3.012-5	2.077-5	1.338-5	1.151-5	9.971-6	7.502-6
55	99	6.836-4	5.719-4	4.179-4	3.767-4	3.451-4	3.049-4	2.806-4	2.764-4	2.736-4	2.608-4
55	100	2.422-4	1.929-4	1.269-4	1.067-4	8.985-5	6.549-5	4.599-5	4.080-5	3.627-5	2.814-5
55	101	4.000-4	3.500-4	2.669-4	2.380-4	2.129-4	1.750-4	1.427-4	1.334-4	1.248-4	1.063-4
55	102	7.671-5	5.803-5	3.870-5	3.319-5	2.857-5	2.151-5	1.495-5	1.296-5	1.114-5	7.938-6
55	103	1.078-3	1.064-3	1.051-3	1.052-3	1.056-3	1.071-3	1.098-3	1.109-3	1.119-3	1.095-3
55	104	1.523-3	1.353-3	9.428-4	7.723-4	6.192-4	3.874-4	2.129-4	1.740-4	1.441-4	1.011-4
55	105	2.767-4	2.866-4	2.650-4	2.546-4	2.455-4	2.325-4	2.235-4	2.216-4	2.199-4	2.092-4
55	106	1.001-1	1.037-1	1.093-1	1.137-1	1.192-1	1.312-1	1.482-1	1.555-1	1.633-1	1.723-1
55	107	2.245-3	2.262-3	1.583-3	1.282-3	1.013-3	6.113-4	3.126-4	2.464-4	1.957-4	1.251-4
55	108	1.957-3	1.855-3	1.351-3	1.158-3	9.927-4	7.464-4	5.459-4	4.905-4	4.398-4	3.412-4
55	109	3.099-4	2.466-4	1.564-4	1.294-4	1.073-4	7.612-5	5.178-5	4.538-5	3.978-5	2.981-5
55	110	1.203-4	1.041-4	8.044-5	7.337-5	6.744-5	5.803-5	4.753-5	4.368-5	3.984-5	3.184-5
55	111	4.173-3	3.818-3	3.717-3	3.803-3	3.927-3	4.223-3	4.681-3	4.890-3	5.119-3	5.379-3
55	112	2.143-4	1.419-4	8.761-5	7.561-5	6.664-5	5.485-5	4.613-5	4.392-5	4.202-5	3.770-5
55	113	3.596-2	3.781-2	4.201-2	4.374-2	4.540-2	4.849-2	5.288-2	5.494-2	5.723-2	5.964-2
55	114	2.537-5	2.116-5	1.663-5	1.533-5	1.419-5	1.222-5	9.714-6	8.744-6	7.768-6	5.840-6
55	115	2.516-5	2.195-5	1.833-5	1.721-5	1.621-5	1.438-5	1.199-5	1.109-5	1.020-5	8.407-6
55	116	3.528-5	3.453-5	3.342-5	3.297-5	3.244-5	3.090-5	2.747-5	2.577-5	2.389-5	1.952-5
55	117	1.239-4	1.304-4	1.410-4	1.440-4	1.460-4	1.458-4	1.374-4	1.324-4	1.265-4	1.107-4
55	118	1.971-4	1.986-4	2.005-4	2.007-4	2.003-4	1.972-4	1.868-4	1.809-4	1.737-4	1.527-4
55	119	2.647-5	2.428-5	2.067-5	1.938-5	1.816-5	1.585-5	1.258-5	1.123-5	9.854-6	7.107-6
55	120	2.769-4	2.873-4	2.916-4	2.930-4	2.947-4	3.000-4	3.135-4	3.217-4	3.313-4	3.391-4
55	121	1.308-4	1.298-4	1.277-4	1.268-4	1.257-4	1.224-4	1.148-4	1.107-4	1.058-4	9.210-5
55	122	3.445-5	3.375-5	3.333-5	3.312-5	3.278-5	3.155-5	2.858-5	2.709-5	2.542-5	2.141-5
55	123	5.240-5	5.046-5	4.941-5	4.905-5	4.855-5	4.686-5	4.298-5	4.109-5	3.903-5	3.385-5
55	124	4.085-4	4.093-4	4.092-4	4.089-4	4.084-4	4.072-4	4.059-4	4.058-4	4.052-4	3.882-4
55	125	8.994-5	8.995-5	8.974-5	8.959-5	8.940-5	8.887-5	8.774-5	8.719-5	8.645-5	8.159-5
56	57	6.866-3	6.303-3	5.382-3	5.166-3	5.229-3	6.617-3	1.035-2	1.164-2	1.267-2	1.350-2
56	58	3.807-3	3.214-3	2.321-3	1.983-3	1.682-3	1.261-3	1.049-3	1.025-3	1.011-3	9.633-4
56	59	1.317-2	1.250-2	1.212-2	1.283-2	1.459-2	2.174-2	3.559-2	4.057-2	4.498-2	4.991-2
56	60	8.491-2	7.960-2	6.702-2	6.248-2	5.863-2	5.325-2	4.934-2	4.844-2	4.781-2	4.594-2
56	61	3.962-3	3.123-3	2.033-3	1.668-3	1.344-3	8.334-4	4.184-4	3.218-4	2.475-4	1.461-4
56	62	5.817-2	5.730-2	5.244-2	5.047-2	4.876-2	4.635-2	4.458-2	4.419-2	4.394-2	4.250-2
56	63	9.805-4	8.297-4	5.803-4	4.831-4	3.917-4	2.418-4	1.200-4	9.288-5	7.289-5	4.728-5
56	64	3.196-2	3.088-2	2.812-2	2.719-2	2.647-2	2.565-2	2.527-2	2.523-2	2.522-2	2.449-2
56	65	4.200-2	3.741-2	2.512-2	2.060-2	1.669-2	1.096-2	6.828-3	5.957-3	5.322-3	4.415-3
56	66	1.613-3	1.496-3	1.053-3	8.730-4	7.134-4	4.778-4	3.155-4	2.858-4	2.678-4	2.475-4
56	67	1.623-2	1.253-2	8.241-3	6.840-3	5.600-3	3.683-3	2.190-3	1.857-3	1.608-3	1.254-3
56	68	2.901-2	2.554-2	1.746-2	1.437-2	1.163-2	7.501-3	4.417-3	3.741-3	3.234-3	2.507-3
56	69	2.558-1	2.567-1	2.794-1	3.070-1	3.499-1	4.726-1	6.625-1	7.366-1	8.131-1	9.304-1
56	70	3.056-2	2.975-2	2.230-2	1.879-2	1.548-2	1.019-2	6.056-3	5.143-3	4.463-3	3.499-3
56	71	8.942-2	8.977-2	9.734-2	1.064-1	1.206-1	1.607-1	2.222-1	2.462-1	2.709-1	3.084-1

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
56	72	1.206-2	1.178-2	1.134-2	1.111-2	1.082-2	1.011-2	8.932-3	8.447-3	7.956-3	6.862-3
56	73	1.341-3	1.095-3	7.383-4	6.211-4	5.177-4	3.565-4	2.248-4	1.928-4	1.669-4	1.261-4
56	74	2.188-2	2.164-2	2.262-2	2.426-2	2.690-2	3.449-2	4.619-2	5.076-2	5.548-2	6.253-2
56	75	6.710-3	6.007-3	5.069-3	4.853-3	4.746-3	4.827-3	5.285-3	5.521-3	5.791-3	6.161-3
56	76	1.086-2	1.039-2	9.858-3	9.694-3	9.549-3	9.310-3	9.038-3	8.956-3	8.892-3	8.549-3
56	77	1.241-2	1.096-2	9.480-3	9.208-3	9.150-3	9.587-3	1.077-2	1.132-2	1.191-2	1.268-2
56	78	1.544-2	1.371-2	1.247-2	1.248-2	1.282-2	1.430-2	1.703-2	1.818-2	1.938-2	2.102-2
56	79	6.228-4	4.960-4	3.170-4	2.575-4	2.065-4	1.311-4	7.401-5	6.081-5	5.046-5	3.527-5
56	80	1.442-1	1.453-1	1.562-1	1.673-1	1.835-1	2.268-1	2.919-1	3.173-1	3.434-1	3.801-1
56	81	1.892-2	1.902-2	2.057-2	2.218-2	2.449-2	3.052-2	3.937-2	4.279-2	4.628-2	5.114-2
56	82	2.564-3	2.065-3	1.452-3	1.283-3	1.158-3	1.031-3	1.026-3	1.055-3	1.096-3	1.153-3
56	83	3.343-3	2.847-3	2.225-3	2.057-3	1.950-3	1.896-3	2.029-3	2.116-3	2.216-3	2.346-3
56	84	1.572-2	1.562-2	1.557-2	1.592-2	1.657-2	1.855-2	2.186-2	2.326-2	2.474-2	2.668-2
56	85	1.545-3	1.254-3	8.411-4	7.121-4	6.027-4	4.395-4	3.029-4	2.657-4	2.332-4	1.764-4
56	86	2.221-3	1.901-3	1.532-3	1.441-3	1.387-3	1.375-3	1.483-3	1.549-3	1.625-3	1.723-3
56	87	2.593-2	2.653-2	2.921-2	3.121-2	3.380-2	3.998-2	4.870-2	5.213-2	5.566-2	6.023-2
56	88	1.471-3	1.369-3	1.072-3	9.541-4	8.504-4	6.972-4	5.874-4	5.647-4	5.478-4	5.081-4
56	89	1.572-2	1.381-2	8.834-3	7.018-3	5.460-3	3.202-3	1.576-3	1.225-3	9.622-4	6.060-4
56	90	6.137-4	6.100-4	5.161-4	4.728-4	4.336-4	3.732-4	3.246-4	3.123-4	3.018-4	2.757-4
56	91	3.061-4	3.131-4	2.921-4	2.781-4	2.643-4	2.416-4	2.229-4	2.183-4	2.143-4	2.007-4
56	92	1.061-3	1.060-3	9.861-4	9.565-4	9.325-4	9.022-4	8.862-4	8.843-4	8.828-4	8.494-4
56	93	3.560-3	3.699-3	3.978-3	4.192-3	4.478-3	5.171-3	6.159-3	6.558-3	6.975-3	7.515-3
56	94	1.124-2	1.015-2	6.583-3	5.245-3	4.085-3	2.387-3	1.155-3	8.901-4	6.930-4	4.314-4
56	95	7.749-4	7.236-4	5.243-4	4.543-4	3.959-4	3.110-4	2.368-4	2.145-4	1.938-4	1.540-4
56	96	1.118-3	1.037-3	7.911-4	7.018-4	6.261-4	5.182-4	4.413-4	4.247-4	4.119-4	3.807-4
56	97	1.909-3	1.578-3	9.915-4	7.950-4	6.275-4	3.830-4	2.035-4	1.639-4	1.337-4	9.150-5
56	98	2.331-4	1.900-4	1.180-4	9.477-5	7.536-5	4.741-5	2.646-5	2.160-5	1.779-5	1.227-5
56	99	5.981-4	4.598-4	2.694-4	2.145-4	1.703-4	1.088-4	6.376-5	5.316-5	4.460-5	3.135-5
56	100	1.039-3	8.939-4	6.378-4	5.569-4	4.901-4	3.941-4	3.166-4	2.952-4	2.756-4	2.343-4
56	101	2.655-4	2.139-4	1.415-4	1.151-4	9.181-5	5.660-5	2.988-5	2.386-5	1.923-5	1.273-5
56	102	4.570-4	3.480-4	2.304-4	2.010-4	1.784-4	1.465-4	1.157-4	1.051-4	9.465-5	7.362-5
56	103	2.858-4	2.423-4	1.831-4	1.643-4	1.483-4	1.246-4	1.045-4	9.885-5	9.374-5	8.235-5
56	104	1.798-3	1.663-3	1.179-3	9.645-4	7.690-4	4.704-4	2.482-4	2.005-4	1.654-4	1.180-4
56	105	2.883-4	2.523-4	1.973-4	1.788-4	1.630-4	1.397-4	1.217-4	1.172-4	1.135-4	1.039-4
56	106	3.227-2	3.326-2	3.462-2	3.591-2	3.753-2	4.118-2	4.645-2	4.872-2	5.115-2	5.396-2
56	107	4.255-3	4.206-3	2.896-3	2.345-3	1.860-3	1.143-3	6.165-4	5.007-4	4.124-4	2.868-4
56	108	1.759-1	1.769-1	1.787-1	1.838-1	1.906-1	2.067-1	2.311-1	2.418-1	2.534-1	2.664-1
56	109	1.588-3	1.321-3	8.966-4	7.776-4	6.860-4	5.712-4	5.131-4	5.096-4	5.125-4	5.106-4
56	110	4.126-4	3.449-4	2.304-4	1.937-4	1.630-4	1.180-4	8.082-5	7.060-5	6.162-5	4.589-5
56	111	5.255-3	4.779-3	4.619-3	4.723-3	4.878-3	5.253-3	5.824-3	6.082-3	6.364-3	6.685-3
56	112	4.383-4	3.763-4	3.401-4	3.367-4	3.365-4	3.417-4	3.576-4	3.670-4	3.781-4	3.875-4
56	113	9.331-2	9.843-2	1.100-1	1.148-1	1.195-1	1.282-1	1.403-1	1.459-1	1.522-1	1.590-1
56	114	1.442-4	1.344-4	1.247-4	1.222-4	1.202-4	1.168-4	1.124-4	1.105-4	1.085-4	1.006-4
56	115	9.659-5	8.280-5	6.852-5	6.437-5	6.065-5	5.375-5	4.381-5	3.965-5	3.534-5	2.656-5
56	116	2.870-4	2.838-4	2.816-4	2.811-4	2.803-4	2.759-4	2.614-4	2.531-4	2.431-4	2.139-4
56	117	1.432-4	1.366-4	1.300-4	1.282-4	1.267-4	1.239-4	1.195-4	1.175-4	1.152-4	1.066-4
56	118	3.144-5	2.882-5	2.563-5	2.466-5	2.377-5	2.204-5	1.929-5	1.806-5	1.673-5	1.370-5
56	119	9.545-4	9.786-4	1.020-3	1.034-3	1.046-3	1.060-3	1.059-3	1.056-3	1.050-3	9.992-4
56	120	1.673-4	1.664-4	1.516-4	1.457-4	1.403-4	1.308-4	1.192-4	1.150-4	1.108-4	9.967-5
56	121	3.205-5	3.080-5	2.907-5	2.848-5	2.787-5	2.637-5	2.344-5	2.206-5	2.055-5	1.706-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
56	122	1.308-4	1.293-4	1.277-4	1.271-4	1.264-4	1.243-4	1.188-4	1.159-4	1.123-4	1.010-4
56	123	2.438-4	2.431-4	2.438-4	2.444-4	2.450-4	2.467-4	2.498-4	2.512-4	2.523-4	2.441-4
56	124	4.693-4	4.692-4	4.673-4	4.653-4	4.621-4	4.504-4	4.215-4	4.065-4	3.892-4	3.408-4
56	125	9.257-5	9.252-5	9.218-5	9.193-5	9.160-5	9.061-5	8.863-5	8.779-5	8.683-5	8.183-5
57	58	5.358-4	4.816-4	3.488-4	2.930-4	2.412-4	1.591-4	9.460-5	8.033-5	6.968-5	5.455-5
57	59	7.372-4	6.385-4	4.437-4	3.681-4	2.982-4	1.852-4	9.335-5	7.246-5	5.674-5	3.582-5
57	60	1.178-3	9.376-4	5.821-4	4.647-4	3.642-4	2.171-4	1.107-4	8.858-5	7.268-5	5.241-5
57	61	5.021-4	4.151-4	2.797-4	2.295-4	1.843-4	1.137-4	5.788-5	4.504-5	3.513-5	2.139-5
57	62	1.818-3	1.638-3	1.236-3	1.120-3	1.065-3	1.165-3	1.567-3	1.733-3	1.885-3	2.054-3
57	63	4.593-4	4.086-4	2.907-4	2.455-4	2.035-4	1.338-4	7.362-5	5.902-5	4.755-5	3.113-5
57	64	3.036-3	2.806-3	2.492-3	2.536-3	2.750-3	3.681-3	5.554-3	6.408-3	7.374-3	9.164-3
57	65	3.554-3	3.067-3	1.999-3	1.643-3	1.362-3	1.030-3	9.255-4	9.501-4	1.002-3	1.118-3
57	66	9.767-2	8.783-2	7.379-2	7.009-2	6.746-2	6.465-2	6.294-2	6.241-2	6.190-2	5.918-2
57	67	2.486-3	2.195-3	1.856-3	1.848-3	1.945-3	2.422-3	3.344-3	3.738-3	4.166-3	4.884-3
57	68	4.261-3	3.437-3	2.183-3	1.768-3	1.417-3	9.060-4	5.272-4	4.417-4	3.758-4	2.797-4
57	69	1.448-3	1.054-3	6.942-4	6.069-4	5.381-4	4.403-4	3.592-4	3.366-4	3.162-4	2.733-4
57	70	2.850-3	2.440-3	1.954-3	1.897-3	1.941-3	2.276-3	2.956-3	3.243-3	3.549-3	4.027-3
57	71	1.496-3	1.164-3	8.806-4	8.080-4	7.486-4	6.625-4	5.942-4	5.771-4	5.624-4	5.218-4
57	72	5.467-4	3.719-4	2.022-4	1.594-4	1.258-4	7.974-5	4.593-5	3.790-5	3.146-5	2.174-5
57	73	2.800-1	2.815-1	3.073-1	3.374-1	3.838-1	5.141-1	7.146-1	7.929-1	8.742-1	9.987-1
57	74	3.363-3	3.158-3	2.913-3	2.828-3	2.745-3	2.575-3	2.295-3	2.159-3	2.002-3	1.618-3
57	75	3.408-3	3.162-3	2.871-3	2.770-3	2.672-3	2.480-3	2.190-3	2.056-3	1.903-3	1.535-3
57	76	3.865-4	3.154-4	2.402-4	2.183-4	1.996-4	1.713-4	1.479-4	1.420-4	1.370-4	1.255-4
57	77	5.532-3	5.244-3	4.941-3	4.837-3	4.735-3	4.520-3	4.135-3	3.940-3	3.710-3	3.114-3
57	78	6.229-3	6.117-3	5.961-3	5.906-3	5.854-3	5.741-3	5.479-3	5.329-3	5.145-3	4.584-3
57	79	1.165-2	1.158-2	1.139-2	1.128-2	1.115-2	1.077-2	1.002-2	9.689-3	9.353-3	8.471-3
57	80	9.153-3	9.108-3	8.989-3	8.931-3	8.864-3	8.680-3	8.256-3	8.029-3	7.757-3	6.937-3
57	81	3.242-4	2.941-4	2.551-4	2.432-4	2.329-4	2.159-4	1.954-4	1.870-4	1.778-4	1.541-4
57	82	3.016-4	2.644-4	2.021-4	1.756-4	1.507-4	1.105-4	7.571-5	6.620-5	5.777-5	4.267-5
57	83	9.831-4	9.397-4	8.703-4	8.450-4	8.215-4	7.779-4	7.125-4	6.813-4	6.451-4	5.498-4
57	84	4.339-3	4.224-3	3.954-3	3.850-3	3.752-3	3.571-3	3.308-3	3.187-3	3.046-3	2.657-3
57	85	1.010-4	8.886-5	6.205-5	5.259-5	4.446-5	3.227-5	2.207-5	1.925-5	1.673-5	1.225-5
57	86	3.762-4	3.559-4	2.904-4	2.655-4	2.436-4	2.094-4	1.769-4	1.662-4	1.555-4	1.313-4
57	87	4.440-4	4.289-4	3.997-4	3.892-4	3.797-4	3.616-4	3.321-4	3.177-4	3.009-4	2.570-4
57	88	5.639-4	5.750-4	6.414-4	6.921-4	7.573-4	9.089-4	1.112-3	1.189-3	1.267-3	1.365-3
57	89	1.070-4	9.637-5	6.705-5	5.483-5	4.359-5	2.599-5	1.232-5	9.269-6	6.977-6	3.953-6
57	90	1.945-4	1.840-4	1.679-4	1.625-4	1.575-4	1.476-4	1.321-4	1.255-4	1.188-4	1.032-4
57	91	8.910-5	8.919-5	9.164-5	9.483-5	9.936-5	1.103-4	1.242-4	1.292-4	1.342-4	1.385-4
57	92	3.410-5	2.696-5	1.823-5	1.573-5	1.368-5	1.059-5	7.667-6	6.726-6	5.832-6	4.180-6
57	93	3.558-4	3.053-4	2.047-4	1.724-4	1.454-4	1.062-4	7.398-5	6.500-5	5.686-5	4.196-5
57	94	1.928-4	1.844-4	1.636-4	1.578-4	1.545-4	1.549-4	1.656-4	1.722-4	1.798-4	1.889-4
57	95	6.732-5	5.591-5	4.251-5	3.878-5	3.572-5	3.096-5	2.578-5	2.396-5	2.220-5	1.859-5
57	96	9.164-5	8.496-5	7.534-5	7.221-5	6.939-5	6.431-5	5.757-5	5.495-5	5.232-5	4.604-5
57	97	8.566-5	7.845-5	6.876-5	6.631-5	6.463-5	6.312-5	6.362-5	6.442-5	6.549-5	6.569-5
57	98	4.637-5	4.003-5	3.245-5	3.021-5	2.824-5	2.468-5	1.970-5	1.764-5	1.549-5	1.119-5
57	99	2.012-4	1.892-4	1.761-4	1.717-4	1.672-4	1.569-4	1.374-4	1.285-4	1.191-4	9.812-5
57	100	2.348-4	2.353-4	2.401-4	2.448-4	2.508-4	2.646-4	2.839-4	2.919-4	3.005-4	3.063-4
57	101	1.159-3	1.231-3	1.359-3	1.442-3	1.540-3	1.755-3	2.048-3	2.166-3	2.291-3	2.445-3
57	102	3.315-5	3.282-5	3.160-5	3.110-5	3.067-5	3.023-5	3.072-5	3.132-5	3.210-5	3.271-5
57	103	2.807-4	2.788-4	2.724-4	2.686-4	2.636-4	2.493-4	2.193-4	2.055-4	1.909-4	1.587-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
57	104	2.084-3	2.219-3	2.423-3	2.564-3	2.732-3	3.098-3	3.595-3	3.799-3	4.014-3	4.278-3
57	105	1.780-4	1.855-4	1.945-4	2.011-4	2.090-4	2.255-4	2.456-4	2.533-4	2.613-4	2.675-4
57	106	4.475-4	4.404-4	3.757-4	3.480-4	3.227-4	2.814-4	2.383-4	2.225-4	2.060-4	1.679-4
57	107	6.292-5	6.124-5	4.736-5	4.185-5	3.707-5	3.023-5	2.594-5	2.538-5	2.520-5	2.464-5
57	108	2.743-4	2.724-4	2.557-4	2.480-4	2.405-4	2.253-4	2.005-4	1.885-4	1.748-4	1.415-4
57	109	3.879-5	3.373-5	2.272-5	1.909-5	1.605-5	1.163-5	8.108-6	7.160-6	6.312-6	4.756-6
57	110	1.274-5	1.085-5	7.009-6	5.708-6	4.608-6	3.021-6	1.840-6	1.562-6	1.336-6	9.720-7
57	111	7.090-5	6.048-5	4.022-5	3.265-5	2.601-5	1.612-5	8.731-6	7.056-6	5.748-6	3.828-6
57	112	2.513-5	1.918-5	1.114-5	8.840-6	7.007-6	4.502-6	2.734-6	2.335-6	2.019-6	1.526-6
57	113	2.005-4	1.877-4	1.671-4	1.597-4	1.527-4	1.401-4	1.216-4	1.131-4	1.036-4	8.123-5
57	114	5.059-6	3.530-6	1.893-6	1.469-6	1.139-6	7.000-7	3.978-7	3.317-7	2.812-7	2.078-7
57	115	5.516-6	3.815-6	2.034-6	1.583-6	1.234-6	7.679-7	4.319-7	3.514-7	2.855-7	1.846-7
57	116	1.878-4	1.989-4	2.209-4	2.296-4	2.378-4	2.535-4	2.765-4	2.874-4	2.995-4	3.121-4
57	117	1.657-5	1.484-5	1.252-5	1.186-5	1.131-5	1.037-5	9.115-6	8.570-6	7.970-6	6.536-6
57	118	2.687-5	2.719-5	2.796-5	2.835-5	2.876-5	2.966-5	3.132-5	3.220-5	3.320-5	3.401-5
57	119	5.592-6	4.566-6	3.342-6	2.991-6	2.702-6	2.265-6	1.853-6	1.730-6	1.621-6	1.401-6
57	120	1.020-5	8.465-6	6.042-6	5.290-6	4.662-6	3.741-6	2.976-6	2.765-6	2.575-6	2.192-6
57	121	2.355-4	2.468-4	2.648-4	2.717-4	2.783-4	2.914-4	3.129-4	3.240-4	3.366-4	3.495-4
57	122	1.818-4	1.847-4	1.938-4	1.977-4	2.015-4	2.097-4	2.247-4	2.326-4	2.416-4	2.507-4
57	123	9.731-6	9.407-6	9.080-6	8.970-6	8.853-6	8.547-6	7.851-6	7.473-6	7.019-6	5.832-6
57	124	1.207-4	1.214-4	1.224-4	1.230-4	1.237-4	1.262-4	1.326-4	1.364-4	1.408-4	1.445-4
57	125	8.552-7	8.509-7	8.367-7	8.274-7	8.150-7	7.781-7	6.998-7	6.634-7	6.245-7	5.325-7
58	59	3.420-2	3.370-2	3.151-2	3.047-2	2.946-2	2.775-2	2.624-2	2.593-2	2.583-2	2.554-2
58	60	1.400-2	1.301-2	1.178-2	1.204-2	1.326-2	1.915-2	3.133-2	3.565-2	3.936-2	4.321-2
58	61	4.712-2	4.742-2	4.494-2	4.317-2	4.115-2	3.708-2	3.251-2	3.115-2	2.998-2	2.750-2
58	62	7.640-3	7.037-3	5.868-3	5.560-3	5.512-3	6.365-3	8.767-3	9.722-3	1.060-2	1.157-2
58	63	2.811-2	2.542-2	2.213-2	2.117-2	2.035-2	1.904-2	1.783-2	1.752-2	1.728-2	1.649-2
58	64	1.541-3	1.442-3	1.094-3	9.348-4	7.814-4	5.241-4	2.999-4	2.432-4	1.969-4	1.273-4
58	65	5.053-3	4.511-3	3.236-3	2.681-3	2.152-3	1.290-3	6.001-4	4.466-4	3.327-4	1.863-4
58	66	1.655-3	1.526-3	1.088-3	9.063-4	7.398-4	4.785-4	2.759-4	2.318-4	1.995-4	1.558-4
58	67	3.354-3	3.004-3	2.262-3	1.903-3	1.548-3	9.489-4	4.541-4	3.413-4	2.562-4	1.439-4
58	68	6.125-3	5.218-3	3.694-3	3.058-3	2.456-3	1.482-3	7.101-4	5.399-4	4.145-4	2.543-4
58	69	9.808-3	9.170-3	7.422-3	6.549-3	5.612-3	3.821-3	2.111-3	1.685-3	1.351-3	8.801-4
58	70	5.088-3	4.958-3	3.749-3	3.135-3	2.535-3	1.547-3	7.579-4	5.849-4	4.580-4	2.955-4
58	71	7.145-3	7.359-3	6.484-3	5.909-3	5.273-3	4.037-3	2.801-3	2.468-3	2.191-3	1.732-3
58	72	1.851-2	2.049-2	2.036-2	1.927-2	1.776-2	1.434-2	1.046-2	9.288-3	8.238-3	6.323-3
58	73	1.562-3	1.306-3	8.999-4	7.513-4	6.212-4	4.333-4	3.139-4	2.964-4	2.892-4	2.850-4
58	74	2.913-3	2.567-3	1.938-3	1.672-3	1.410-3	9.462-4	5.284-4	4.253-4	3.439-4	2.269-4
58	75	1.857-3	1.772-3	1.443-3	1.259-3	1.065-3	7.059-4	3.762-4	2.952-4	2.319-4	1.434-4
58	76	3.987-2	4.088-2	3.597-2	3.252-2	2.846-2	2.018-2	1.187-2	9.706-3	7.954-3	5.313-3
58	77	1.514-2	1.284-2	1.019-2	9.152-3	8.062-3	5.986-3	4.001-3	3.509-3	3.123-3	2.524-3
58	78	1.697-2	1.384-2	1.068-2	9.498-3	8.295-3	6.073-3	4.008-3	3.502-3	3.107-3	2.497-3
58	79	4.307-3	3.830-3	2.980-3	2.659-3	2.389-3	2.051-3	1.942-3	1.971-3	2.027-3	2.108-3
58	80	5.484-3	4.995-3	3.597-3	2.975-3	2.385-3	1.432-3	6.731-4	5.042-4	3.786-4	2.165-4
58	81	4.124-3	3.747-3	2.545-3	2.059-3	1.623-3	9.592-4	4.615-4	3.535-4	2.733-4	1.680-4
58	82	3.077-3	3.005-3	2.094-3	1.699-3	1.347-3	8.206-4	4.343-4	3.508-4	2.884-4	2.026-4
58	83	4.757-3	4.190-3	2.702-3	2.149-3	1.670-3	9.694-4	4.602-4	3.504-4	2.686-4	1.606-4
58	84	2.556-3	2.155-3	1.365-3	1.081-3	8.358-4	4.779-4	2.188-4	1.633-4	1.221-4	6.857-5
58	85	3.552-3	3.208-3	2.260-3	1.872-3	1.514-3	9.438-4	4.872-4	3.815-4	2.998-4	1.853-4
58	86	3.858-3	3.407-3	2.213-3	1.780-3	1.405-3	8.528-4	4.466-4	3.583-4	2.922-4	2.014-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
58	87	5.499-3	4.693-3	2.985-3	2.382-3	1.863-3	1.099-3	5.396-4	4.185-4	3.283-4	2.082-4
58	88	8.569-3	8.237-3	8.392-3	8.756-3	9.292-3	1.065-2	1.264-2	1.345-2	1.429-2	1.538-2
58	89	1.029-2	8.765-3	6.489-3	5.513-3	4.574-3	3.046-3	1.872-3	1.636-3	1.477-3	1.279-3
58	90	6.943-3	6.537-3	6.395-3	6.572-3	6.880-3	7.732-3	9.054-3	9.601-3	1.018-2	1.090-2
58	91	4.199-4	3.115-4	1.901-4	1.529-4	1.208-4	7.273-5	3.656-5	2.871-5	2.291-5	1.526-5
58	92	4.085-3	3.137-3	2.034-3	1.675-3	1.360-3	8.843-4	5.307-4	4.563-4	4.026-4	3.285-4
58	93	1.157-3	9.837-4	6.425-4	5.222-4	4.175-4	2.618-4	1.458-4	1.202-4	1.009-4	7.355-5
58	94	7.284-3	7.823-3	7.205-3	6.527-3	5.777-3	4.451-3	3.431-3	3.255-3	3.161-3	3.030-3
58	95	3.905-3	3.614-3	3.291-3	3.247-3	3.260-3	3.413-3	3.780-3	3.960-3	4.159-3	4.403-3
58	96	4.977-2	5.129-2	5.553-2	5.843-2	6.205-2	7.034-2	8.196-2	8.668-2	9.162-2	9.765-2
58	97	4.929-2	5.115-2	5.588-2	5.898-2	6.282-2	7.153-2	8.354-2	8.840-2	9.352-2	9.987-2
58	98	1.612-3	1.251-3	7.924-4	6.375-4	5.014-4	2.957-4	1.405-4	1.065-4	8.121-5	4.803-5
58	99	1.603-2	1.639-2	1.708-2	1.768-2	1.846-2	2.034-2	2.310-2	2.426-2	2.550-2	2.694-2
58	100	7.013-3	7.285-3	7.817-3	8.183-3	8.636-3	9.657-3	1.108-2	1.168-2	1.231-2	1.308-2
58	101	2.696-4	2.134-4	1.459-4	1.222-4	1.011-4	6.836-5	4.216-5	3.574-5	3.044-5	2.181-5
58	102	1.210-2	1.258-2	1.302-2	1.336-2	1.382-2	1.491-2	1.661-2	1.736-2	1.816-2	1.905-2
58	103	4.161-3	4.201-3	4.101-3	4.104-3	4.142-3	4.289-3	4.575-3	4.710-3	4.856-3	4.965-3
58	104	5.836-4	5.632-4	4.530-4	3.968-4	3.423-4	2.518-4	1.734-4	1.526-4	1.344-4	1.016-4
58	105	2.242-2	2.350-2	2.499-2	2.609-2	2.744-2	3.044-2	3.464-2	3.643-2	3.834-2	4.065-2
58	106	1.347-3	1.226-3	8.552-4	6.938-4	5.456-4	3.163-4	1.430-4	1.054-4	7.773-5	4.228-5
58	107	9.853-4	8.997-4	6.500-4	5.438-4	4.458-4	2.917-4	1.698-4	1.413-4	1.187-4	8.408-5
58	108	2.161-3	2.092-3	1.486-3	1.210-3	9.565-4	5.657-4	2.716-4	2.081-4	1.612-4	1.001-4
58	109	7.879-3	6.833-3	4.323-3	3.428-3	2.661-3	1.546-3	7.427-4	5.708-4	4.432-4	2.744-4
58	110	2.412-3	1.997-3	1.243-3	9.827-4	7.608-4	4.401-4	2.092-4	1.593-4	1.220-4	7.228-5
58	111	2.027-3	1.690-3	1.075-3	8.558-4	6.665-4	3.886-4	1.864-4	1.429-4	1.106-4	6.764-5
58	112	2.539-3	2.067-3	1.221-3	9.533-4	7.330-4	4.263-4	2.124-4	1.667-4	1.324-4	8.536-5
58	113	2.190-4	1.839-4	1.185-4	9.453-5	7.358-5	4.259-5	1.983-5	1.489-5	1.120-5	6.356-6
58	114	6.873-2	7.136-2	7.824-2	8.123-2	8.414-2	8.962-2	9.750-2	1.011-1	1.051-1	1.090-1
58	115	2.330-3	1.859-3	1.301-3	1.149-3	1.028-3	8.559-4	7.035-4	6.527-4	6.006-4	4.830-4
58	116	2.828-3	2.750-3	2.781-3	2.822-3	2.871-3	2.981-3	3.174-3	3.274-3	3.388-3	3.494-3
58	117	2.464-3	2.410-3	2.427-3	2.456-3	2.490-3	2.569-3	2.708-3	2.779-3	2.860-3	2.916-3
58	118	1.727-3	1.546-3	1.296-3	1.224-3	1.165-3	1.069-3	9.502-4	8.976-4	8.370-4	6.847-4
58	119	2.949-3	2.910-3	2.963-3	3.004-3	3.051-3	3.156-3	3.354-3	3.457-3	3.574-3	3.676-3
58	120	5.834-4	5.400-4	3.509-4	2.801-4	2.196-4	1.324-4	6.911-5	5.508-5	4.428-5	2.888-5
58	121	1.025-3	9.511-4	8.831-4	8.643-4	8.471-4	8.117-4	7.431-4	7.061-4	6.611-4	5.431-4
58	122	4.141-2	4.194-2	4.383-2	4.467-2	4.553-2	4.731-2	5.043-2	5.210-2	5.402-2	5.593-2
58	123	1.816-2	1.806-2	1.868-2	1.898-2	1.930-2	1.999-2	2.128-2	2.198-2	2.278-2	2.357-2
58	124	1.556-3	1.559-3	1.573-3	1.583-3	1.595-3	1.628-3	1.710-3	1.759-3	1.818-3	1.871-3
58	125	2.495-3	2.495-3	2.490-3	2.486-3	2.480-3	2.460-3	2.407-3	2.378-3	2.339-3	2.171-3
59	60	4.785-3	4.122-3	2.914-3	2.472-3	2.077-3	1.478-3	1.041-3	9.483-4	8.779-4	7.625-4
59	61	3.410-2	3.130-2	2.782-2	2.660-2	2.544-2	2.342-2	2.138-2	2.085-2	2.048-2	1.961-2
59	62	3.767-3	3.359-3	2.557-3	2.226-3	1.926-3	1.497-3	1.274-3	1.246-3	1.230-3	1.171-3
59	63	2.913-2	2.815-2	2.684-2	2.649-2	2.625-2	2.608-2	2.612-2	2.618-2	2.629-2	2.586-2
59	64	2.562-3	2.418-3	1.958-3	1.798-3	1.697-3	1.719-3	2.065-3	2.225-3	2.379-3	2.544-3
59	65	4.658-3	4.227-3	3.022-3	2.512-3	2.044-3	1.329-3	8.270-4	7.319-4	6.686-4	5.841-4
59	66	1.617-3	1.591-3	1.195-3	1.013-3	8.424-4	5.701-4	3.543-4	3.066-4	2.713-4	2.218-4
59	67	2.477-3	2.214-3	1.639-3	1.372-3	1.111-3	6.784-4	3.259-4	2.463-4	1.867-4	1.088-4
59	68	7.432-3	5.911-3	3.748-3	3.067-3	2.500-3	1.726-3	1.280-3	1.232-3	1.230-3	1.273-3
59	69	4.843-3	5.055-3	4.601-3	4.212-3	3.761-3	2.865-3	1.975-3	1.741-3	1.551-3	1.245-3
59	70	3.247-3	3.069-3	2.337-3	1.967-3	1.599-3	9.766-4	4.617-4	3.451-4	2.578-4	1.443-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
59	71	1.027-2	1.267-2	1.297-2	1.204-2	1.067-2	7.514-3	4.145-3	3.272-3	2.578-3	1.593-3
59	72	1.103-2	1.030-2	9.140-3	8.655-3	8.129-3	7.022-3	5.612-3	5.109-3	4.610-3	3.588-3
59	73	1.747-3	1.592-3	1.438-3	1.431-3	1.472-3	1.687-3	2.127-3	2.322-3	2.535-3	2.874-3
59	74	3.097-3	2.906-3	2.439-3	2.172-3	1.867-3	1.256-3	6.544-4	5.047-4	3.883-4	2.291-4
59	75	3.656-3	3.536-3	3.099-3	2.785-3	2.406-3	1.615-3	8.265-4	6.312-4	4.808-4	2.789-4
59	76	1.528-2	1.398-2	1.190-2	1.091-2	9.795-3	7.493-3	4.990-3	4.266-3	3.636-3	2.577-3
59	77	1.187-2	1.161-2	9.860-3	8.780-3	7.567-3	5.197-3	2.940-3	2.389-3	1.964-3	1.367-3
59	78	1.325-2	1.178-2	9.288-3	8.124-3	6.908-3	4.672-3	2.630-3	2.139-3	1.761-3	1.231-3
59	79	1.891-3	1.601-3	1.173-3	1.013-3	8.734-4	6.742-4	5.509-4	5.332-4	5.260-4	5.142-4
59	80	3.133-3	2.677-3	1.864-3	1.538-3	1.235-3	7.457-4	3.537-4	2.652-4	1.986-4	1.112-4
59	81	1.606-3	1.456-3	1.013-3	8.281-4	6.589-4	3.945-4	1.894-4	1.437-4	1.094-4	6.372-5
59	82	1.981-3	1.824-3	1.269-3	1.032-3	8.186-4	4.913-4	2.430-4	1.879-4	1.461-4	8.962-5
59	83	4.502-3	4.105-3	2.851-3	2.333-3	1.861-3	1.130-3	5.702-4	4.478-4	3.567-4	2.356-4
59	84	2.603-3	2.193-3	1.413-3	1.128-3	8.781-4	5.060-4	2.323-4	1.737-4	1.306-4	7.540-5
59	85	1.701-3	1.337-3	8.614-4	7.019-4	5.617-4	3.472-4	1.798-4	1.413-4	1.117-4	7.021-5
59	86	4.087-3	3.697-3	2.464-3	1.985-3	1.560-3	9.172-4	4.378-4	3.342-4	2.575-4	1.573-4
59	87	2.438-3	2.066-3	1.349-3	1.093-3	8.678-4	5.278-4	2.704-4	2.133-4	1.702-4	1.114-4
59	88	5.746-3	5.405-3	5.359-3	5.518-3	5.777-3	6.487-3	7.593-3	8.053-3	8.536-3	9.149-3
59	89	6.220-3	5.413-3	4.039-3	3.433-3	2.854-3	1.919-3	1.211-3	1.072-3	9.812-4	8.690-4
59	90	4.328-3	4.191-3	4.031-3	4.045-3	4.116-3	4.390-3	4.924-3	5.171-3	5.438-3	5.766-3
59	91	9.930-4	8.722-4	7.188-4	6.862-4	6.703-4	6.786-4	7.406-4	7.753-4	8.150-4	8.668-4
59	92	1.539-3	1.156-3	7.252-4	5.906-4	4.743-4	2.992-4	1.641-4	1.329-4	1.084-4	7.230-5
59	93	1.221-3	1.026-3	6.479-4	5.187-4	4.084-4	2.473-4	1.294-4	1.035-4	8.386-5	5.647-5
59	94	5.627-3	5.808-3	5.158-3	4.768-3	4.397-3	3.853-3	3.603-3	3.632-3	3.711-3	3.813-3
59	95	1.064-3	8.369-4	5.285-4	4.254-4	3.355-4	2.003-4	9.898-5	7.694-5	6.059-5	3.902-5
59	96	1.563-2	1.598-2	1.689-2	1.755-2	1.838-2	2.038-2	2.334-2	2.457-2	2.587-2	2.742-2
59	97	1.992-2	2.058-2	2.220-2	2.330-2	2.467-2	2.784-2	3.234-2	3.418-2	3.611-2	3.845-2
59	98	7.450-4	6.193-4	4.226-4	3.497-4	2.830-4	1.772-4	9.213-5	7.226-5	5.681-5	3.514-5
59	99	5.261-3	5.244-3	5.308-3	5.432-3	5.615-3	6.085-3	6.830-3	7.155-3	7.502-3	7.900-3
59	100	9.041-4	7.386-4	4.911-4	4.051-4	3.294-4	2.149-4	1.284-4	1.092-4	9.453-5	7.291-5
59	101	3.621-3	3.717-3	3.934-3	4.107-3	4.327-3	4.833-3	5.556-3	5.859-3	6.181-3	6.574-3
59	102	5.497-4	5.631-4	4.644-4	4.059-4	3.474-4	2.490-4	1.655-4	1.448-4	1.277-4	9.898-5
59	103	2.043-2	2.145-2	2.286-2	2.385-2	2.506-2	2.776-2	3.165-2	3.330-2	3.504-2	3.710-2
59	104	2.130-2	2.249-2	2.427-2	2.547-2	2.692-2	3.009-2	3.446-2	3.629-2	3.823-2	4.055-2
59	105	4.814-3	4.940-3	4.904-3	4.903-3	4.926-3	5.034-3	5.279-3	5.404-3	5.542-3	5.615-3
59	106	3.253-3	2.990-3	2.064-3	1.668-3	1.307-3	7.561-4	3.447-4	2.566-4	1.920-4	1.096-4
59	107	4.141-3	4.173-3	4.180-3	4.250-3	4.353-3	4.619-3	5.069-3	5.283-3	5.519-3	5.786-3
59	108	1.673-3	1.647-3	1.146-3	9.249-4	7.249-4	4.206-4	1.940-4	1.452-4	1.092-4	6.273-5
59	109	2.916-3	2.515-3	1.687-3	1.364-3	1.076-3	6.410-4	3.150-4	2.433-4	1.894-4	1.164-4
59	110	1.127-3	1.032-3	6.924-4	5.552-4	4.333-4	2.505-4	1.153-4	8.610-5	6.438-5	3.614-5
59	111	3.842-3	3.126-3	1.908-3	1.504-3	1.164-3	6.773-4	3.306-4	2.564-4	2.010-4	1.267-4
59	112	2.821-3	2.363-3	1.407-3	1.096-3	8.397-4	4.824-4	2.337-4	1.807-4	1.412-4	8.821-5
59	113	2.930-4	2.286-4	1.389-4	1.099-4	8.546-5	5.039-5	2.506-5	1.952-5	1.533-5	9.585-6
59	114	3.632-3	3.098-3	2.484-3	2.315-3	2.177-3	1.965-3	1.726-3	1.626-3	1.514-3	1.236-3
59	115	4.064-4	3.011-4	1.666-4	1.279-4	9.690-5	5.443-5	2.510-5	1.885-5	1.418-5	8.020-6
59	116	1.364-2	1.439-2	1.588-2	1.647-2	1.704-2	1.812-2	1.971-2	2.047-2	2.132-2	2.222-2
59	117	1.144-2	1.193-2	1.304-2	1.350-2	1.395-2	1.481-2	1.610-2	1.672-2	1.741-2	1.812-2
59	118	2.386-2	2.539-2	2.821-2	2.931-2	3.035-2	3.229-2	3.509-2	3.644-2	3.795-2	3.954-2
59	119	6.437-4	4.851-4	3.142-4	2.703-4	2.361-4	1.889-4	1.496-4	1.375-4	1.256-4	1.002-4
59	120	6.654-4	5.896-4	3.806-4	3.038-4	2.381-4	1.428-4	7.401-5	5.900-5	4.762-5	3.175-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
59	121	1.078-2	1.123-2	1.199-2	1.229-2	1.257-2	1.313-2	1.405-2	1.452-2	1.506-2	1.559-2
59	122	4.260-3	4.236-3	4.318-3	4.361-3	4.403-3	4.483-3	4.610-3	4.675-3	4.745-3	4.708-3
59	123	3.188-2	3.178-2	3.299-2	3.355-2	3.412-2	3.534-2	3.762-2	3.882-2	4.020-2	4.148-2
59	124	7.665-4	7.623-4	7.640-4	7.669-4	7.712-4	7.854-4	8.233-4	8.463-4	8.733-4	8.961-4
59	125	5.255-3	5.270-3	5.301-3	5.320-3	5.346-3	5.431-3	5.657-3	5.790-3	5.943-3	6.031-3
60	61	1.211-2	1.002-2	7.368-3	6.701-3	6.495-3	7.986-3	1.264-2	1.412-2	1.517-2	1.567-2
60	62	1.323-1	1.019-1	7.311-2	6.427-2	5.577-2	4.036-2	2.576-2	2.226-2	1.975-2	1.682-2
60	63	2.106-3	1.581-3	9.602-4	7.789-4	6.285-4	4.112-4	2.552-4	2.237-4	2.021-4	1.736-4
60	64	3.479-2	3.561-2	3.463-2	3.391-2	3.306-2	3.126-2	2.931-2	2.884-2	2.856-2	2.765-2
60	65	1.796-2	1.761-2	1.408-2	1.236-2	1.067-2	7.765-3	5.231-3	4.620-3	4.146-3	3.429-3
60	66	8.049-3	7.675-3	6.788-3	6.658-3	6.809-3	8.034-3	1.083-2	1.195-2	1.301-2	1.426-2
60	67	7.518-3	6.467-3	4.666-3	3.959-3	3.296-3	2.202-3	1.269-3	1.041-3	8.605-4	5.937-4
60	68	5.578-2	5.588-2	4.381-2	3.717-2	3.058-2	1.943-2	1.022-2	8.140-3	6.584-3	4.501-3
60	69	7.883-2	7.749-2	8.169-2	8.873-2	1.002-1	1.338-1	1.871-1	2.087-1	2.318-1	2.698-1
60	70	2.410-2	2.252-2	1.746-2	1.498-2	1.250-2	8.271-3	4.691-3	3.860-3	3.227-3	2.344-3
60	71	1.787-2	1.713-2	1.686-2	1.748-2	1.868-2	2.252-2	2.878-2	3.134-2	3.410-2	3.849-2
60	72	5.156-1	5.162-1	5.620-1	6.212-1	7.149-1	9.846-1	1.411-0	1.584-0	1.767-0	2.069-0
60	73	8.405-4	6.508-4	4.301-4	3.529-4	2.829-4	1.725-4	8.460-5	6.459-5	4.939-5	2.899-5
60	74	4.042-3	3.433-3	2.784-3	2.586-3	2.416-3	2.161-3	1.964-3	1.925-3	1.900-3	1.819-3
60	75	3.509-3	3.313-3	2.907-3	2.753-3	2.613-3	2.389-3	2.206-3	2.169-3	2.145-3	2.059-3
60	76	6.238-2	6.215-2	6.731-2	7.336-2	8.256-2	1.081-1	1.468-1	1.621-1	1.782-1	2.033-1
60	77	1.088-2	1.076-2	1.083-2	1.128-2	1.210-2	1.454-2	1.836-2	1.988-2	2.148-2	2.387-2
60	78	9.004-3	8.780-3	8.526-3	8.640-3	8.939-3	9.970-3	1.169-2	1.239-2	1.314-2	1.420-2
60	79	3.176-3	2.751-3	1.913-3	1.596-3	1.307-3	8.484-4	4.805-4	3.955-4	3.300-4	2.353-4
60	80	1.170-2	1.082-2	8.996-3	8.670-3	8.685-3	9.552-3	1.157-2	1.247-2	1.345-2	1.491-2
60	81	2.645-2	2.486-2	2.386-2	2.441-2	2.564-2	2.963-2	3.631-2	3.906-2	4.196-2	4.606-2
60	82	1.504-3	1.151-3	7.541-4	6.191-4	4.973-4	3.058-4	1.542-4	1.198-4	9.365-5	5.778-5
60	83	3.558-3	3.341-3	2.426-3	2.039-3	1.679-3	1.102-3	6.377-4	5.292-4	4.443-4	3.177-4
60	84	1.638-2	1.592-2	1.647-2	1.750-2	1.906-2	2.317-2	2.919-2	3.156-2	3.400-2	3.742-2
60	85	5.945-2	5.755-2	5.647-2	5.738-2	5.927-2	6.532-2	7.589-2	8.049-2	8.540-2	9.185-2
60	86	1.143-2	9.836-3	8.306-3	7.968-3	7.793-3	7.854-3	8.493-3	8.860-3	9.281-3	9.814-3
60	87	6.953-2	7.095-2	7.728-2	8.230-2	8.896-2	1.052-1	1.283-1	1.375-1	1.470-1	1.597-1
60	88	4.597-4	3.910-4	2.739-4	2.282-4	1.862-4	1.199-4	6.780-5	5.607-5	4.716-5	3.452-5
60	89	4.340-2	4.092-2	2.852-2	2.316-2	1.830-2	1.087-2	5.306-3	4.090-3	3.181-3	1.965-3
60	90	6.793-4	6.076-4	4.860-4	4.470-4	4.145-4	3.667-4	3.267-4	3.155-4	3.053-4	2.785-4
60	91	6.880-5	5.968-5	4.262-5	3.611-5	3.017-5	2.080-5	1.328-5	1.152-5	1.013-5	7.975-6
60	92	7.347-4	5.841-4	3.940-4	3.336-4	2.817-4	2.040-4	1.419-4	1.263-4	1.132-4	9.065-5
60	93	1.793-3	1.523-3	1.139-3	9.730-4	8.135-4	5.503-4	3.297-4	2.755-4	2.313-4	1.622-4
60	94	1.214-2	1.083-2	7.894-3	6.553-3	5.275-3	3.214-3	1.593-3	1.236-3	9.697-4	6.193-4
60	95	2.869-3	2.757-3	2.628-3	2.601-3	2.586-3	2.580-3	2.583-3	2.583-3	2.579-3	2.474-3
60	96	2.745-3	2.322-3	1.506-3	1.220-3	9.770-4	6.233-4	3.631-4	3.045-4	2.589-4	1.906-4
60	97	1.506-3	1.524-3	1.142-3	9.504-4	7.687-4	4.784-4	2.486-4	1.962-4	1.559-4	9.971-5
60	98	5.730-3	5.708-3	5.638-3	5.633-3	5.646-3	5.707-3	5.806-3	5.844-3	5.876-3	5.713-3
60	99	4.906-3	4.130-3	3.080-3	2.782-3	2.547-3	2.234-3	2.018-3	1.969-3	1.929-3	1.801-3
60	100	1.167-3	1.145-3	1.108-3	1.098-3	1.092-3	1.087-3	1.085-3	1.084-3	1.082-3	1.037-3
60	101	2.108-3	1.674-3	1.192-3	1.048-3	9.287-4	7.578-4	6.361-4	6.103-4	5.905-4	5.441-4
60	102	1.663-3	1.474-3	1.170-3	1.077-3	9.992-4	8.817-4	7.660-4	7.269-4	6.883-4	5.982-4
60	103	2.949-3	2.311-3	1.441-3	1.200-3	1.008-3	7.448-4	5.429-4	4.900-4	4.435-4	3.570-4
60	104	2.455-3	2.192-3	1.540-3	1.268-3	1.017-3	6.266-4	3.236-4	2.557-4	2.040-4	1.331-4
60	105	5.558-4	4.899-4	3.568-4	3.068-4	2.621-4	1.920-4	1.294-4	1.114-4	9.519-5	6.700-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
60	106	9.420-3	7.410-3	5.276-3	4.802-3	4.486-3	4.195-3	4.236-3	4.343-3	4.487-3	4.648-3
60	107	1.251-2	9.812-3	6.243-3	5.004-3	3.926-3	2.329-3	1.157-3	9.035-4	7.145-4	4.610-4
60	108	2.177-2	1.923-2	1.708-2	1.697-2	1.717-2	1.809-2	1.997-2	2.088-2	2.189-2	2.310-2
60	109	5.001-2	4.703-2	4.638-2	4.767-2	4.945-2	5.363-2	5.986-2	6.260-2	6.555-2	6.890-2
60	110	3.122-1	2.890-1	2.846-1	2.930-1	3.046-1	3.316-1	3.722-1	3.901-1	4.093-1	4.312-1
60	111	8.452-4	7.197-4	4.677-4	3.860-4	3.180-4	2.208-4	1.471-4	1.287-4	1.129-4	8.504-5
60	112	1.844-2	1.789-2	1.821-2	1.861-2	1.909-2	2.012-2	2.178-2	2.259-2	2.350-2	2.446-2
60	113	1.349-3	9.851-4	5.469-4	4.306-4	3.399-4	2.185-4	1.328-4	1.128-4	9.654-5	7.038-5
60	114	2.295-4	1.942-4	1.619-4	1.539-4	1.475-4	1.371-4	1.246-4	1.196-4	1.142-4	1.005-4
60	115	1.510-3	1.521-3	1.580-3	1.605-3	1.626-3	1.648-3	1.637-3	1.625-3	1.608-3	1.514-3
60	116	1.188-4	9.140-5	6.355-5	5.665-5	5.125-5	4.346-5	3.603-5	3.353-5	3.107-5	2.578-5
60	117	3.468-4	3.087-4	2.769-4	2.697-4	2.640-4	2.540-4	2.383-4	2.311-4	2.228-4	1.984-4
60	118	4.455-5	3.555-5	2.699-5	2.477-5	2.292-5	1.985-5	1.596-5	1.442-5	1.285-5	9.670-6
60	119	3.854-4	3.670-4	3.571-4	3.560-4	3.556-4	3.560-4	3.580-4	3.591-4	3.598-4	3.471-4
60	120	1.351-1	1.436-1	1.570-1	1.620-1	1.669-1	1.761-1	1.903-1	1.974-1	2.055-1	2.142-1
60	121	5.760-5	5.617-5	5.408-5	5.333-5	5.254-5	5.056-5	4.658-5	4.467-5	4.254-5	3.702-5
60	122	5.247-5	5.026-5	4.768-5	4.680-5	4.591-5	4.385-5	3.991-5	3.801-5	3.589-5	3.060-5
60	123	1.888-4	1.846-4	1.798-4	1.779-4	1.758-4	1.700-4	1.571-4	1.504-4	1.426-4	1.221-4
60	124	7.822-5	7.497-5	7.214-5	7.105-5	6.973-5	6.597-5	5.793-5	5.411-5	4.998-5	4.068-5
60	125	6.379-4	6.366-4	6.319-4	6.283-4	6.230-4	6.051-4	5.616-4	5.389-4	5.127-4	4.422-4
61	62	6.182-3	5.029-3	3.429-3	2.847-3	2.307-3	1.428-3	7.046-4	5.407-4	4.183-4	2.586-4
61	63	5.405-3	5.088-3	4.451-3	4.222-3	3.999-3	3.569-3	3.037-3	2.858-3	2.695-3	2.360-3
61	64	1.301-3	1.207-3	9.006-4	7.763-4	6.594-4	4.659-4	3.046-4	2.678-4	2.404-4	2.001-4
61	65	4.628-3	4.067-3	2.873-3	2.383-3	1.919-3	1.164-3	5.575-4	4.233-4	3.246-4	1.984-4
61	66	1.135-3	1.052-3	7.647-4	6.404-4	5.231-4	3.319-4	1.758-4	1.398-4	1.123-4	7.453-5
61	67	3.985-3	3.396-3	2.540-3	2.164-3	1.794-3	1.166-3	6.535-4	5.423-4	4.626-4	3.590-4
61	68	1.653-2	1.434-2	1.104-2	9.866-3	8.938-3	8.055-3	8.568-3	9.162-3	9.966-3	1.155-2
61	69	7.299-2	5.488-2	3.819-2	3.290-2	2.777-2	1.856-2	1.006-2	7.963-3	6.321-3	3.998-3
61	70	6.958-3	6.139-3	4.586-3	3.865-3	3.150-3	1.939-3	9.467-4	7.265-4	5.647-4	3.581-4
61	71	1.102-2	1.149-2	1.086-2	1.030-2	9.644-3	8.249-3	6.699-3	6.233-3	5.811-3	4.956-3
61	72	4.139-2	4.160-2	3.651-2	3.276-2	2.842-2	1.977-2	1.132-2	9.164-3	7.438-3	4.889-3
61	73	2.223-3	1.891-3	1.376-3	1.156-3	9.466-4	6.028-4	3.234-4	2.588-4	2.088-4	1.372-4
61	74	1.751-3	1.623-3	1.448-3	1.372-3	1.295-3	1.147-3	9.653-4	8.952-4	8.210-4	6.548-4
61	75	1.540-3	1.567-3	1.496-3	1.440-3	1.376-3	1.240-3	1.052-3	9.747-4	8.921-4	7.059-4
61	76	3.739-2	3.920-2	3.398-2	3.043-2	2.646-2	1.880-2	1.151-2	9.673-3	8.201-3	5.953-3
61	77	9.469-3	8.256-3	6.189-3	5.371-3	4.568-3	3.160-3	1.884-3	1.562-3	1.301-3	8.996-4
61	78	1.151-2	9.560-3	6.940-3	5.982-3	5.085-3	3.593-3	2.283-3	1.944-3	1.659-3	1.191-3
61	79	5.410-3	4.310-3	2.983-3	2.513-3	2.099-3	1.488-3	1.078-3	1.009-3	9.718-4	9.300-4
61	80	1.668-2	1.416-2	9.634-3	7.879-3	6.278-3	3.775-3	1.839-3	1.412-3	1.094-3	6.758-4
61	81	5.341-3	4.825-3	3.296-3	2.685-3	2.134-3	1.286-3	6.380-4	4.949-4	3.877-4	2.446-4
61	82	5.454-4	4.828-4	3.295-4	2.698-4	2.162-4	1.335-4	6.934-5	5.484-5	4.383-5	2.878-5
61	83	1.641-3	1.424-3	9.474-4	7.661-4	6.047-4	3.597-4	1.746-4	1.338-4	1.034-4	6.321-5
61	84	3.465-3	2.801-3	1.820-3	1.469-3	1.162-3	7.038-4	3.640-4	2.896-4	2.336-4	1.571-4
61	85	9.561-3	8.458-3	5.817-3	4.748-3	3.769-3	2.238-3	1.057-3	7.972-4	6.042-4	3.532-4
61	86	8.112-3	7.119-3	4.734-3	3.816-3	3.012-3	1.821-3	9.518-4	7.653-4	6.266-4	4.378-4
61	87	6.968-3	6.691-3	4.566-3	3.676-3	2.883-3	1.692-3	8.071-4	6.147-4	4.710-4	2.807-4
61	88	7.142-4	5.995-4	4.129-4	3.407-4	2.731-4	1.637-4	7.612-5	5.654-5	4.196-5	2.318-5
61	89	2.031-2	2.035-2	1.840-2	1.738-2	1.652-2	1.560-2	1.591-2	1.642-2	1.710-2	1.805-2
61	90	1.090-2	9.955-3	9.041-3	8.994-3	9.134-3	9.815-3	1.115-2	1.177-2	1.244-2	1.331-2
61	91	2.078-4	1.610-4	1.011-4	8.181-5	6.486-5	3.890-5	1.871-5	1.418-5	1.078-5	6.289-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
61	92	9.490-3	8.792-3	8.031-3	7.927-3	7.957-3	8.332-3	9.217-3	9.648-3	1.012-2	1.071-2
61	93	3.804-4	3.236-4	2.118-4	1.714-4	1.360-4	8.267-5	4.253-5	3.367-5	2.704-5	1.811-5
61	94	3.773-3	3.824-3	3.080-3	2.626-3	2.156-3	1.341-3	6.618-4	5.099-4	3.977-4	2.530-4
61	95	3.819-2	3.863-2	4.091-2	4.289-2	4.551-2	5.183-2	6.093-2	6.466-2	6.859-2	7.361-2
61	96	5.776-3	5.416-3	4.624-3	4.387-3	4.226-3	4.117-3	4.296-3	4.442-3	4.623-3	4.845-3
61	97	2.022-3	1.812-3	1.291-3	1.067-3	8.547-4	5.135-4	2.444-4	1.850-4	1.409-4	8.374-5
61	98	1.235-2	1.134-2	1.010-2	9.815-3	9.676-3	9.759-3	1.039-2	1.076-2	1.118-2	1.163-2
61	99	9.890-3	9.090-3	8.266-3	8.197-3	8.271-3	8.712-3	9.642-3	1.009-2	1.059-2	1.120-2
61	100	9.059-4	6.812-4	4.186-4	3.344-4	2.617-4	1.536-4	7.314-5	5.555-5	4.243-5	2.514-5
61	101	2.286-4	1.673-4	1.045-4	8.481-5	6.773-5	4.221-5	2.306-5	1.886-5	1.572-5	1.140-5
61	102	5.835-2	6.122-2	6.525-2	6.811-2	7.163-2	7.945-2	9.041-2	9.499-2	9.985-2	1.055-1
61	103	1.043-1	1.103-1	1.194-1	1.256-1	1.330-1	1.493-1	1.716-1	1.809-1	1.908-1	2.028-1
61	104	2.547-4	2.803-4	2.328-4	1.981-4	1.624-4	1.017-4	5.225-5	4.120-5	3.300-5	2.216-5
61	105	8.465-4	8.731-4	7.258-4	6.234-4	5.166-4	3.314-4	1.759-4	1.398-4	1.119-4	7.267-5
61	106	1.902-3	1.595-3	1.069-3	8.651-4	6.813-4	3.991-4	1.858-4	1.394-4	1.049-4	6.019-5
61	107	3.900-4	3.596-4	2.706-4	2.259-4	1.823-4	1.105-4	5.352-5	4.108-5	3.199-5	2.039-5
61	108	7.304-3	6.892-3	4.829-3	3.929-3	3.109-3	1.849-3	8.978-4	6.894-4	5.333-4	3.255-4
61	109	6.997-3	6.168-3	4.135-3	3.330-3	2.612-3	1.531-3	7.270-4	5.527-4	4.228-4	2.518-4
61	110	6.911-3	5.869-3	3.716-3	2.943-3	2.278-3	1.309-3	6.083-4	4.579-4	3.460-4	1.990-4
61	111	3.078-4	2.767-4	1.879-4	1.514-4	1.187-4	6.926-5	3.251-5	2.457-5	1.868-5	1.098-5
61	112	4.144-3	3.486-3	2.115-3	1.667-3	1.296-3	7.795-4	4.207-4	3.450-4	2.888-4	2.103-4
61	113	4.208-4	3.636-4	2.469-4	2.012-4	1.606-4	9.936-5	5.314-5	4.265-5	3.449-5	2.272-5
61	114	5.014-2	5.214-2	5.744-2	5.976-2	6.203-2	6.632-2	7.250-2	7.540-2	7.861-2	8.203-2
61	115	9.367-3	9.017-3	8.889-3	8.936-3	9.007-3	9.182-3	9.472-3	9.608-3	9.748-3	9.652-3
61	116	1.432-3	1.028-3	6.237-4	5.215-4	4.424-4	3.355-4	2.532-4	2.302-4	2.085-4	1.643-4
61	117	2.198-3	1.617-3	1.079-3	9.515-4	8.551-4	7.307-4	6.465-4	6.276-4	6.120-4	5.674-4
61	118	1.389-4	9.578-5	4.992-5	3.815-5	2.905-5	1.697-5	8.721-6	6.914-6	5.524-6	3.560-6
61	119	1.003-1	1.063-1	1.169-1	1.210-1	1.248-1	1.321-1	1.429-1	1.482-1	1.541-1	1.600-1
61	120	6.480-4	6.306-4	4.277-4	3.450-4	2.727-4	1.665-4	8.826-5	7.077-5	5.724-5	3.784-5
61	121	8.475-5	5.785-5	3.093-5	2.416-5	1.891-5	1.191-5	6.922-6	5.752-6	4.807-6	3.351-6
61	122	6.937-4	5.448-4	4.379-4	4.142-4	3.956-4	3.665-4	3.284-4	3.108-4	2.903-4	2.382-4
61	123	7.953-2	7.876-2	8.161-2	8.311-2	8.467-2	8.798-2	9.387-2	9.703-2	1.007-1	1.044-1
61	124	1.431-3	1.423-3	1.408-3	1.399-3	1.387-3	1.347-3	1.242-3	1.181-3	1.105-3	9.064-4
61	125	2.107-3	2.104-3	2.093-3	2.084-3	2.072-3	2.030-3	1.917-3	1.851-3	1.768-3	1.530-3
62	63	2.001-3	1.714-3	1.187-3	9.907-4	8.196-4	5.885-4	4.814-4	4.669-4	4.543-4	4.177-4
62	64	4.673-2	4.640-2	4.179-2	3.932-2	3.679-2	3.229-2	2.846-2	2.772-2	2.739-2	2.694-2
62	65	5.199-2	4.741-2	3.388-2	2.812-2	2.271-2	1.393-2	6.855-3	5.256-3	4.055-3	2.462-3
62	66	7.047-3	6.709-3	5.873-3	5.738-3	5.870-3	7.055-3	9.830-3	1.091-2	1.189-2	1.299-2
62	67	2.695-2	2.210-2	1.486-2	1.235-2	1.015-2	6.826-3	4.289-3	3.721-3	3.291-3	2.659-3
62	68	2.473-2	2.237-2	1.711-2	1.482-2	1.258-2	8.779-3	5.474-3	4.656-3	3.995-3	2.960-3
62	69	3.084-2	2.885-2	2.847-2	3.011-2	3.315-2	4.262-2	5.837-2	6.496-2	7.215-2	8.424-2
62	70	3.438-2	3.240-2	2.416-2	2.026-2	1.648-2	1.016-2	4.961-3	3.780-3	2.890-3	1.712-3
62	71	1.388-2	1.242-2	1.123-2	1.119-2	1.143-2	1.259-2	1.481-2	1.579-2	1.688-2	1.859-2
62	72	2.076-2	1.658-2	1.228-2	1.109-2	1.007-2	8.359-3	6.524-3	5.921-3	5.355-3	4.278-3
62	73	1.632-3	1.285-3	8.494-4	6.982-4	5.636-4	3.563-4	1.954-4	1.591-4	1.314-4	9.240-5
62	74	2.376-2	2.315-2	2.450-2	2.679-2	3.049-2	4.113-2	5.776-2	6.445-2	7.157-2	8.319-2
62	75	4.488-3	4.101-3	3.652-3	3.639-3	3.763-3	4.356-3	5.476-3	5.957-3	6.483-3	7.330-3
62	76	2.967-1	2.982-1	3.306-1	3.677-1	4.239-1	5.803-1	8.214-1	9.175-1	1.019-0	1.183-0
62	77	6.283-2	6.278-2	6.865-2	7.575-2	8.657-2	1.165-1	1.623-1	1.804-1	1.994-1	2.296-1
62	78	1.877-2	1.844-2	1.915-2	2.053-2	2.276-2	2.916-2	3.911-2	4.308-2	4.727-2	5.379-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
62	79	1.288-3	1.139-3	8.373-4	7.085-4	5.860-4	3.849-4	2.175-4	1.774-4	1.458-4	9.934-5
62	80	6.369-3	5.470-3	3.593-3	2.943-3	2.390-3	1.600-3	1.057-3	9.523-4	8.824-4	7.892-4
62	81	5.816-2	5.754-2	6.246-2	6.814-2	7.642-2	9.826-2	1.303-1	1.428-1	1.557-1	1.746-1
62	82	1.039-2	9.711-3	9.569-3	9.932-3	1.058-2	1.249-2	1.551-2	1.674-2	1.803-2	1.988-2
62	83	5.429-2	5.488-2	6.079-2	6.640-2	7.424-2	9.414-2	1.227-1	1.337-1	1.451-1	1.614-1
62	84	2.467-3	2.063-3	1.427-3	1.214-3	1.028-3	7.453-4	5.161-4	4.585-4	4.105-4	3.283-4
62	85	6.485-3	5.504-3	3.917-3	3.293-3	2.706-3	1.749-3	9.601-4	7.727-4	6.249-4	4.092-4
62	86	4.351-2	4.273-2	4.555-2	4.847-2	5.250-2	6.254-2	7.708-2	8.285-2	8.884-2	9.699-2
62	87	2.541-2	2.523-2	2.488-2	2.502-2	2.542-2	2.692-2	2.991-2	3.132-2	3.285-2	3.470-2
62	88	4.017-3	3.830-3	3.608-3	3.550-3	3.509-3	3.465-3	3.428-3	3.413-3	3.393-3	3.233-3
62	89	1.460-2	1.371-2	1.032-2	8.741-3	7.257-3	4.895-3	2.985-3	2.521-3	2.140-3	1.533-3
62	90	1.882-3	1.765-3	1.629-3	1.591-3	1.560-3	1.508-3	1.434-3	1.401-3	1.365-3	1.252-3
62	91	2.061-3	2.022-3	1.998-3	2.003-3	2.014-3	2.044-3	2.074-3	2.079-3	2.080-3	2.001-3
62	92	6.253-3	6.143-3	6.061-3	6.066-3	6.089-3	6.158-3	6.209-3	6.211-3	6.199-3	5.938-3
62	93	7.404-3	7.480-3	8.095-3	8.614-3	9.305-3	1.096-2	1.327-2	1.418-2	1.513-2	1.639-2
62	94	3.527-2	3.091-2	2.200-2	1.819-2	1.463-2	8.981-3	4.594-3	3.627-3	2.906-3	1.939-3
62	95	1.898-3	1.834-3	1.742-3	1.719-3	1.704-3	1.690-3	1.680-3	1.675-3	1.667-3	1.591-3
62	96	6.302-3	6.262-3	6.161-3	6.148-3	6.154-3	6.200-3	6.258-3	6.274-3	6.279-3	6.049-3
62	97	4.384-3	4.212-3	3.112-3	2.628-3	2.185-3	1.493-3	9.320-4	7.936-4	6.801-4	4.990-4
62	98	5.306-4	4.939-4	4.005-4	3.644-4	3.310-4	2.733-4	2.075-4	1.839-4	1.606-4	1.157-4
62	99	1.251-3	1.042-3	6.946-4	5.857-4	4.944-4	3.594-4	2.444-4	2.118-4	1.824-4	1.308-4
62	100	9.612-4	8.979-4	8.179-4	7.952-4	7.770-4	7.506-4	7.234-4	7.136-4	7.028-4	6.574-4
62	101	7.995-4	6.471-4	4.503-4	3.766-4	3.092-4	2.030-4	1.170-4	9.623-5	7.963-5	5.468-5
62	102	4.668-3	4.678-3	4.671-3	4.687-3	4.717-3	4.801-3	4.931-3	4.984-3	5.033-3	4.928-3
62	103	1.570-3	1.522-3	1.432-3	1.404-3	1.382-3	1.347-3	1.301-3	1.280-3	1.258-3	1.169-3
62	104	4.600-3	4.727-3	3.838-3	3.293-3	2.754-3	1.873-3	1.180-3	1.028-3	9.152-4	7.465-4
62	105	2.227-3	2.122-3	1.962-3	1.916-3	1.879-3	1.831-3	1.791-3	1.778-3	1.763-3	1.668-3
62	106	2.941-3	2.382-3	1.628-3	1.419-3	1.260-3	1.064-3	9.780-4	9.804-4	9.958-4	1.010-3
62	107	1.816-2	1.545-2	1.008-2	8.102-3	6.380-3	3.838-3	1.979-3	1.576-3	1.274-3	8.584-4
62	108	8.094-3	6.546-3	4.716-3	4.260-3	3.938-3	3.606-3	3.595-3	3.680-3	3.799-3	3.934-3
62	109	1.472-1	1.389-1	1.386-1	1.434-1	1.497-1	1.641-1	1.855-1	1.947-1	2.047-1	2.163-1
62	110	4.132-3	3.747-3	2.779-3	2.422-3	2.110-3	1.641-3	1.245-3	1.130-3	1.022-3	8.025-4
62	111	1.623-2	1.484-2	1.452-2	1.492-2	1.549-2	1.682-2	1.880-2	1.967-2	2.063-2	2.172-2
62	112	1.948-2	1.952-2	2.064-2	2.127-2	2.193-2	2.325-2	2.523-2	2.617-2	2.721-2	2.827-2
62	113	9.894-3	8.306-3	7.045-3	6.843-3	6.744-3	6.761-3	7.123-3	7.366-3	7.659-3	7.989-3
62	114	3.176-4	3.014-4	2.933-4	2.928-4	2.919-4	2.852-4	2.621-4	2.498-4	2.360-4	2.017-4
62	115	1.379-4	1.015-4	6.688-5	5.804-5	5.094-5	4.034-5	2.982-5	2.632-5	2.298-5	1.673-5
62	116	1.774-4	1.440-4	1.082-4	9.931-5	9.252-5	8.341-5	7.649-5	7.467-5	7.299-5	6.760-5
62	117	2.909-4	2.411-4	1.968-4	1.867-4	1.792-4	1.697-4	1.637-4	1.625-4	1.615-4	1.539-4
62	118	6.301-5	5.312-5	4.174-5	3.873-5	3.628-5	3.239-5	2.778-5	2.597-5	2.409-5	1.984-5
62	119	6.597-4	6.422-4	6.363-4	6.373-4	6.392-4	6.451-4	6.565-4	6.617-4	6.661-4	6.472-4
62	120	1.021-1	1.086-1	1.189-1	1.227-1	1.263-1	1.331-1	1.438-1	1.491-1	1.552-1	1.615-1
62	121	3.001-5	2.764-5	2.495-5	2.419-5	2.352-5	2.230-5	2.047-5	1.966-5	1.877-5	1.644-5
62	122	4.750-4	4.732-4	4.731-4	4.731-4	4.726-4	4.682-4	4.520-4	4.426-4	4.309-4	3.904-4
62	123	3.161-4	3.156-4	3.173-4	3.183-4	3.197-4	3.230-4	3.296-4	3.328-4	3.358-4	3.277-4
62	124	2.490-4	2.485-4	2.485-4	2.484-4	2.482-4	2.467-4	2.421-4	2.396-4	2.364-4	2.204-4
62	125	3.896-4	3.894-4	3.885-4	3.876-4	3.861-4	3.807-4	3.687-4	3.634-4	3.573-4	3.327-4
63	64	5.990-3	5.881-3	6.109-3	6.822-3	8.405-3	1.516-2	2.858-2	3.265-2	3.559-2	3.742-2
63	65	1.814-3	1.622-3	1.104-3	9.148-4	7.555-4	5.524-4	4.744-4	4.733-4	4.772-4	4.726-4
63	66	8.587-4	7.320-4	5.276-4	4.517-4	3.807-4	2.640-4	1.669-4	1.449-4	1.290-4	1.081-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
63	67	3.322-3	2.494-3	1.763-3	1.581-3	1.468-3	1.457-3	1.729-3	1.862-3	1.994-3	2.145-3
63	68	6.514-4	6.910-4	5.687-4	4.882-4	4.036-4	2.542-4	1.277-4	9.937-5	7.861-5	5.210-5
63	69	2.236-3	2.031-3	1.619-3	1.440-3	1.246-3	8.660-4	4.946-4	4.033-4	3.333-4	2.363-4
63	70	9.942-4	9.774-4	7.707-4	6.569-4	5.400-4	3.361-4	1.631-4	1.235-4	9.382-5	5.493-5
63	71	4.197-3	4.018-3	3.488-3	3.196-3	2.866-3	2.209-3	1.562-3	1.398-3	1.268-3	1.054-3
63	72	3.367-3	3.276-3	3.078-3	2.974-3	2.858-3	2.608-3	2.244-3	2.088-3	1.918-3	1.527-3
63	73	9.860-4	8.977-4	8.387-4	8.597-4	9.198-4	1.143-3	1.554-3	1.733-3	1.931-3	2.268-3
63	74	1.722-3	1.397-3	1.059-3	9.267-4	7.865-4	5.154-4	2.545-4	1.908-4	1.423-4	7.839-5
63	75	1.735-3	1.429-3	1.114-3	9.813-4	8.359-4	5.490-4	2.704-4	2.025-4	1.507-4	8.289-5
63	76	6.049-3	5.714-3	5.349-3	5.076-3	4.693-3	3.770-3	2.716-3	2.425-3	2.184-3	1.777-3
63	77	6.975-3	5.905-3	4.654-3	4.114-3	3.532-3	2.408-3	1.327-3	1.056-3	8.431-4	5.377-4
63	78	6.925-3	5.719-3	4.460-3	3.912-3	3.325-3	2.204-3	1.148-3	8.897-4	6.898-4	4.151-4
63	79	8.739-4	7.836-4	6.017-4	5.118-4	4.230-4	2.744-4	1.525-4	1.244-4	1.027-4	7.131-5
63	80	6.143-4	6.593-4	5.481-4	4.752-4	3.988-4	2.632-4	1.464-4	1.196-4	9.955-5	7.218-5
63	81	2.675-4	2.701-4	2.075-4	1.754-4	1.448-4	9.515-5	5.453-5	4.479-5	3.702-5	2.537-5
63	82	1.157-3	1.065-3	7.451-4	6.102-4	4.875-4	2.990-4	1.571-4	1.264-4	1.037-4	7.293-5
63	83	1.625-3	1.309-3	8.840-4	7.236-4	5.791-4	3.572-4	1.880-4	1.506-4	1.223-4	8.358-5
63	84	6.981-4	5.919-4	4.006-4	3.253-4	2.575-4	1.542-4	7.640-5	5.935-5	4.662-5	2.967-5
63	85	2.816-4	2.670-4	1.914-4	1.580-4	1.273-4	7.917-5	4.137-5	3.267-5	2.590-5	1.632-5
63	86	1.057-3	1.084-3	7.973-4	6.589-4	5.299-4	3.271-4	1.710-4	1.367-4	1.112-4	7.672-5
63	87	6.171-4	5.334-4	3.574-4	2.910-4	2.315-4	1.404-4	7.081-5	5.547-5	4.398-5	2.857-5
63	88	1.043-3	9.996-4	9.653-4	9.833-4	1.023-3	1.147-3	1.355-3	1.443-3	1.535-3	1.659-3
63	89	6.891-4	5.628-4	4.099-4	3.452-4	2.810-4	1.713-4	7.957-5	5.885-5	4.343-5	2.371-5
63	90	5.869-4	4.642-4	2.968-4	2.412-4	1.926-4	1.193-4	6.366-5	5.138-5	4.218-5	2.965-5
63	91	6.695-4	6.545-4	6.455-4	6.590-4	6.843-4	7.589-4	8.818-4	9.344-4	9.905-4	1.064-3
63	92	4.198-4	3.237-4	2.047-4	1.670-4	1.345-4	8.564-5	4.707-5	3.772-5	3.018-5	1.895-5
63	93	1.992-3	1.685-3	1.084-3	8.713-4	6.875-4	4.156-4	2.142-4	1.699-4	1.365-4	9.049-5
63	94	1.666-3	1.764-3	1.505-3	1.324-3	1.135-3	8.146-4	5.682-4	5.221-4	4.943-4	4.597-4
63	95	2.436-4	2.043-4	1.385-4	1.139-4	9.115-5	5.482-5	2.583-5	1.930-5	1.440-5	7.970-6
63	96	7.514-4	6.337-4	4.548-4	3.829-4	3.141-4	2.006-4	1.083-4	8.742-5	7.169-5	5.020-5
63	97	1.309-3	1.152-3	9.177-4	8.329-4	7.565-4	6.383-4	5.494-4	5.310-4	5.176-4	4.843-4
63	98	9.102-5	7.298-5	4.751-5	3.865-5	3.070-5	1.832-5	8.656-6	6.488-6	4.853-6	2.695-6
63	99	3.015-4	2.462-4	1.723-4	1.430-4	1.155-4	7.075-5	3.507-5	2.710-5	2.114-5	1.329-5
63	100	2.081-4	1.783-4	1.268-4	1.055-4	8.551-5	5.346-5	2.831-5	2.279-5	1.872-5	1.330-5
63	101	7.733-4	7.413-4	7.336-4	7.492-4	7.740-4	8.391-4	9.411-4	9.854-4	1.033-3	1.087-3
63	102	1.524-4	1.488-4	1.193-4	1.016-4	8.344-5	5.209-5	2.576-5	1.965-5	1.498-5	8.670-6
63	103	4.282-4	3.977-4	3.053-4	2.617-4	2.200-4	1.521-4	9.587-5	8.196-5	7.047-5	5.162-5
63	104	5.122-3	5.340-3	5.613-3	5.815-3	6.066-3	6.634-3	7.443-3	7.784-3	8.145-3	8.540-3
63	105	3.663-2	3.847-2	4.105-2	4.287-2	4.508-2	4.998-2	5.697-2	5.990-2	6.303-2	6.671-2
63	106	6.218-4	5.761-4	4.105-4	3.351-4	2.649-4	1.549-4	7.093-5	5.276-5	3.938-5	2.229-5
63	107	6.157-3	6.200-3	6.242-3	6.429-3	6.689-3	7.309-3	8.245-3	8.655-3	9.098-3	9.625-3
63	108	4.129-4	3.994-4	2.861-4	2.335-4	1.848-4	1.089-4	5.110-5	3.848-5	2.911-5	1.691-5
63	109	8.218-4	8.227-4	6.133-4	5.081-4	4.093-4	2.537-4	1.338-4	1.071-4	8.693-5	5.895-5
63	110	1.998-4	1.815-4	1.231-4	9.909-5	7.761-5	4.510-5	2.087-5	1.561-5	1.170-5	6.609-6
63	111	2.064-3	1.834-3	1.228-3	9.861-4	7.715-4	4.500-4	2.124-4	1.609-4	1.225-4	7.183-5
63	112	1.622-3	1.307-3	7.662-4	5.984-4	4.616-4	2.723-4	1.399-4	1.111-4	8.899-5	5.778-5
63	113	3.120-4	2.489-4	1.501-4	1.177-4	9.038-5	5.148-5	2.407-5	1.831-5	1.410-5	8.656-6
63	114	2.367-4	1.736-4	9.457-5	7.262-5	5.527-5	3.188-5	1.592-5	1.252-5	9.978-6	6.520-6
63	115	2.138-4	1.564-4	8.484-5	6.531-5	4.995-5	2.926-5	1.485-5	1.164-5	9.133-6	5.566-6
63	116	1.680-3	1.659-3	1.701-3	1.732-3	1.767-3	1.844-3	1.983-3	2.053-3	2.133-3	2.213-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
63	117	4.976-4	3.914-4	2.622-4	2.279-4	2.009-4	1.634-4	1.317-4	1.217-4	1.117-4	8.962-5
63	118	1.401-3	1.415-3	1.450-3	1.473-3	1.499-3	1.558-3	1.664-3	1.719-3	1.781-3	1.841-3
63	119	1.716-4	1.212-4	6.457-5	4.961-5	3.792-5	2.231-5	1.179-5	9.592-6	7.974-6	5.785-6
63	120	1.982-4	1.660-4	1.046-4	8.341-5	6.547-5	3.964-5	2.086-5	1.666-5	1.342-5	8.784-6
63	121	8.139-3	8.559-3	9.236-3	9.494-3	9.743-3	1.023-2	1.102-2	1.142-2	1.188-2	1.235-2
63	122	2.945-2	2.993-2	3.145-2	3.209-2	3.272-2	3.404-2	3.641-2	3.765-2	3.905-2	4.041-2
63	123	1.873-3	1.862-3	1.841-3	1.829-3	1.813-3	1.763-3	1.629-3	1.551-3	1.455-3	1.199-3
63	124	3.303-3	3.321-3	3.351-3	3.367-3	3.390-3	3.462-3	3.651-3	3.762-3	3.892-3	4.011-3
63	125	1.859-4	1.856-4	1.838-4	1.826-4	1.810-4	1.759-4	1.622-4	1.542-4	1.444-4	1.185-4
64	65	2.198-2	1.960-2	1.347-2	1.111-2	8.990-3	5.714-3	3.176-3	2.618-3	2.213-3	1.706-3
64	66	6.504-3	6.370-3	6.165-3	6.562-3	7.656-3	1.271-2	2.303-2	2.620-2	2.851-2	2.998-2
64	67	1.206-2	1.094-2	7.943-3	6.620-3	5.355-3	3.265-3	1.557-3	1.172-3	8.841-4	5.091-4
64	68	1.283-2	1.130-2	8.227-3	7.023-3	5.918-3	4.157-3	2.717-3	2.377-3	2.109-3	1.693-3
64	69	7.254-3	6.327-3	5.107-3	4.762-3	4.475-3	4.045-3	3.699-3	3.624-3	3.572-3	3.406-3
64	70	1.478-2	1.446-2	1.088-2	9.189-3	7.560-3	4.870-3	2.673-3	2.173-3	1.794-3	1.270-3
64	71	2.292-2	2.235-2	2.371-2	2.614-2	3.016-2	4.210-2	6.198-2	7.049-2	7.992-2	9.669-2
64	72	8.845-3	7.351-3	5.756-3	5.328-3	4.962-3	4.344-3	3.612-3	3.345-3	3.084-3	2.547-3
64	73	1.343-3	1.165-3	9.562-4	8.963-4	8.496-4	7.915-4	7.564-4	7.498-4	7.453-4	7.179-4
64	74	2.072-2	2.033-2	2.202-2	2.445-2	2.827-2	3.921-2	5.668-2	6.391-2	7.177-2	8.521-2
64	75	9.199-3	8.736-3	8.971-3	9.680-3	1.087-2	1.434-2	1.994-2	2.225-2	2.476-2	2.898-2
64	76	5.122-3	3.981-3	3.180-3	2.980-3	2.805-3	2.508-3	2.198-3	2.106-3	2.026-3	1.848-3
64	77	1.084-1	1.091-1	1.221-1	1.367-1	1.586-1	2.191-1	3.127-1	3.505-1	3.910-1	4.578-1
64	78	5.556-2	5.585-2	6.208-2	6.906-2	7.951-2	1.082-1	1.522-1	1.699-1	1.888-1	2.194-1
64	79	1.335-3	1.313-3	1.244-3	1.219-3	1.199-3	1.175-3	1.156-3	1.149-3	1.143-3	1.093-3
64	80	1.987-3	1.639-3	1.076-3	8.888-4	7.284-4	4.923-4	3.169-4	2.785-4	2.497-4	2.065-4
64	81	3.223-3	2.450-3	1.657-3	1.408-3	1.185-3	8.327-4	5.295-4	4.499-4	3.821-4	2.699-4
64	82	1.427-2	1.408-2	1.539-2	1.683-2	1.888-2	2.421-2	3.201-2	3.506-2	3.823-2	4.295-2
64	83	2.430-2	2.478-2	2.743-2	2.986-2	3.325-2	4.196-2	5.474-2	5.976-2	6.499-2	7.267-2
64	84	1.660-2	1.676-2	1.857-2	2.024-2	2.254-2	2.832-2	3.668-2	3.995-2	4.334-2	4.824-2
64	85	1.384-3	1.221-3	9.112-4	7.763-4	6.430-4	4.145-4	2.187-4	1.722-4	1.362-4	8.575-5
64	86	3.589-3	3.346-3	2.829-3	2.629-3	2.454-3	2.211-3	2.102-3	2.113-3	2.145-3	2.164-3
64	87	2.024-3	1.941-3	1.474-3	1.245-3	1.023-3	6.595-4	3.645-4	2.962-4	2.433-4	1.669-4
64	88	1.600-3	1.368-3	1.111-3	1.032-3	9.651-4	8.680-4	7.947-4	7.779-4	7.642-4	7.188-4
64	89	6.445-3	4.872-3	3.149-3	2.557-3	2.028-3	1.215-3	5.952-4	4.597-4	3.589-4	2.258-4
64	90	8.395-4	7.929-4	7.450-4	7.343-4	7.277-4	7.217-4	7.153-4	7.119-4	7.074-4	6.731-4
64	91	1.906-4	1.526-4	1.123-4	1.002-4	8.969-5	7.251-5	5.398-5	4.750-5	4.117-5	2.917-5
64	92	3.702-4	3.295-4	2.766-4	2.580-4	2.403-4	2.072-4	1.628-4	1.452-4	1.271-4	9.144-5
64	93	1.484-2	1.523-2	1.637-2	1.715-2	1.815-2	2.050-2	2.392-2	2.534-2	2.682-2	2.870-2
64	94	1.492-2	1.360-2	1.004-2	8.338-3	6.708-3	4.073-3	1.992-3	1.527-3	1.178-3	7.089-4
64	95	1.664-4	1.235-4	8.105-5	6.839-5	5.754-5	4.092-5	2.653-5	2.255-5	1.910-5	1.334-5
64	96	9.688-4	9.691-4	9.385-4	9.245-4	9.121-4	8.921-4	8.670-4	8.569-4	8.456-4	7.947-4
64	97	4.694-3	4.231-3	3.277-3	2.894-3	2.545-3	2.009-3	1.602-3	1.513-3	1.445-3	1.309-3
64	98	1.135-4	9.559-5	7.261-5	6.351-5	5.481-5	4.011-5	2.631-5	2.237-5	1.892-5	1.315-5
64	99	6.749-4	6.323-4	5.448-4	5.088-4	4.762-4	4.256-4	3.842-4	3.737-4	3.645-4	3.376-4
64	100	1.684-4	1.453-4	1.061-4	9.259-5	8.094-5	6.347-5	4.937-5	4.579-5	4.278-5	3.700-5
64	101	3.828-4	3.427-4	2.513-4	2.146-4	1.812-4	1.292-4	8.753-5	7.736-5	6.905-5	5.502-5
64	102	1.310-4	1.275-4	9.889-5	8.475-5	7.134-5	4.960-5	3.100-5	2.621-5	2.224-5	1.600-5
64	103	1.170-3	1.161-3	1.105-3	1.083-3	1.066-3	1.046-3	1.041-3	1.043-3	1.047-3	1.015-3
64	104	1.735-3	1.540-3	1.085-3	8.956-4	7.223-4	4.538-4	2.480-4	2.022-4	1.674-4	1.181-4
64	105	8.772-4	8.183-4	7.058-4	6.668-4	6.345-4	5.903-4	5.633-4	5.594-4	5.569-4	5.349-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
64	106	4.822-3	4.700-3	4.338-3	4.305-3	4.342-3	4.563-3	5.055-3	5.299-3	5.572-3	5.911-3
64	107	9.085-3	7.677-3	5.038-3	4.065-3	3.216-3	1.961-3	1.033-3	8.276-4	6.704-4	4.479-4
64	108	1.329-3	1.081-3	6.526-4	5.139-4	3.983-4	2.348-4	1.184-4	9.311-5	7.390-5	4.733-5
64	109	3.348-3	2.933-3	2.010-3	1.686-3	1.411-3	1.011-3	7.020-4	6.221-4	5.518-4	4.223-4
64	110	1.293-3	1.018-3	5.995-4	4.700-4	3.636-4	2.144-4	1.083-4	8.494-5	6.716-5	4.247-5
64	111	5.433-2	4.961-2	4.900-2	5.065-2	5.283-2	5.781-2	6.516-2	6.839-2	7.188-2	7.603-2
64	112	7.696-2	8.134-2	9.284-2	9.780-2	1.026-1	1.115-1	1.235-1	1.289-1	1.348-1	1.413-1
64	113	3.572-3	3.443-3	3.549-3	3.643-3	3.749-3	3.976-3	4.346-3	4.527-3	4.729-3	4.957-3
64	114	4.591-5	3.703-5	2.632-5	2.331-5	2.083-5	1.700-5	1.303-5	1.166-5	1.032-5	7.728-6
64	115	5.308-5	4.204-5	3.046-5	2.725-5	2.455-5	2.018-5	1.529-5	1.354-5	1.183-5	8.585-6
64	116	6.306-5	5.391-5	4.432-5	4.198-5	4.007-5	3.677-5	3.214-5	3.018-5	2.808-5	2.330-5
64	117	9.051-5	7.581-5	6.223-5	5.903-5	5.653-5	5.282-5	4.886-5	4.742-5	4.591-5	4.155-5
64	118	1.148-4	1.142-4	1.141-4	1.140-4	1.135-4	1.113-4	1.045-4	1.008-4	9.632-5	8.385-5
64	119	2.812-5	2.202-5	1.683-5	1.550-5	1.437-5	1.242-5	9.898-6	8.929-6	7.966-6	6.091-6
64	120	2.479-2	2.645-2	2.908-2	3.005-2	3.097-2	3.272-2	3.548-2	3.684-2	3.838-2	4.002-2
64	121	2.855-4	2.883-4	2.910-4	2.911-4	2.902-4	2.844-4	2.661-4	2.560-4	2.440-4	2.109-4
64	122	2.769-5	2.672-5	2.581-5	2.547-5	2.506-5	2.380-5	2.091-5	1.948-5	1.789-5	1.427-5
64	123	2.162-4	2.109-4	2.119-4	2.123-4	2.120-4	2.081-4	1.959-4	1.895-4	1.824-4	1.621-4
64	124	5.514-5	5.462-5	5.341-5	5.268-5	5.173-5	4.904-5	4.331-5	4.050-5	3.738-5	3.021-5
64	125	2.567-4	2.563-4	2.544-4	2.531-4	2.514-4	2.464-4	2.361-4	2.313-4	2.257-4	2.068-4
65	66	1.328-2	1.275-2	9.902-3	8.911-3	8.293-3	8.333-3	1.184-2	1.482-2	1.849-2	2.480-2
65	67	5.122-2	4.477-2	3.115-2	2.565-2	2.065-2	1.293-2	6.961-3	5.605-3	4.564-3	3.105-3
65	68	7.297-2	6.183-2	4.284-2	3.646-2	3.098-2	2.281-2	1.617-2	1.440-2	1.283-2	9.948-3
65	69	9.018-3	7.302-3	5.337-3	4.919-3	4.743-3	5.043-3	6.327-3	7.031-3	7.880-3	9.503-3
65	70	7.871-2	7.004-2	4.804-2	3.968-2	3.230-2	2.122-2	1.271-2	1.070-2	9.086-3	6.548-3
65	71	7.440-3	5.628-3	3.476-3	2.833-3	2.299-3	1.545-3	1.025-3	9.249-4	8.600-4	7.802-4
65	72	7.710-3	5.861-3	3.707-3	3.068-3	2.530-3	1.736-3	1.120-3	9.756-4	8.623-4	6.872-4
65	73	4.527-3	3.729-3	2.463-3	2.018-3	1.630-3	1.057-3	6.341-4	5.415-4	4.718-4	3.710-4
65	74	6.155-2	5.908-2	6.118-2	6.708-2	7.707-2	1.069-1	1.561-1	1.770-1	2.003-1	2.414-1
65	75	7.111-2	6.970-2	7.431-2	8.217-2	9.489-2	1.318-1	1.914-1	2.165-1	2.442-1	2.925-1
65	76	2.465-2	2.339-2	2.451-2	2.693-2	3.088-2	4.242-2	6.118-2	6.910-2	7.779-2	9.289-2
65	77	8.848-2	8.586-2	9.002-2	9.864-2	1.127-1	1.536-1	2.191-1	2.463-1	2.758-1	3.262-1
65	78	1.316-1	1.299-1	1.408-1	1.561-1	1.798-1	2.464-1	3.505-1	3.932-1	4.393-1	5.166-1
65	79	4.951-3	4.080-3	2.825-3	2.367-3	1.961-3	1.349-3	8.773-4	7.671-4	6.799-4	5.419-4
65	80	9.003-2	8.852-2	9.491-2	1.041-1	1.181-1	1.567-1	2.156-1	2.393-1	2.644-1	3.043-1
65	81	4.718-1	4.750-1	5.336-1	5.930-1	6.776-1	8.977-1	1.220-0	1.347-0	1.479-0	1.683-0
65	82	5.285-2	5.273-2	5.850-2	6.461-2	7.331-2	9.565-2	1.278-1	1.404-1	1.535-1	1.734-1
65	83	1.020-1	1.028-1	1.152-1	1.272-1	1.440-1	1.867-1	2.480-1	2.718-1	2.965-1	3.334-1
65	84	7.680-3	7.117-3	6.768-3	6.974-3	7.402-3	8.701-3	1.073-2	1.154-2	1.240-2	1.362-2
65	85	3.297-3	2.646-3	1.797-3	1.531-3	1.304-3	9.573-4	6.521-4	5.643-4	4.855-4	3.466-4
65	86	9.598-2	9.828-2	1.132-1	1.250-1	1.406-1	1.778-1	2.295-1	2.493-1	2.699-1	2.991-1
65	87	4.027-3	3.627-3	3.023-3	2.841-3	2.702-3	2.544-3	2.501-3	2.519-3	2.552-3	2.550-3
65	88	2.155-2	2.045-2	1.977-2	1.972-2	1.977-2	1.997-2	2.008-2	2.005-2	1.998-2	1.908-2
65	89	1.709-2	1.617-2	1.433-2	1.361-2	1.294-2	1.177-2	1.035-2	9.779-3	9.158-3	7.656-3
65	90	2.832-2	2.788-2	2.780-2	2.797-2	2.823-2	2.883-2	2.936-2	2.947-2	2.951-2	2.844-2
65	91	1.466-2	1.447-2	1.447-2	1.456-2	1.471-2	1.503-2	1.534-2	1.540-2	1.543-2	1.488-2
65	92	6.237-2	6.231-2	6.300-2	6.362-2	6.440-2	6.608-2	6.766-2	6.804-2	6.825-2	6.599-2
65	93	5.563-3	5.690-3	6.290-3	6.764-3	7.376-3	8.802-3	1.073-2	1.148-2	1.225-2	1.329-2
65	94	1.725-2	1.499-2	1.163-2	1.046-2	9.438-3	7.894-3	6.634-3	6.296-3	5.990-3	5.287-3
65	95	1.199-3	1.063-3	8.964-4	8.460-4	8.008-4	7.162-4	5.917-4	5.387-4	4.831-4	3.682-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
65	96	2.401-2	2.405-2	2.423-2	2.439-2	2.458-2	2.493-2	2.507-2	2.503-2	2.492-2	2.377-2
65	97	1.193-2	1.188-2	1.173-2	1.170-2	1.170-2	1.172-2	1.165-2	1.159-2	1.150-2	1.090-2
65	98	8.268-4	7.524-4	6.621-4	6.326-4	6.042-4	5.444-4	4.442-4	3.993-4	3.517-4	2.544-4
65	99	2.560-3	2.477-3	2.371-3	2.340-3	2.312-3	2.250-3	2.123-3	2.061-3	1.991-3	1.790-3
65	100	2.683-3	2.661-3	2.647-3	2.652-3	2.662-3	2.683-3	2.684-3	2.676-3	2.662-3	2.533-3
65	101	7.454-4	7.294-4	6.940-4	6.805-4	6.686-4	6.488-4	6.229-4	6.119-4	5.996-4	5.547-4
65	102	1.039-3	1.026-3	9.978-4	9.847-4	9.692-4	9.257-4	8.301-4	7.836-4	7.329-4	6.150-4
65	103	4.931-3	4.921-3	4.886-3	4.875-3	4.860-3	4.796-3	4.589-3	4.478-3	4.350-3	3.952-3
65	104	2.265-3	2.216-3	1.850-3	1.685-3	1.533-3	1.295-3	1.088-3	1.028-3	9.727-4	8.462-4
65	105	1.292-3	1.266-3	1.216-3	1.195-3	1.170-3	1.106-3	9.729-4	9.093-4	8.404-4	6.859-4
65	106	1.357-3	1.288-3	1.209-3	1.222-3	1.256-3	1.355-3	1.517-3	1.589-3	1.666-3	1.757-3
65	107	9.388-3	9.405-3	7.127-3	6.190-3	5.365-3	4.121-3	3.099-3	2.818-3	2.564-3	2.063-3
65	108	5.652-3	5.493-3	5.357-3	5.469-3	5.651-3	6.125-3	6.883-3	7.222-3	7.589-3	8.026-3
65	109	2.296-2	2.150-2	2.143-2	2.227-2	2.338-2	2.591-2	2.959-2	3.117-2	3.285-2	3.489-2
65	110	7.275-4	6.605-4	5.070-4	4.526-4	4.055-4	3.327-4	2.629-4	2.396-4	2.164-4	1.679-4
65	111	6.554-3	5.919-3	5.825-3	6.039-3	6.327-3	6.981-3	7.924-3	8.334-3	8.778-3	9.319-3
65	112	4.670-3	4.839-3	5.374-3	5.618-3	5.859-3	6.313-3	6.947-3	7.236-3	7.554-3	7.901-3
65	113	8.323-4	6.619-4	5.036-4	4.689-4	4.448-4	4.194-4	4.181-4	4.255-4	4.361-4	4.452-4
65	114	2.468-4	2.431-4	2.422-4	2.426-4	2.430-4	2.426-4	2.386-4	2.361-4	2.329-4	2.175-4
65	115	4.969-5	4.013-5	3.103-5	2.862-5	2.659-5	2.316-5	1.876-5	1.700-5	1.520-5	1.153-5
65	116	8.359-5	7.892-5	7.377-5	7.229-5	7.090-5	6.797-5	6.265-5	6.011-5	5.726-5	4.973-5
65	117	1.957-4	1.896-4	1.839-4	1.822-4	1.805-4	1.762-4	1.674-4	1.632-4	1.586-4	1.441-4
65	118	2.479-5	2.315-5	2.106-5	2.047-5	1.995-5	1.896-5	1.736-5	1.662-5	1.581-5	1.370-5
65	119	1.428-4	1.392-4	1.343-4	1.320-4	1.291-4	1.210-4	1.038-4	9.555-5	8.661-5	6.736-5
65	120	1.018-2	1.088-2	1.198-2	1.238-2	1.276-2	1.349-2	1.461-2	1.516-2	1.579-2	1.645-2
65	121	3.716-5	3.656-5	3.589-5	3.569-5	3.549-5	3.499-5	3.378-5	3.310-5	3.224-5	2.926-5
65	122	1.416-4	1.409-4	1.406-4	1.405-4	1.401-4	1.385-4	1.335-4	1.307-4	1.272-4	1.154-4
65	123	7.456-5	7.374-5	7.207-5	7.105-5	6.968-5	6.549-5	5.619-5	5.167-5	4.677-5	3.622-5
65	124	4.733-5	4.700-5	4.611-5	4.552-5	4.472-5	4.228-5	3.693-5	3.432-5	3.149-5	2.518-5
65	125	4.919-5	4.912-5	4.887-5	4.867-5	4.838-5	4.739-5	4.522-5	4.420-5	4.308-5	3.941-5
66	67	6.222-3	5.108-3	3.395-3	2.780-3	2.250-3	1.499-3	1.016-3	9.240-4	8.587-4	7.539-4
66	68	1.625-2	1.436-2	9.595-3	7.810-3	6.276-3	4.108-3	2.694-3	2.429-3	2.247-3	1.977-3
66	69	1.557-3	1.189-3	7.518-4	6.237-4	5.155-4	3.541-4	2.265-4	1.961-4	1.721-4	1.351-4
66	70	9.891-3	9.427-3	7.607-3	7.163-3	7.081-3	7.975-3	1.057-2	1.189-2	1.346-2	1.643-2
66	71	1.402-3	1.169-3	8.375-4	7.200-4	6.122-4	4.365-4	2.880-4	2.523-4	2.243-4	1.814-4
66	72	3.500-3	2.514-3	1.458-3	1.181-3	9.615-4	6.548-4	4.284-4	3.764-4	3.357-4	2.720-4
66	73	7.590-2	7.199-2	7.412-2	8.023-2	9.043-2	1.208-1	1.712-1	1.930-1	2.173-1	2.604-1
66	74	1.948-3	1.594-3	1.064-3	8.891-4	7.385-4	5.147-4	3.408-4	2.990-4	2.652-4	2.105-4
66	75	1.596-3	1.373-3	9.666-4	8.141-4	6.764-4	4.604-4	2.819-4	2.368-4	1.995-4	1.398-4
66	76	1.822-3	1.465-3	1.087-3	9.705-4	8.658-4	6.937-4	5.427-4	5.054-4	4.758-4	4.217-4
66	77	3.540-3	2.817-3	1.855-3	1.547-3	1.283-3	8.823-4	5.607-4	4.816-4	4.171-4	3.148-4
66	78	4.180-3	3.451-3	2.474-3	2.156-3	1.881-3	1.463-3	1.119-3	1.030-3	9.542-4	8.148-4
66	79	4.979-1	5.032-1	5.664-1	6.327-1	7.303-1	9.943-1	1.398-0	1.562-0	1.737-0	2.025-0
66	80	3.851-3	3.314-3	2.499-3	2.246-3	2.036-3	1.724-3	1.444-3	1.353-3	1.263-3	1.058-3
66	81	2.091-2	2.037-2	1.961-2	1.932-2	1.903-2	1.830-2	1.673-2	1.589-2	1.490-2	1.238-2
66	82	7.703-3	7.409-3	7.047-3	6.935-3	6.834-3	6.628-3	6.220-3	6.001-3	5.741-3	5.010-3
66	83	1.320-2	1.276-2	1.221-2	1.206-2	1.193-2	1.170-2	1.119-2	1.090-2	1.054-2	9.432-3
66	84	5.237-3	4.647-3	3.635-3	3.302-3	3.018-3	2.588-3	2.191-3	2.061-3	1.931-3	1.632-3
66	85	1.659-2	1.646-2	1.627-2	1.620-2	1.613-2	1.594-2	1.541-2	1.510-2	1.472-2	1.344-2
66	86	8.086-3	7.873-3	7.489-3	7.356-3	7.234-3	7.006-3	6.628-3	6.438-3	6.213-3	5.534-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
66	87	8.020-3	7.948-3	7.783-3	7.707-3	7.622-3	7.413-3	6.981-3	6.755-3	6.487-3	5.720-3
66	88	3.774-3	3.889-3	4.445-3	4.852-3	5.370-3	6.575-3	8.213-3	8.844-3	9.496-3	1.038-2
66	89	7.021-4	6.617-4	5.532-4	5.126-4	4.812-4	4.490-4	4.569-4	4.713-4	4.905-4	5.166-4
66	90	6.197-4	5.805-4	5.403-4	5.312-4	5.247-4	5.132-4	4.861-4	4.723-4	4.578-4	4.180-4
66	91	6.685-4	6.846-4	7.684-4	8.317-4	9.123-4	1.098-3	1.346-3	1.441-3	1.538-3	1.668-3
66	92	6.204-4	5.876-4	5.457-4	5.313-4	5.168-4	4.833-4	4.187-4	3.886-4	3.564-4	2.863-4
66	93	3.140-3	3.075-3	2.961-3	2.919-3	2.879-3	2.795-3	2.642-3	2.564-3	2.470-3	2.190-3
66	94	3.809-4	3.476-4	2.593-4	2.191-4	1.809-4	1.193-4	7.060-5	5.980-5	5.177-5	4.049-5
66	95	2.218-4	1.895-4	1.505-4	1.390-4	1.291-4	1.122-4	9.041-5	8.172-5	7.278-5	5.469-5
66	96	5.922-4	5.737-4	5.507-4	5.455-4	5.425-4	5.403-4	5.406-4	5.425-4	5.456-4	5.354-4
66	97	1.171-3	1.205-3	1.313-3	1.391-3	1.490-3	1.716-3	2.025-3	2.147-3	2.275-3	2.435-3
66	98	1.383-4	1.200-4	9.936-5	9.373-5	8.919-5	8.202-5	7.321-5	6.978-5	6.629-5	5.803-5
66	99	8.612-4	8.687-4	9.048-4	9.369-4	9.781-4	1.070-3	1.188-3	1.233-3	1.281-3	1.327-3
66	100	6.052-4	6.442-4	7.227-4	7.755-4	8.397-4	9.806-4	1.166-3	1.239-3	1.314-3	1.408-3
66	101	3.306-3	3.588-3	4.091-3	4.411-3	4.793-3	5.621-3	6.721-3	7.159-3	7.618-3	8.212-3
66	102	1.305-4	1.288-4	1.233-4	1.209-4	1.186-4	1.141-4	1.081-4	1.062-4	1.046-4	9.900-5
66	103	1.515-3	1.564-3	1.625-3	1.668-3	1.720-3	1.822-3	1.931-3	1.970-3	2.010-3	2.020-3
66	104	5.740-4	6.072-4	6.560-4	6.931-4	7.387-4	8.392-4	9.755-4	1.031-3	1.089-3	1.161-3
66	105	2.261-3	2.420-3	2.644-3	2.802-3	2.991-3	3.399-3	3.938-3	4.153-3	4.378-3	4.649-3
66	106	3.843-4	3.468-4	2.478-4	2.077-4	1.716-4	1.166-4	7.372-5	6.345-5	5.508-5	4.144-5
66	107	5.288-4	5.187-4	4.853-4	4.822-4	4.850-4	5.035-4	5.477-4	5.708-4	5.970-4	6.284-4
66	108	1.987-4	1.857-4	1.426-4	1.259-4	1.113-4	8.894-5	7.056-5	6.558-5	6.108-5	5.169-5
66	109	7.822-4	7.338-4	6.119-4	5.682-4	5.297-4	4.672-4	3.981-4	3.714-4	3.428-4	2.771-4
66	110	5.992-4	5.898-4	5.648-4	5.536-4	5.418-4	5.144-4	4.609-4	4.333-4	4.011-4	3.226-4
66	111	9.193-4	7.795-4	5.162-4	4.353-4	3.692-4	2.753-4	2.003-4	1.792-4	1.597-4	1.219-4
66	112	4.306-4	3.865-4	2.983-4	2.687-4	2.435-4	2.050-4	1.678-4	1.550-4	1.419-4	1.131-4
66	113	1.167-4	9.995-5	7.796-5	7.097-5	6.495-5	5.544-5	4.545-5	4.178-5	3.794-5	2.959-5
66	114	5.878-5	4.640-5	3.095-5	2.667-5	2.325-5	1.840-5	1.436-5	1.316-5	1.202-5	9.688-6
66	115	4.256-5	3.199-5	1.900-5	1.536-5	1.244-5	8.331-6	5.089-6	4.236-6	3.503-6	2.313-6
66	116	1.587-4	1.656-4	1.818-4	1.887-4	1.954-4	2.083-4	2.274-4	2.365-4	2.467-4	2.577-4
66	117	2.313-4	2.409-4	2.644-4	2.743-4	2.840-4	3.024-4	3.297-4	3.425-4	3.568-4	3.717-4
66	118	1.913-4	2.042-4	2.292-4	2.392-4	2.488-4	2.666-4	2.922-4	3.043-4	3.178-4	3.329-4
66	119	2.623-5	2.079-5	1.506-5	1.353-5	1.229-5	1.040-5	8.449-6	7.757-6	7.061-6	5.602-6
66	120	4.541-4	4.517-4	3.981-4	3.761-4	3.559-4	3.206-4	2.742-4	2.541-4	2.319-4	1.810-4
66	121	3.352-4	3.528-4	3.818-4	3.930-4	4.038-4	4.249-4	4.589-4	4.761-4	4.957-4	5.167-4
66	122	6.323-4	6.409-4	6.729-4	6.868-4	7.007-4	7.296-4	7.814-4	8.084-4	8.393-4	8.701-4
66	123	7.251-4	7.213-4	7.501-4	7.635-4	7.770-4	8.058-4	8.588-4	8.866-4	9.183-4	9.479-4
66	124	1.308-4	1.308-4	1.315-4	1.321-4	1.329-4	1.356-4	1.426-4	1.468-4	1.518-4	1.565-4
66	125	3.312-4	3.323-4	3.347-4	3.362-4	3.383-4	3.450-4	3.629-4	3.735-4	3.859-4	3.967-4
67	68	3.933-2	3.253-2	2.223-2	1.862-2	1.545-2	1.067-2	6.903-3	5.980-3	5.214-3	3.939-3
67	69	4.080-3	3.409-3	2.329-3	1.937-3	1.581-3	1.016-3	5.625-4	4.593-4	3.812-4	2.732-4
67	70	5.381-2	5.420-2	4.146-2	3.536-2	2.971-2	2.090-2	1.400-2	1.240-2	1.112-2	9.045-3
67	71	2.289-2	2.252-2	2.420-2	2.714-2	3.219-2	4.842-2	7.575-2	8.525-2	9.363-2	1.027-1
67	72	3.345-3	2.606-3	1.692-3	1.398-3	1.140-3	7.421-4	4.179-4	3.377-4	2.728-4	1.753-4
67	73	2.719-3	2.402-3	1.676-3	1.389-3	1.134-3	7.465-4	4.532-4	3.877-4	3.380-4	2.664-4
67	74	2.206-2	2.143-2	2.280-2	2.539-2	2.972-2	4.283-2	6.394-2	7.147-2	7.834-2	8.622-2
67	75	1.055-2	9.863-3	9.699-3	1.044-2	1.185-2	1.639-2	2.386-2	2.655-2	2.903-2	3.189-2
67	76	3.992-3	3.348-3	2.467-3	2.108-3	1.768-3	1.215-3	7.630-4	6.585-4	5.787-4	4.608-4
67	77	3.163-2	3.040-2	3.075-2	3.333-2	3.792-2	5.200-2	7.618-2	8.692-2	9.907-2	1.214-1
67	78	7.622-2	7.523-2	8.214-2	9.188-2	1.071-1	1.507-1	2.219-1	2.528-1	2.872-1	3.491-1

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
67	79	2.757-3	2.391-3	1.696-3	1.422-3	1.174-3	7.892-4	4.807-4	4.053-4	3.438-4	2.475-4
67	80	6.376-3	5.164-3	3.138-3	2.469-3	1.903-3	1.087-3	5.019-4	3.769-4	2.843-4	1.641-4
67	81	1.166-2	8.675-3	5.624-3	4.777-3	4.079-3	3.040-3	2.096-3	1.808-3	1.542-3	1.071-3
67	82	9.142-2	9.230-2	1.062-1	1.193-1	1.378-1	1.848-1	2.534-1	2.806-1	3.094-1	3.549-1
67	83	6.301-2	6.339-2	7.164-2	7.979-2	9.126-2	1.205-1	1.631-1	1.799-1	1.976-1	2.252-1
67	84	1.081-1	1.099-1	1.270-1	1.419-1	1.621-1	2.122-1	2.840-1	3.122-1	3.418-1	3.869-1
67	85	1.143-3	8.920-4	5.344-4	4.225-4	3.286-4	1.932-4	9.402-5	7.202-5	5.527-5	3.252-5
67	86	9.462-2	9.683-2	1.114-1	1.233-1	1.392-1	1.777-1	2.319-1	2.531-1	2.751-1	3.075-1
67	87	2.299-3	1.794-3	1.072-3	8.528-4	6.732-4	4.198-4	2.338-4	1.905-4	1.561-4	1.046-4
67	88	1.022-2	9.810-3	9.499-3	9.476-3	9.495-3	9.577-3	9.595-3	9.565-3	9.514-3	9.066-3
67	89	8.109-3	6.464-3	4.335-3	3.667-3	3.105-3	2.286-3	1.652-3	1.492-3	1.356-3	1.108-3
67	90	1.330-2	1.308-2	1.295-2	1.300-2	1.309-2	1.332-2	1.350-2	1.353-2	1.352-2	1.300-2
67	91	1.537-3	1.313-3	1.061-3	9.881-4	9.247-4	8.105-4	6.489-4	5.812-4	5.106-4	3.688-4
67	92	4.336-3	3.916-3	3.464-3	3.323-3	3.186-3	2.889-3	2.367-3	2.129-3	1.874-3	1.354-3
67	93	7.655-2	8.095-2	9.522-2	1.048-1	1.167-1	1.439-1	1.808-1	1.951-1	2.100-1	2.307-1
67	94	1.035-2	9.750-3	8.440-3	7.894-3	7.377-3	6.488-3	5.510-3	5.150-3	4.774-3	3.911-3
67	95	7.542-4	5.557-4	3.422-4	2.863-4	2.419-4	1.786-4	1.232-4	1.065-4	9.097-5	6.320-5
67	96	1.273-2	1.263-2	1.261-2	1.267-2	1.276-2	1.293-2	1.299-2	1.296-2	1.290-2	1.230-2
67	97	1.668-2	1.667-2	1.676-2	1.687-2	1.702-2	1.736-2	1.767-2	1.774-2	1.779-2	1.717-2
67	98	1.263-4	8.684-5	4.569-5	3.512-5	2.688-5	1.572-5	7.803-6	6.014-6	4.630-6	2.713-6
67	99	6.428-3	6.368-3	6.356-3	6.396-3	6.458-3	6.599-3	6.753-3	6.799-3	6.834-3	6.632-3
67	100	4.911-4	4.202-4	3.473-4	3.287-4	3.137-4	2.902-4	2.625-4	2.516-4	2.404-4	2.120-4
67	101	2.253-4	1.688-4	1.114-4	9.568-5	8.281-5	6.396-5	4.749-5	4.251-5	3.779-5	2.862-5
67	102	1.908-4	1.735-4	1.559-4	1.498-4	1.436-4	1.298-4	1.057-4	9.484-5	8.338-5	6.012-5
67	103	1.632-2	1.648-2	1.671-2	1.688-2	1.708-2	1.749-2	1.793-2	1.807-2	1.818-2	1.766-2
67	104	1.315-3	1.074-3	7.502-4	6.433-4	5.512-4	4.128-4	2.970-4	2.646-4	2.349-4	1.787-4
67	105	6.771-3	6.839-3	6.927-3	6.993-3	7.073-3	7.237-3	7.411-3	7.465-3	7.505-3	7.283-3
67	106	2.299-2	2.433-2	2.630-2	2.794-2	2.994-2	3.433-2	4.037-2	4.286-2	4.548-2	4.882-2
67	107	3.752-3	3.405-3	2.621-3	2.319-3	2.049-3	1.626-3	1.242-3	1.123-3	1.009-3	7.774-4
67	108	6.888-4	6.240-4	4.298-4	3.535-4	2.865-4	1.861-4	1.078-4	8.867-5	7.303-5	4.881-5
67	109	2.398-4	2.088-4	1.347-4	1.084-4	8.596-5	5.346-5	2.892-5	2.313-5	1.852-5	1.176-5
67	110	1.736-4	1.415-4	8.705-5	6.955-5	5.500-5	3.430-5	1.913-5	1.567-5	1.297-5	9.028-6
67	111	3.347-3	3.003-3	2.952-3	3.066-3	3.218-3	3.564-3	4.068-3	4.285-3	4.518-3	4.804-3
67	112	5.057-3	5.338-3	6.098-3	6.427-3	6.746-3	7.334-3	8.126-3	8.477-3	8.859-3	9.277-3
67	113	4.269-3	4.579-3	5.342-3	5.660-3	5.966-3	6.526-3	7.287-3	7.626-3	7.997-3	8.427-3
67	114	1.701-5	1.296-5	8.989-6	7.958-6	7.117-6	5.808-6	4.381-6	3.868-6	3.362-6	2.398-6
67	115	1.362-5	9.992-6	6.723-6	5.878-6	5.190-6	4.140-6	3.099-6	2.768-6	2.465-6	1.917-6
67	116	8.769-5	8.681-5	8.668-5	8.689-5	8.717-5	8.784-5	8.888-5	8.934-5	8.967-5	8.668-5
67	117	4.005-4	4.026-4	4.097-4	4.129-4	4.161-4	4.222-4	4.304-4	4.338-4	4.366-4	4.242-4
67	118	8.077-6	7.685-6	7.252-6	7.113-6	6.974-6	6.670-6	6.142-6	5.897-6	5.620-6	4.887-6
67	119	4.044-5	3.899-5	3.671-5	3.571-5	3.458-5	3.166-5	2.601-5	2.338-5	2.058-5	1.488-5
67	120	2.421-3	2.624-3	2.945-3	3.062-3	3.172-3	3.379-3	3.696-3	3.848-3	4.019-3	4.210-3
67	121	2.479-5	2.435-5	2.363-5	2.336-5	2.307-5	2.235-5	2.082-5	2.001-5	1.905-5	1.640-5
67	122	1.697-5	1.659-5	1.619-5	1.606-5	1.591-5	1.552-5	1.466-5	1.420-5	1.366-5	1.208-5
67	123	4.405-5	4.305-5	4.243-5	4.208-5	4.152-5	3.957-5	3.486-5	3.252-5	2.992-5	2.399-5
67	124	1.017-4	1.018-4	1.017-4	1.015-4	1.014-4	1.008-4	9.962-5	9.897-5	9.807-5	9.237-5
67	125	4.348-5	4.340-5	4.307-5	4.284-5	4.254-5	4.159-5	3.950-5	3.850-5	3.736-5	3.380-5
68	69	1.423-2	1.266-2	9.628-3	8.667-3	8.076-3	8.309-3	1.063-2	1.153-2	1.229-2	1.287-2
68	70	8.542-2	8.009-2	6.003-2	5.061-2	4.169-2	2.734-2	1.565-2	1.283-2	1.058-2	7.175-3
68	71	7.957-3	7.537-3	5.728-3	4.905-3	4.164-3	3.143-3	2.663-3	2.624-3	2.614-3	2.543-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
68	72	1.751-2	1.570-2	1.125-2	9.402-3	7.718-3	5.166-3	3.395-3	3.048-3	2.802-3	2.431-3
68	73	8.635-3	6.909-3	4.636-3	3.862-3	3.181-3	2.143-3	1.311-3	1.108-3	9.449-4	6.967-4
68	74	5.154-3	4.178-3	2.688-3	2.164-3	1.704-3	1.013-3	5.011-4	3.916-4	3.114-4	2.073-4
68	75	4.661-3	3.821-3	2.533-3	2.063-3	1.643-3	1.004-3	5.232-4	4.200-4	3.445-4	2.453-4
68	76	1.073-2	1.012-2	8.439-3	7.920-3	7.667-3	8.066-3	9.832-3	1.061-2	1.136-2	1.219-2
68	77	4.033-2	3.712-2	3.480-2	3.669-2	4.084-2	5.482-2	7.845-2	8.719-2	9.535-2	1.049-1
68	78	3.583-2	3.263-2	3.045-2	3.207-2	3.562-2	4.747-2	6.877-2	7.851-2	8.973-2	1.107-1
68	79	2.682-2	2.175-2	1.415-2	1.168-2	9.599-3	6.599-3	4.368-3	3.851-3	3.442-3	2.780-3
68	80	3.374-1	3.348-1	3.602-1	3.977-1	4.561-1	6.188-1	8.756-1	9.840-1	1.104-0	1.311-0
68	81	4.322-2	3.906-2	3.627-2	3.792-2	4.144-2	5.245-2	7.050-2	7.809-2	8.638-2	1.002-1
68	82	6.748-3	4.948-3	2.882-3	2.301-3	1.831-3	1.170-3	6.738-4	5.526-4	4.530-4	2.985-4
68	83	2.177-2	1.927-2	1.768-2	1.833-2	1.976-2	2.424-2	3.143-2	3.441-2	3.763-2	4.275-2
68	84	3.141-1	3.153-1	3.593-1	4.006-1	4.576-1	6.000-1	8.037-1	8.842-1	9.694-1	1.102-0
68	85	8.636-1	8.794-1	1.013-0	1.130-0	1.289-0	1.685-0	2.253-0	2.478-0	2.715-0	3.080-0
68	86	3.998-2	3.967-2	4.368-2	4.772-2	5.328-2	6.700-2	8.625-2	9.379-2	1.017-1	1.135-1
68	87	2.060-1	2.135-1	2.482-1	2.750-1	3.098-1	3.923-1	5.061-1	5.504-1	5.966-1	6.640-1
68	88	3.288-3	2.807-3	2.242-3	2.094-3	1.982-3	1.841-3	1.743-3	1.719-3	1.697-3	1.603-3
68	89	3.558-2	3.429-2	2.994-2	2.806-2	2.630-2	2.337-2	2.030-2	1.921-2	1.810-2	1.543-2
68	90	1.024-2	9.423-3	8.310-3	8.019-3	7.802-3	7.513-3	7.207-3	7.087-3	6.957-3	6.483-3
68	91	7.007-4	5.757-4	4.149-4	3.712-4	3.376-4	2.940-4	2.648-4	2.583-4	2.530-4	2.369-4
68	92	4.270-3	3.223-3	2.156-3	1.883-3	1.670-3	1.370-3	1.107-3	1.025-3	9.451-4	7.793-4
68	93	2.931-3	2.539-3	1.930-3	1.729-3	1.553-3	1.260-3	9.387-4	8.258-4	7.157-4	5.080-4
68	94	1.551-2	1.356-2	1.039-2	9.193-3	8.117-3	6.437-3	5.027-3	4.650-3	4.317-3	3.649-3
68	95	5.816-2	5.638-2	5.509-2	5.511-2	5.536-2	5.614-2	5.682-2	5.692-2	5.690-2	5.470-2
68	96	4.547-3	4.031-3	3.441-3	3.285-3	3.164-3	2.995-3	2.834-3	2.778-3	2.720-3	2.521-3
68	97	3.614-3	3.218-3	2.648-3	2.465-3	2.308-3	2.060-3	1.802-3	1.712-3	1.623-3	1.415-3
68	98	7.627-2	7.632-2	7.708-2	7.779-2	7.869-2	8.054-2	8.213-2	8.245-2	8.257-2	7.958-2
68	99	4.619-2	4.615-2	4.636-2	4.669-2	4.712-2	4.806-2	4.892-2	4.913-2	4.923-2	4.752-2
68	100	3.295-2	3.310-2	3.346-2	3.375-2	3.410-2	3.484-2	3.553-2	3.571-2	3.580-2	3.458-2
68	101	1.452-2	1.459-2	1.472-2	1.483-2	1.496-2	1.525-2	1.551-2	1.556-2	1.559-2	1.501-2
68	102	2.292-2	2.304-2	2.313-2	2.321-2	2.329-2	2.337-2	2.305-2	2.281-2	2.251-2	2.110-2
68	103	4.894-3	4.825-3	4.697-3	4.641-3	4.575-3	4.383-3	3.946-3	3.730-3	3.494-3	2.939-3
68	104	5.548-3	5.901-3	5.466-3	5.182-3	4.906-3	4.433-3	3.940-3	3.775-3	3.613-3	3.211-3
68	105	3.430-3	3.403-3	3.330-3	3.292-3	3.244-3	3.100-3	2.771-3	2.608-3	2.429-3	2.016-3
68	106	2.111-3	1.995-3	1.875-3	1.908-3	1.977-3	2.171-3	2.478-3	2.612-3	2.758-3	2.945-3
68	107	9.211-3	8.466-3	7.165-3	6.666-3	6.217-3	5.513-3	4.886-3	4.702-3	4.529-3	4.080-3
68	108	1.245-2	1.224-2	1.225-2	1.274-2	1.344-2	1.508-2	1.744-2	1.843-2	1.950-2	2.086-2
68	109	2.540-2	2.370-2	2.363-2	2.463-2	2.595-2	2.894-2	3.324-2	3.509-2	3.707-2	3.955-2
68	110	1.181-2	1.081-2	1.044-2	1.070-2	1.109-2	1.205-2	1.354-2	1.420-2	1.491-2	1.575-2
68	111	1.667-4	1.431-4	9.046-5	7.289-5	5.819-5	3.704-5	2.092-5	1.699-5	1.380-5	8.927-6
68	112	9.276-3	9.859-3	1.146-2	1.217-2	1.287-2	1.414-2	1.583-2	1.658-2	1.740-2	1.838-2
68	113	2.900-4	2.141-4	1.239-4	9.996-5	8.112-5	5.526-5	3.544-5	3.028-5	2.584-5	1.836-5
68	114	4.645-4	4.568-4	4.549-4	4.558-4	4.569-4	4.587-4	4.586-4	4.578-4	4.560-4	4.344-4
68	115	1.257-4	1.089-4	9.594-5	9.316-5	9.098-5	8.726-5	8.187-5	7.960-5	7.716-5	6.991-5
68	116	6.771-5	6.117-5	5.540-5	5.410-5	5.311-5	5.169-5	5.021-5	4.966-5	4.903-5	4.599-5
68	117	1.463-4	1.364-4	1.278-4	1.256-4	1.237-4	1.195-4	1.114-4	1.073-4	1.026-4	8.964-5
68	118	5.076-5	4.790-5	4.505-5	4.426-5	4.354-5	4.206-5	3.952-5	3.835-5	3.705-5	3.327-5
68	119	9.763-4	9.770-4	9.790-4	9.781-4	9.752-4	9.614-4	9.233-4	9.038-4	8.813-4	8.059-4
68	120	1.137-2	1.228-2	1.371-2	1.425-2	1.476-2	1.571-2	1.715-2	1.785-2	1.864-2	1.954-2
68	121	5.145-5	5.101-5	5.053-5	5.041-5	5.028-5	4.986-5	4.869-5	4.804-5	4.721-5	4.372-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
68	122	9.023-5	8.970-5	8.945-5	8.933-5	8.913-5	8.828-5	8.597-5	8.474-5	8.323-5	7.710-5
68	123	1.589-4	1.568-4	1.532-4	1.512-4	1.486-4	1.405-4	1.222-4	1.132-4	1.033-4	8.127-5
68	124	3.538-5	3.493-5	3.418-5	3.375-5	3.317-5	3.139-5	2.741-5	2.546-5	2.331-5	1.852-5
68	125	1.430-4	1.427-4	1.417-4	1.409-4	1.399-4	1.365-4	1.283-4	1.241-4	1.192-4	1.053-4
69	70	2.726-2	2.565-2	2.445-2	2.548-2	2.791-2	3.641-2	5.735-2	7.071-2	8.636-2	1.122-1
69	71	6.762-2	5.862-2	4.893-2	4.547-2	4.162-2	3.337-2	2.393-2	2.118-2	1.883-2	1.481-2
69	72	9.867-2	8.685-2	7.233-2	6.749-2	6.292-2	5.461-2	4.494-2	4.160-2	3.839-2	3.182-2
69	73	9.107-3	8.306-3	7.982-3	8.479-3	9.664-3	1.453-2	2.386-2	2.678-2	2.900-2	3.059-2
69	74	2.455-2	1.976-2	1.704-2	1.637-2	1.561-2	1.387-2	1.187-2	1.135-2	1.098-2	1.033-2
69	75	2.371-2	1.873-2	1.560-2	1.469-2	1.378-2	1.206-2	1.026-2	9.779-3	9.402-3	8.677-3
69	76	6.116-2	5.173-2	4.497-2	4.226-2	3.916-2	3.258-2	2.496-2	2.268-2	2.072-2	1.735-2
69	77	1.221-2	1.217-2	1.095-2	1.011-2	9.135-3	7.123-3	4.901-3	4.246-3	3.679-3	2.737-3
69	78	1.424-2	1.452-2	1.371-2	1.283-2	1.168-2	9.109-3	6.127-3	5.239-3	4.469-3	3.209-3
69	79	1.766-3	1.607-3	1.218-3	1.053-3	9.086-4	7.105-4	6.165-4	6.129-4	6.181-4	6.177-4
69	80	3.131-2	2.976-2	2.332-2	2.017-2	1.708-2	1.181-2	7.332-3	6.282-3	5.473-3	4.277-3
69	81	7.115-3	6.174-3	4.216-3	3.475-3	2.820-3	1.840-3	1.110-3	9.509-4	8.326-4	6.631-4
69	82	1.054-3	9.472-4	7.304-4	6.515-4	5.805-4	4.695-4	3.819-4	3.621-4	3.472-4	3.177-4
69	83	4.253-3	3.618-3	2.467-3	2.063-3	1.710-3	1.178-3	7.731-4	6.828-4	6.143-4	5.094-4
69	84	6.013-3	4.589-3	2.814-3	2.243-3	1.755-3	1.042-3	5.164-4	4.018-4	3.158-4	2.000-4
69	85	1.043-2	8.362-3	5.423-3	4.461-3	3.637-3	2.417-3	1.487-3	1.273-3	1.106-3	8.548-4
69	86	6.390-3	6.104-3	4.670-3	4.080-3	3.559-3	2.784-3	2.212-3	2.086-3	1.991-3	1.804-3
69	87	1.389-2	1.269-2	9.150-3	7.756-3	6.496-3	4.543-3	3.021-3	2.678-3	2.416-3	2.008-3
69	88	6.110-3	5.690-3	5.302-3	5.288-3	5.373-3	5.775-3	6.609-3	7.009-3	7.458-3	8.111-3
69	89	1.986-2	1.746-2	1.364-2	1.188-2	1.019-2	7.517-3	5.676-3	5.401-3	5.294-3	5.223-3
69	90	1.446-2	1.398-2	1.390-2	1.433-2	1.505-2	1.711-2	2.039-2	2.177-2	2.327-2	2.538-2
69	91	8.854-4	7.903-4	6.187-4	5.465-4	4.708-4	3.273-4	1.905-4	1.561-4	1.286-4	8.776-5
69	92	3.749-3	3.010-3	2.213-3	1.978-3	1.785-3	1.524-3	1.381-3	1.370-3	1.376-3	1.370-3
69	93	1.377-3	1.289-3	1.139-3	1.065-3	9.920-4	8.673-4	7.622-4	7.377-4	7.184-4	6.683-4
69	94	7.139-3	6.743-3	5.013-3	4.186-3	3.384-3	2.065-3	1.008-3	7.744-4	6.024-4	3.815-4
69	95	2.972-2	2.943-2	2.914-2	2.933-2	2.978-2	3.133-2	3.449-2	3.605-2	3.780-2	3.997-2
69	96	1.171-2	1.206-2	1.295-2	1.367-2	1.462-2	1.696-2	2.040-2	2.183-2	2.335-2	2.547-2
69	97	2.622-3	2.560-3	2.147-3	1.938-3	1.742-3	1.446-3	1.276-3	1.269-3	1.285-3	1.313-3
69	98	3.006-3	2.413-3	1.712-3	1.483-3	1.281-3	9.655-4	6.859-4	6.077-4	5.388-4	4.169-4
69	99	4.733-2	5.032-2	5.584-2	5.954-2	6.414-2	7.458-2	8.917-2	9.512-2	1.014-1	1.099-1
69	100	3.957-3	3.560-3	2.951-3	2.714-3	2.501-3	2.186-3	2.001-3	1.991-3	2.004-3	2.001-3
69	101	1.289-3	9.960-4	6.944-4	5.853-4	4.830-4	3.153-4	1.742-4	1.399-4	1.126-4	7.275-5
69	102	1.285-2	1.313-2	1.298-2	1.300-2	1.311-2	1.355-2	1.460-2	1.516-2	1.580-2	1.653-2
69	103	1.823-2	1.938-2	2.080-2	2.186-2	2.319-2	2.622-2	3.052-2	3.231-2	3.422-2	3.667-2
69	104	1.341-3	1.491-3	1.291-3	1.127-3	9.478-4	6.221-4	3.413-4	2.775-4	2.303-4	1.670-4
69	105	1.048-3	9.897-4	8.099-4	7.363-4	6.703-4	5.724-4	5.086-4	5.008-4	4.994-4	4.913-4
69	106	5.855-3	5.769-3	4.078-3	3.316-3	2.625-3	1.573-3	7.852-4	6.135-4	4.851-4	3.127-4
69	107	3.065-3	2.415-3	1.647-3	1.355-3	1.082-3	6.476-4	3.042-4	2.275-4	1.701-4	9.506-5
69	108	3.028-2	2.810-2	1.942-2	1.577-2	1.248-2	7.490-3	3.757-3	2.941-3	2.329-3	1.500-3
69	109	1.026-2	8.685-3	5.524-3	4.399-3	3.429-3	2.007-3	9.789-4	7.603-4	5.993-4	3.878-4
69	110	6.105-3	5.135-3	3.282-3	2.619-3	2.047-3	1.213-3	6.055-4	4.732-4	3.739-4	2.397-4
69	111	2.097-3	1.746-3	1.151-3	9.384-4	7.526-4	4.773-4	2.764-4	2.337-4	2.022-4	1.575-4
69	112	2.276-3	1.813-3	1.075-3	8.429-4	6.511-4	3.816-4	1.924-4	1.523-4	1.224-4	8.210-5
69	113	9.096-3	7.935-3	5.527-3	4.515-3	3.594-3	2.181-3	1.113-3	8.788-4	7.025-4	4.627-4
69	114	3.132-3	2.361-3	1.762-3	1.644-3	1.566-3	1.496-3	1.526-3	1.567-3	1.619-3	1.676-3
69	115	2.140-3	1.428-3	7.662-4	6.021-4	4.753-4	3.052-4	1.828-4	1.535-4	1.296-4	9.206-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
69	116	2.503-3	1.944-3	1.335-3	1.165-3	1.028-3	8.329-4	6.742-4	6.283-4	5.846-4	4.891-4
69	117	6.364-2	6.815-2	7.733-2	8.096-2	8.442-2	9.083-2	9.997-2	1.042-1	1.089-1	1.141-1
69	118	5.812-4	4.349-4	2.616-4	2.127-4	1.734-4	1.188-4	7.841-5	6.858-5	6.035-5	4.629-5
69	119	1.673-1	1.784-1	1.996-1	2.078-1	2.156-1	2.301-1	2.519-1	2.621-1	2.735-1	2.856-1
69	120	3.250-3	3.019-3	1.957-3	1.557-3	1.214-3	7.187-4	3.609-4	2.831-4	2.244-4	1.444-4
69	121	7.877-4	6.887-4	4.454-4	3.613-4	2.906-4	1.892-4	1.139-4	9.602-5	8.138-5	5.789-5
69	122	1.416-2	1.424-2	1.489-2	1.521-2	1.553-2	1.621-2	1.743-2	1.807-2	1.882-2	1.963-2
69	123	8.601-3	8.393-3	8.595-3	8.728-3	8.871-3	9.196-3	9.819-3	1.015-2	1.054-2	1.092-2
69	124	1.948-1	1.962-1	1.989-1	2.004-1	2.022-1	2.073-1	2.195-1	2.268-1	2.354-1	2.443-1
69	125	2.076-3	2.083-3	2.102-3	2.114-3	2.129-3	2.176-3	2.296-3	2.367-3	2.450-3	2.530-3
70	71	9.457-3	9.054-3	8.011-3	7.792-3	7.869-3	8.919-3	1.262-2	1.520-2	1.827-2	2.334-2
70	72	1.256-2	1.037-2	7.272-3	6.083-3	4.964-3	3.132-3	1.628-3	1.281-3	1.016-3	6.543-4
70	73	9.324-3	7.724-3	5.269-3	4.385-3	3.610-3	2.454-3	1.598-3	1.416-3	1.287-3	1.121-3
70	74	7.807-3	7.580-3	5.710-3	5.131-3	4.854-3	5.350-3	7.340-3	8.048-3	8.614-3	9.027-3
70	75	1.866-2	1.872-2	1.754-2	1.840-2	2.074-2	3.006-2	4.734-2	5.313-2	5.795-2	6.247-2
70	76	1.746-2	1.616-2	1.450-2	1.460-2	1.555-2	2.035-2	3.002-2	3.335-2	3.616-2	3.878-2
70	77	2.284-2	2.054-2	1.608-2	1.526-2	1.533-2	1.805-2	2.458-2	2.705-2	2.928-2	3.159-2
70	78	1.587-2	1.290-2	8.306-3	6.709-3	5.321-3	3.263-3	1.738-3	1.401-3	1.146-3	7.922-4
70	79	7.451-3	6.452-3	4.683-3	4.026-3	3.448-3	2.586-3	1.943-3	1.803-3	1.701-3	1.535-3
70	80	1.840-1	1.824-1	1.969-1	2.185-1	2.526-1	3.491-1	5.082-1	5.787-1	6.588-1	8.057-1
70	81	2.660-2	2.455-2	2.446-2	2.635-2	2.955-2	3.881-2	5.376-2	6.018-2	6.731-2	7.972-2
70	82	2.456-2	2.368-2	2.499-2	2.738-2	3.107-2	4.112-2	5.663-2	6.312-2	7.024-2	8.237-2
70	83	1.501-1	1.499-1	1.710-1	1.922-1	2.221-1	2.989-1	4.129-1	4.595-1	5.099-1	5.936-1
70	84	1.946-2	1.663-2	1.402-2	1.389-2	1.431-2	1.630-2	2.006-2	2.173-2	2.358-2	2.656-2
70	85	2.499-2	1.906-2	1.213-2	1.012-2	8.467-3	6.028-3	3.946-3	3.357-3	2.833-3	1.939-3
70	86	1.696-1	1.730-1	2.009-1	2.244-1	2.558-1	3.322-1	4.400-1	4.826-1	5.276-1	5.970-1
70	87	4.394-1	4.563-1	5.360-1	5.964-1	6.750-1	8.626-1	1.125-0	1.229-0	1.338-0	1.501-0
70	88	4.098-3	3.493-3	2.779-3	2.585-3	2.436-3	2.241-3	2.096-3	2.056-3	2.019-3	1.890-3
70	89	1.679-2	1.484-2	1.098-2	9.509-3	8.203-3	6.193-3	4.527-3	4.082-3	3.690-3	2.955-3
70	90	9.096-3	8.609-3	7.941-3	7.777-3	7.669-3	7.555-3	7.432-3	7.376-3	7.310-3	6.933-3
70	91	1.185-3	9.963-4	7.765-4	7.183-4	6.734-4	6.130-4	5.634-4	5.486-4	5.345-4	4.929-4
70	92	2.881-3	2.253-3	1.538-3	1.341-3	1.181-3	9.425-4	7.142-4	6.391-4	5.671-4	4.293-4
70	93	1.583-1	1.677-1	1.997-1	2.217-1	2.492-1	3.119-1	3.966-1	4.296-1	4.643-1	5.142-1
70	94	4.146-2	3.523-2	2.598-2	2.290-2	2.025-2	1.629-2	1.301-2	1.211-2	1.130-2	9.607-3
70	95	1.823-2	1.744-2	1.653-2	1.634-2	1.623-2	1.610-2	1.578-2	1.560-2	1.539-2	1.443-2
70	96	1.341-2	1.307-2	1.269-2	1.267-2	1.271-2	1.290-2	1.314-2	1.321-2	1.326-2	1.285-2
70	97	1.097-2	1.039-2	9.467-3	9.203-3	9.005-3	8.754-3	8.552-3	8.488-3	8.419-3	7.991-3
70	98	6.639-3	6.184-3	5.493-3	5.257-3	5.028-3	4.540-3	3.707-3	3.331-3	2.932-3	2.117-3
70	99	4.992-3	4.269-3	3.443-3	3.210-3	3.008-3	2.647-3	2.137-3	1.923-3	1.701-3	1.250-3
70	100	4.036-3	3.545-3	3.049-3	2.917-3	2.804-3	2.596-3	2.274-3	2.134-3	1.984-3	1.648-3
70	101	1.725-3	1.492-3	1.259-3	1.187-3	1.121-3	9.955-4	8.124-4	7.348-4	6.538-4	4.882-4
70	102	4.704-2	4.749-2	4.814-2	4.861-2	4.918-2	5.031-2	5.137-2	5.164-2	5.182-2	5.010-2
70	103	2.896-2	2.920-2	2.956-2	2.983-2	3.016-2	3.084-2	3.152-2	3.171-2	3.185-2	3.086-2
70	104	1.165-2	1.167-2	1.125-2	1.110-2	1.100-2	1.091-2	1.092-2	1.093-2	1.094-2	1.056-2
70	105	2.430-2	2.450-2	2.478-2	2.501-2	2.529-2	2.587-2	2.648-2	2.667-2	2.681-2	2.600-2
70	106	3.478-3	3.339-3	3.196-3	3.272-3	3.410-3	3.779-3	4.357-3	4.608-3	4.878-3	5.227-3
70	107	1.847-2	1.850-2	1.501-2	1.363-2	1.244-2	1.073-2	9.522-3	9.267-3	9.069-3	8.480-3
70	108	3.169-2	3.100-2	3.035-2	3.144-2	3.308-2	3.714-2	4.320-2	4.579-2	4.856-2	5.212-2
70	109	2.494-2	2.273-2	2.226-2	2.317-2	2.442-2	2.732-2	3.157-2	3.338-2	3.531-2	3.775-2
70	110	1.204-3	9.945-4	6.993-4	6.056-4	5.266-4	4.087-4	3.044-4	2.727-4	2.427-4	1.843-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
70	111	3.949-2	3.497-2	3.445-2	3.603-2	3.812-2	4.281-2	4.941-2	5.222-2	5.525-2	5.911-2
70	112	5.657-3	5.921-3	6.752-3	7.130-3	7.502-3	8.198-3	9.150-3	9.576-3	1.004-2	1.058-2
70	113	1.306-3	1.112-3	9.917-4	9.832-4	9.870-4	1.018-3	1.096-3	1.140-3	1.191-3	1.251-3
70	114	4.797-4	4.684-4	4.660-4	4.676-4	4.695-4	4.730-4	4.756-4	4.759-4	4.753-4	4.549-4
70	115	1.567-4	1.428-4	1.292-4	1.248-4	1.202-4	1.097-4	9.014-5	8.113-5	7.153-5	5.188-5
70	116	3.303-4	3.234-4	3.188-4	3.183-4	3.182-4	3.182-4	3.176-4	3.172-4	3.162-4	3.018-4
70	117	1.405-4	1.278-4	1.151-4	1.113-4	1.078-4	1.001-4	8.661-5	8.046-5	7.387-5	5.933-5
70	118	9.516-4	9.594-4	9.765-4	9.841-4	9.919-4	1.007-3	1.028-3	1.035-3	1.041-3	1.009-3
70	119	9.455-4	9.472-4	9.571-4	9.612-4	9.646-4	9.687-4	9.681-4	9.667-4	9.635-4	9.195-4
70	120	1.386-2	1.500-2	1.681-2	1.748-2	1.811-2	1.929-2	2.108-2	2.195-2	2.292-2	2.401-2
70	121	2.124-4	2.130-4	2.140-4	2.145-4	2.148-4	2.150-4	2.137-4	2.128-4	2.113-4	2.001-4
70	122	2.297-4	2.292-4	2.292-4	2.291-4	2.287-4	2.267-4	2.208-4	2.176-4	2.137-4	1.980-4
70	123	2.500-5	2.416-5	2.338-5	2.306-5	2.266-5	2.148-5	1.891-5	1.768-5	1.633-5	1.330-5
70	124	1.205-4	1.205-4	1.206-4	1.206-4	1.206-4	1.202-4	1.188-4	1.179-4	1.166-4	1.092-4
70	125	6.376-5	6.356-5	6.296-5	6.250-5	6.181-5	5.949-5	5.404-5	5.129-5	4.820-5	4.053-5
71	72	2.464-2	2.297-2	2.014-2	1.900-2	1.782-2	1.540-2	1.215-2	1.096-2	9.804-3	7.595-3
71	73	5.644-3	5.363-3	5.251-3	5.585-3	6.415-3	1.003-2	1.714-2	1.919-2	2.059-2	2.119-2
71	74	2.510-2	2.179-2	1.881-2	1.750-2	1.603-2	1.305-2	1.008-2	9.366-3	8.873-3	8.193-3
71	75	2.452-2	2.196-2	2.006-2	1.902-2	1.772-2	1.492-2	1.207-2	1.141-2	1.098-2	1.035-2
71	76	4.089-2	3.684-2	3.230-2	3.021-2	2.787-2	2.290-2	1.684-2	1.483-2	1.298-2	9.679-3
71	77	2.565-2	2.465-2	2.110-2	1.938-2	1.759-2	1.431-2	1.117-2	1.038-2	9.759-3	8.720-3
71	78	2.401-2	2.304-2	2.015-2	1.854-2	1.676-2	1.326-2	9.754-3	8.827-3	8.081-3	6.856-3
71	79	1.930-3	1.587-3	1.163-3	1.027-3	9.214-4	8.153-4	8.351-4	8.661-4	9.008-4	9.324-4
71	80	1.195-2	1.056-2	7.861-3	6.727-3	5.632-3	3.779-3	2.187-3	1.806-3	1.508-3	1.079-3
71	81	5.052-3	4.220-3	2.897-3	2.439-3	2.044-3	1.460-3	1.030-3	9.379-4	8.704-4	7.641-4
71	82	2.451-3	2.374-3	1.795-3	1.517-3	1.254-3	8.325-4	5.036-4	4.318-4	3.791-4	3.051-4
71	83	5.604-3	4.876-3	3.259-3	2.641-3	2.088-3	1.238-3	5.883-4	4.447-4	3.371-4	1.950-4
71	84	9.113-3	7.624-3	4.907-3	3.945-3	3.112-3	1.885-3	9.870-4	7.937-4	6.502-4	4.560-4
71	85	3.696-3	2.962-3	2.044-3	1.741-3	1.477-3	1.078-3	7.577-4	6.794-4	6.165-4	5.119-4
71	86	6.661-3	6.181-3	4.462-3	3.730-3	3.053-3	1.986-3	1.160-3	9.796-4	8.465-4	6.607-4
71	87	5.772-3	4.857-3	3.329-3	2.760-3	2.240-3	1.416-3	7.591-4	6.096-4	4.960-4	3.390-4
71	88	6.776-3	5.944-3	5.379-3	5.329-3	5.377-3	5.701-3	6.395-3	6.722-3	7.085-3	7.573-3
71	89	1.421-2	1.319-2	1.042-2	8.925-3	7.419-3	4.887-3	2.897-3	2.494-3	2.223-3	1.900-3
71	90	8.988-3	9.023-3	8.656-3	8.506-3	8.404-3	8.403-3	8.850-3	9.154-3	9.522-3	9.968-3
71	91	5.052-3	5.207-3	5.674-3	6.036-3	6.518-3	7.698-3	9.434-3	1.015-2	1.091-2	1.201-2
71	92	2.084-3	1.700-3	1.186-3	1.001-3	8.336-4	5.682-4	3.543-4	3.039-4	2.642-4	2.024-4
71	93	2.013-3	1.720-3	1.147-3	9.398-4	7.581-4	4.842-4	2.762-4	2.296-4	1.940-4	1.427-4
71	94	1.052-2	9.874-3	7.294-3	6.110-3	4.984-3	3.178-3	1.788-3	1.500-3	1.299-3	1.048-3
71	95	3.263-3	2.633-3	1.831-3	1.533-3	1.255-3	8.029-4	4.335-4	3.470-4	2.797-4	1.831-4
71	96	1.027-2	1.074-2	1.173-2	1.242-2	1.331-2	1.544-2	1.859-2	1.990-2	2.130-2	2.325-2
71	97	6.561-3	6.827-3	7.219-3	7.545-3	8.001-3	9.159-3	1.094-2	1.170-2	1.251-2	1.365-2
71	98	1.113-3	9.201-4	6.416-4	5.363-4	4.393-4	2.858-4	1.657-4	1.393-4	1.199-4	9.321-5
71	99	1.575-2	1.660-2	1.805-2	1.903-2	2.027-2	2.316-2	2.736-2	2.912-2	3.098-2	3.346-2
71	100	4.416-2	4.740-2	5.316-2	5.686-2	6.135-2	7.140-2	8.536-2	9.104-2	9.704-2	1.050-1
71	101	2.837-3	2.633-3	2.367-3	2.281-3	2.216-3	2.156-3	2.210-3	2.266-3	2.338-3	2.413-3
71	102	1.260-3	1.317-3	1.047-3	8.866-4	7.268-4	4.596-4	2.412-4	1.915-4	1.537-4	1.023-4
71	103	7.409-3	7.875-3	8.283-3	8.598-3	9.014-3	1.001-2	1.155-2	1.221-2	1.293-2	1.387-2
71	104	1.227-2	1.329-2	1.406-2	1.462-2	1.534-2	1.705-2	1.963-2	2.076-2	2.197-2	2.354-2
71	105	1.192-2	1.273-2	1.367-2	1.435-2	1.520-2	1.712-2	1.989-2	2.105-2	2.230-2	2.389-2
71	106	1.896-2	1.741-2	1.196-2	9.650-3	7.570-3	4.412-3	2.067-3	1.565-3	1.194-3	7.151-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
71	107	9.551-3	7.429-3	4.995-3	4.232-3	3.583-3	2.647-3	2.032-3	1.937-3	1.894-3	1.837-3
71	108	9.388-3	9.276-3	6.546-3	5.315-3	4.198-3	2.496-3	1.218-3	9.381-4	7.275-4	4.444-4
71	109	4.536-3	3.870-3	2.508-3	2.000-3	1.554-3	8.930-4	4.099-4	3.071-4	2.317-4	1.352-4
71	110	3.568-3	3.147-3	2.005-3	1.590-3	1.233-3	7.150-4	3.400-4	2.590-4	1.985-4	1.185-4
71	111	2.740-3	2.237-3	1.362-3	1.071-3	8.250-4	4.724-4	2.211-4	1.676-4	1.279-4	7.605-5
71	112	3.507-3	2.759-3	1.591-3	1.233-3	9.421-4	5.387-4	2.586-4	1.991-4	1.547-4	9.529-5
71	113	3.491-3	3.114-3	2.197-3	1.793-3	1.423-3	8.536-4	4.203-4	3.242-4	2.514-4	1.528-4
71	114	1.021-3	7.227-4	3.917-4	3.023-4	2.318-4	1.367-4	7.139-5	5.727-5	4.655-5	3.154-5
71	115	7.240-4	5.093-4	2.782-4	2.164-4	1.677-4	1.017-4	5.515-5	4.464-5	3.645-5	2.465-5
71	116	8.856-2	9.620-2	1.107-1	1.164-1	1.217-1	1.315-1	1.453-1	1.517-1	1.587-1	1.666-1
71	117	7.330-2	7.872-2	8.965-2	9.395-2	9.802-2	1.056-1	1.165-1	1.216-1	1.271-1	1.333-1
71	118	9.385-3	1.011-2	1.148-2	1.201-2	1.252-2	1.346-2	1.479-2	1.541-2	1.611-2	1.688-2
71	119	2.598-3	2.273-3	1.731-3	1.556-3	1.407-3	1.183-3	9.729-4	9.018-4	8.287-4	6.645-4
71	120	1.494-3	1.272-3	7.861-4	6.204-4	4.812-4	2.829-4	1.406-4	1.094-4	8.576-5	5.332-5
71	121	3.015-3	2.955-3	2.910-3	2.910-3	2.918-3	2.955-3	3.061-3	3.125-3	3.198-3	3.231-3
71	122	4.461-3	4.397-3	4.504-3	4.569-3	4.639-3	4.798-3	5.102-3	5.263-3	5.448-3	5.615-3
71	123	5.204-2	5.178-2	5.426-2	5.540-2	5.655-2	5.900-2	6.347-2	6.580-2	6.843-2	7.116-2
71	124	7.606-2	7.655-2	7.738-2	7.785-2	7.846-2	8.033-2	8.508-2	8.788-2	9.115-2	9.441-2
71	125	6.279-5	6.257-5	6.177-5	6.124-5	6.055-5	5.848-5	5.402-5	5.188-5	4.949-5	4.321-5
72	73	1.390-3	1.071-3	7.183-4	5.901-4	4.721-4	2.844-4	1.353-4	1.017-4	7.627-5	4.271-5
72	74	7.458-3	5.727-3	4.367-3	3.987-3	3.645-3	3.046-3	2.355-3	2.120-3	1.901-3	1.497-3
72	75	7.088-3	5.638-3	4.566-3	4.242-3	3.937-3	3.364-3	2.652-3	2.400-3	2.162-3	1.717-3
72	76	1.797-1	1.329-1	1.044-1	9.526-2	8.529-2	6.407-2	4.025-2	3.361-2	2.815-2	2.001-2
72	77	2.147-2	2.222-2	2.254-2	2.218-2	2.150-2	1.947-2	1.654-2	1.560-2	1.477-2	1.314-2
72	78	2.175-2	2.266-2	2.307-2	2.266-2	2.189-2	1.967-2	1.653-2	1.553-2	1.465-2	1.294-2
72	79	1.735-2	1.591-2	1.524-2	1.594-2	1.740-2	2.239-2	3.114-2	3.443-2	3.752-2	4.110-2
72	80	1.432-2	1.388-2	1.041-2	8.728-3	7.133-3	4.551-3	2.429-3	1.921-3	1.521-3	9.498-4
72	81	9.243-3	8.958-3	6.256-3	5.144-3	4.156-3	2.664-3	1.533-3	1.278-3	1.082-3	7.956-4
72	82	6.364-4	5.563-4	3.705-4	3.029-4	2.434-4	1.535-4	8.415-5	6.797-5	5.517-5	3.624-5
72	83	2.524-3	2.150-3	1.436-3	1.182-3	9.578-4	6.145-4	3.424-4	2.773-4	2.252-4	1.475-4
72	84	3.344-3	2.492-3	1.603-3	1.339-3	1.120-3	8.069-4	5.805-4	5.306-4	4.922-4	4.274-4
72	85	4.610-2	3.695-2	2.400-2	1.960-2	1.570-2	9.656-3	4.922-3	3.863-3	3.067-3	1.998-3
72	86	2.682-3	2.490-3	1.750-3	1.436-3	1.149-3	7.002-4	3.501-4	2.708-4	2.103-4	1.278-4
72	87	1.064-2	1.041-2	7.684-3	6.436-3	5.278-3	3.443-3	1.987-3	1.653-3	1.397-3	1.026-3
72	88	5.803-4	4.976-4	3.404-4	2.797-4	2.237-4	1.341-4	6.282-5	4.684-5	3.487-5	1.929-5
72	89	2.329-2	2.774-2	2.474-2	2.164-2	1.835-2	1.276-2	8.483-3	7.688-3	7.215-3	6.697-3
72	90	2.363-3	1.989-3	1.491-3	1.356-3	1.260-3	1.172-3	1.204-3	1.248-3	1.308-3	1.398-3
72	91	1.521-4	1.251-4	8.319-5	6.822-5	5.460-5	3.300-5	1.590-5	1.211-5	9.303-6	5.674-6
72	92	1.986-2	1.901-2	1.752-2	1.717-2	1.706-2	1.750-2	1.905-2	1.988-2	2.083-2	2.208-2
72	93	8.124-4	6.078-4	3.775-4	3.064-4	2.446-4	1.504-4	7.699-5	6.030-5	4.758-5	3.017-5
72	94	7.120-3	6.096-3	4.599-3	3.902-3	3.199-3	1.979-3	9.523-4	7.198-4	5.469-4	3.242-4
72	95	3.181-2	3.274-2	3.624-2	3.892-2	4.237-2	5.048-2	6.188-2	6.650-2	7.140-2	7.830-2
72	96	5.647-3	6.034-3	5.270-3	4.817-3	4.394-3	3.768-3	3.425-3	3.418-3	3.460-3	3.506-3
72	97	2.305-3	2.298-3	1.840-3	1.566-3	1.284-3	7.983-4	3.923-4	2.994-4	2.291-4	1.349-4
72	98	6.407-2	6.336-2	6.298-2	6.381-2	6.541-2	7.030-2	7.923-2	8.339-2	8.799-2	9.394-2
72	99	4.572-3	3.857-3	2.613-3	2.163-3	1.762-3	1.148-3	6.745-4	5.676-4	4.856-4	3.650-4
72	100	1.180-3	9.280-4	6.216-4	5.186-4	4.271-4	2.857-4	1.752-4	1.502-4	1.312-4	1.032-4
72	101	7.047-4	5.084-4	3.365-4	2.825-4	2.337-4	1.560-4	9.316-5	7.877-5	6.783-5	5.206-5
72	102	5.823-2	6.121-2	6.480-2	6.776-2	7.157-2	8.042-2	9.331-2	9.880-2	1.047-1	1.124-1
72	103	2.185-2	2.266-2	2.322-2	2.394-2	2.496-2	2.751-2	3.145-2	3.319-2	3.508-2	3.755-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
72	104	7.590-4	8.814-4	7.661-4	6.587-4	5.432-4	3.389-4	1.655-4	1.254-4	9.489-5	5.418-5
72	105	1.649-3	1.783-3	1.507-3	1.313-3	1.112-3	7.643-4	4.631-4	3.877-4	3.257-4	2.276-4
72	106	3.416-3	2.893-3	1.961-3	1.595-3	1.263-3	7.500-4	3.589-4	2.736-4	2.104-4	1.277-4
72	107	4.942-3	3.854-3	2.587-3	2.120-3	1.692-3	1.017-3	4.905-4	3.748-4	2.890-4	1.773-4
72	108	8.866-3	7.635-3	5.276-3	4.325-3	3.450-3	2.080-3	1.022-3	7.887-4	6.153-4	3.865-4
72	109	1.261-2	1.090-2	7.000-3	5.579-3	4.351-3	2.553-3	1.246-3	9.635-4	7.528-4	4.709-4
72	110	4.933-2	3.760-2	2.215-2	1.739-2	1.344-2	7.844-3	3.874-3	3.024-3	2.390-3	1.538-3
72	111	6.805-4	6.050-4	4.065-4	3.279-4	2.576-4	1.507-4	7.033-5	5.270-5	3.951-5	2.218-5
72	112	3.944-3	3.265-3	2.007-3	1.586-3	1.231-3	7.233-4	3.602-4	2.817-4	2.227-4	1.425-4
72	113	2.121-3	1.622-3	9.958-4	7.940-4	6.226-4	3.733-4	1.894-4	1.483-4	1.171-4	7.397-5
72	114	8.547-2	9.027-2	1.026-1	1.079-1	1.129-1	1.223-1	1.353-1	1.412-1	1.477-1	1.550-1
72	115	2.396-1	2.529-1	2.867-1	3.012-1	3.152-1	3.412-1	3.778-1	3.944-1	4.126-1	4.327-1
72	116	7.911-4	6.221-4	3.749-4	2.993-4	2.374-4	1.505-4	8.796-5	7.371-5	6.243-5	4.512-5
72	117	1.019-3	8.643-4	6.126-4	5.322-4	4.652-4	3.692-4	2.956-4	2.773-4	2.617-4	2.292-4
72	118	3.876-4	3.130-4	1.912-4	1.520-4	1.192-4	7.246-5	3.823-5	3.044-5	2.435-5	1.560-5
72	119	1.066-2	1.119-2	1.213-2	1.252-2	1.290-2	1.366-2	1.488-2	1.548-2	1.616-2	1.692-2
72	120	1.036-2	9.531-3	6.329-3	5.083-3	3.999-3	2.409-3	1.247-3	9.924-4	7.993-4	5.310-4
72	121	5.333-4	3.731-4	2.057-4	1.612-4	1.260-4	7.807-5	4.346-5	3.533-5	2.877-5	1.886-5
72	122	2.177-3	1.680-3	1.056-3	8.844-4	7.484-4	5.610-4	4.158-4	3.756-4	3.384-4	2.643-4
72	123	5.062-2	4.897-2	4.974-2	5.046-2	5.128-2	5.319-2	5.685-2	5.886-2	6.118-2	6.365-2
72	124	1.927-4	1.661-4	1.482-4	1.437-4	1.395-4	1.305-4	1.140-4	1.060-4	9.717-5	7.676-5
72	125	2.613-1	2.625-1	2.659-1	2.679-1	2.704-1	2.772-1	2.937-1	3.034-1	3.150-1	3.270-1
73	74	7.159-3	6.795-3	6.519-3	6.763-3	7.341-3	9.322-3	1.361-2	1.611-2	1.898-2	2.360-2
73	75	3.308-3	3.175-3	2.792-3	2.750-3	2.898-3	3.946-3	6.260-3	6.955-3	7.442-3	7.669-3
73	76	1.487-3	1.393-3	1.073-3	9.539-4	8.734-4	8.785-4	1.125-3	1.212-3	1.273-3	1.289-3
73	77	4.163-3	3.782-3	2.733-3	2.361-3	2.087-3	1.888-3	2.125-3	2.252-3	2.365-3	2.445-3
73	78	4.898-3	4.229-3	3.092-3	2.715-3	2.427-3	2.153-3	2.232-3	2.311-3	2.390-3	2.436-3
73	79	6.081-2	6.021-2	5.873-2	5.791-2	5.691-2	5.409-2	4.811-2	4.532-2	4.242-2	3.602-2
73	80	1.464-2	1.340-2	1.202-2	1.220-2	1.297-2	1.604-2	2.169-2	2.385-2	2.590-2	2.830-2
73	81	2.363-3	2.045-3	1.298-3	1.034-3	8.104-4	4.948-4	2.809-4	2.399-4	2.131-4	1.832-4
73	82	2.366-3	2.258-3	2.194-3	2.314-3	2.542-3	3.239-3	4.405-3	4.916-3	5.490-3	6.498-3
73	83	3.210-3	2.957-3	2.710-3	2.787-3	2.988-3	3.662-3	4.820-3	5.327-3	5.892-3	6.858-3
73	84	4.101-3	3.524-3	2.410-3	2.039-3	1.736-3	1.335-3	1.096-3	1.063-3	1.053-3	1.046-3
73	85	1.662-3	1.375-3	8.340-4	6.552-4	5.057-4	2.932-4	1.409-4	1.076-4	8.246-5	4.840-5
73	86	5.610-3	5.467-3	5.787-3	6.263-3	6.966-3	8.794-3	1.150-2	1.259-2	1.376-2	1.560-2
73	87	5.375-3	5.314-3	5.416-3	5.702-3	6.160-3	7.415-3	9.370-3	1.019-2	1.107-2	1.241-2
73	88	1.099-2	1.047-2	9.951-3	9.779-3	9.605-3	9.194-3	8.337-3	7.879-3	7.335-3	5.969-3
73	89	4.121-4	3.590-4	2.407-4	1.979-4	1.606-4	1.049-4	6.252-5	5.273-5	4.499-5	3.315-5
73	90	1.349-2	1.326-2	1.287-2	1.270-2	1.252-2	1.206-2	1.105-2	1.051-2	9.858-3	8.193-3
73	91	5.125-3	5.055-3	4.921-3	4.860-3	4.790-3	4.606-3	4.186-3	3.956-3	3.682-3	2.994-3
73	92	1.720-3	1.554-3	1.364-3	1.313-3	1.272-3	1.209-3	1.137-3	1.109-3	1.077-3	9.806-4
73	93	2.094-3	2.113-3	2.349-3	2.556-3	2.828-3	3.472-3	4.366-3	4.721-3	5.097-3	5.644-3
73	94	8.777-4	7.806-4	6.378-4	5.901-4	5.482-4	4.813-4	4.127-4	3.882-4	3.627-4	3.031-4
73	95	1.225-2	1.205-2	1.179-2	1.171-2	1.164-2	1.145-2	1.101-2	1.078-2	1.049-2	9.525-3
73	96	1.786-3	1.657-3	1.483-3	1.429-3	1.380-3	1.289-3	1.147-3	1.081-3	1.006-3	8.247-4
73	97	2.181-3	2.048-3	1.913-3	1.881-3	1.858-3	1.827-3	1.790-3	1.775-3	1.756-3	1.656-3
73	98	3.951-4	2.974-4	2.032-4	1.793-4	1.601-4	1.312-4	1.015-4	9.099-5	8.050-5	5.963-5
73	99	6.205-3	6.065-3	5.921-3	5.873-3	5.823-3	5.699-3	5.421-3	5.271-3	5.090-3	4.538-3
73	100	6.233-3	6.180-3	6.102-3	6.069-3	6.029-3	5.914-3	5.635-3	5.483-3	5.300-3	4.739-3
73	101	3.550-3	3.532-3	3.508-3	3.498-3	3.487-3	3.451-3	3.349-3	3.290-3	3.217-3	2.952-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
73	102	2.866-3	2.862-3	2.843-3	2.831-3	2.815-3	2.762-3	2.617-3	2.535-3	2.437-3	2.150-3
73	103	3.118-3	3.106-3	3.066-3	3.041-3	3.008-3	2.908-3	2.668-3	2.539-3	2.386-3	1.995-3
73	104	6.401-4	6.421-4	6.171-4	6.048-4	5.932-4	5.723-4	5.459-4	5.352-4	5.232-4	4.811-4
73	105	1.430-3	1.433-3	1.428-3	1.427-3	1.425-3	1.414-3	1.379-3	1.360-3	1.337-3	1.243-3
73	106	1.263-4	1.269-4	9.827-5	8.441-5	7.169-5	5.219-5	3.764-5	3.457-5	3.239-5	2.892-5
73	107	1.813-4	1.640-4	1.214-4	1.046-4	8.963-5	6.670-5	4.835-5	4.377-5	3.990-5	3.284-5
73	108	3.192-4	3.147-4	2.630-4	2.437-4	2.284-4	2.104-4	2.084-4	2.129-4	2.194-4	2.272-4
73	109	4.117-4	3.716-4	3.414-4	3.447-4	3.538-4	3.817-4	4.308-4	4.535-4	4.784-4	5.099-4
73	110	7.139-5	6.070-5	3.824-5	3.042-5	2.378-5	1.422-5	7.285-6	5.749-6	4.568-6	2.905-6
73	111	3.974-4	3.488-4	3.277-4	3.361-4	3.500-4	3.849-4	4.387-4	4.626-4	4.887-4	5.222-4
73	112	5.260-5	4.454-5	3.553-5	3.336-5	3.182-5	3.024-5	3.044-5	3.110-5	3.198-5	3.282-5
73	113	2.832-4	2.884-4	3.016-4	3.066-4	3.117-4	3.236-4	3.477-4	3.609-4	3.763-4	3.938-4
73	114	2.997-5	2.478-5	1.877-5	1.717-5	1.589-5	1.405-5	1.230-5	1.169-5	1.105-5	9.467-6
73	115	1.917-5	1.454-5	9.981-6	8.813-6	7.886-6	6.541-6	5.253-6	4.803-6	4.343-6	3.364-6
73	116	2.516-4	2.455-4	2.370-4	2.334-4	2.295-4	2.196-4	1.979-4	1.862-4	1.724-4	1.385-4
73	117	3.027-4	2.905-4	2.771-4	2.725-4	2.677-4	2.565-4	2.326-4	2.197-4	2.044-4	1.660-4
73	118	7.656-5	7.547-5	7.351-5	7.259-5	7.152-5	6.865-5	6.215-5	5.861-5	5.441-5	4.398-5
73	119	3.877-4	3.837-4	3.744-4	3.698-4	3.645-4	3.507-4	3.199-4	3.032-4	2.834-4	2.333-4
73	120	2.354-4	2.550-4	2.779-4	2.857-4	2.931-4	3.083-4	3.344-4	3.479-4	3.632-4	3.805-4
73	121	5.971-5	5.924-5	5.724-5	5.629-5	5.523-5	5.266-5	4.729-5	4.446-5	4.114-5	3.303-5
73	122	3.983-5	3.872-5	3.718-5	3.665-5	3.613-5	3.500-5	3.278-5	3.163-5	3.025-5	2.637-5
73	123	5.843-5	5.794-5	5.640-5	5.571-5	5.492-5	5.289-5	4.820-5	4.557-5	4.240-5	3.436-5
73	124	2.876-4	2.867-4	2.835-4	2.813-4	2.781-4	2.679-4	2.413-4	2.264-4	2.085-4	1.651-4
73	125	9.481-6	9.456-6	9.362-6	9.296-6	9.204-6	8.915-6	8.250-6	7.915-6	7.538-6	6.549-6
74	75	4.154-2	3.435-2	2.569-2	2.230-2	1.897-2	1.320-2	8.048-3	6.766-3	5.736-3	4.161-3
74	76	1.158-2	9.353-3	7.785-3	7.290-3	6.798-3	5.856-3	4.781-3	4.435-3	4.114-3	3.469-3
74	77	2.665-2	2.393-2	1.877-2	1.675-2	1.484-2	1.154-2	8.297-3	7.325-3	6.444-3	4.866-3
74	78	2.012-2	1.875-2	1.614-2	1.500-2	1.385-2	1.178-2	9.830-3	9.339-3	8.964-3	8.272-3
74	79	1.151-3	9.817-4	6.861-4	5.717-4	4.686-4	3.093-4	1.840-4	1.547-4	1.318-4	9.768-5
74	80	8.509-3	7.761-3	6.259-3	5.672-3	5.120-3	4.188-3	3.276-3	2.993-3	2.723-3	2.178-3
74	81	2.222-2	2.153-2	2.030-2	2.002-2	1.990-2	1.997-2	2.014-2	2.019-2	2.024-2	1.972-2
74	82	7.795-3	6.629-3	4.285-3	3.515-3	2.869-3	1.926-3	1.175-3	9.814-4	8.164-4	5.489-4
74	83	1.074-2	1.003-2	8.429-3	7.902-3	7.468-3	6.852-3	6.325-3	6.172-3	6.034-3	5.628-3
74	84	1.364-2	1.165-2	8.288-3	7.220-3	6.340-3	5.106-3	4.200-3	3.985-3	3.806-3	3.423-3
74	85	1.122-3	8.661-4	5.499-4	4.543-4	3.745-4	2.580-4	1.652-4	1.415-4	1.216-4	8.900-5
74	86	4.275-3	3.943-3	3.251-3	2.998-3	2.771-3	2.411-3	2.087-3	1.995-3	1.913-3	1.723-3
74	87	2.534-3	2.291-3	1.889-3	1.727-3	1.576-3	1.331-3	1.126-3	1.076-3	1.035-3	9.434-4
74	88	6.186-2	6.459-2	7.735-2	8.662-2	9.844-2	1.261-1	1.644-1	1.795-1	1.954-1	2.193-1
74	89	3.335-3	3.128-3	2.423-3	2.054-3	1.683-3	1.051-3	5.288-4	4.115-4	3.243-4	2.103-4
74	90	2.050-3	1.874-3	1.578-3	1.456-3	1.335-3	1.111-3	8.365-4	7.366-4	6.383-4	4.518-4
74	91	7.368-2	7.772-2	9.294-2	1.036-1	1.170-1	1.482-1	1.913-1	2.083-1	2.263-1	2.531-1
74	92	2.951-3	2.853-3	2.720-3	2.675-3	2.634-3	2.563-3	2.490-3	2.475-3	2.466-3	2.383-3
74	93	1.000-3	9.973-4	8.944-4	8.144-4	7.249-4	5.536-4	3.776-4	3.251-4	2.778-4	1.952-4
74	94	2.988-3	2.909-3	2.401-3	2.137-3	1.884-3	1.494-3	1.246-3	1.220-3	1.222-3	1.234-3
74	95	8.910-4	7.571-4	5.391-4	4.599-4	3.881-4	2.756-4	1.881-4	1.692-4	1.556-4	1.351-4
74	96	2.553-3	2.510-3	2.343-3	2.258-3	2.167-3	1.982-3	1.723-3	1.624-3	1.524-3	1.304-3
74	97	2.476-3	2.504-3	2.475-3	2.481-3	2.506-3	2.592-3	2.732-3	2.794-3	2.865-3	2.919-3
74	98	1.319-4	1.008-4	6.186-5	4.962-5	3.915-5	2.362-5	1.179-5	9.080-6	6.990-6	4.110-6
74	99	1.159-3	1.004-3	7.984-4	7.205-4	6.471-4	5.231-4	4.024-4	3.658-4	3.320-4	2.667-4
74	100	2.482-2	2.694-2	3.075-2	3.320-2	3.618-2	4.281-2	5.195-2	5.563-2	5.951-2	6.480-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
74	101	9.180-3	9.644-3	1.053-2	1.114-2	1.190-2	1.363-2	1.608-2	1.711-2	1.820-2	1.965-2
74	102	4.260-4	4.360-4	3.633-4	3.232-4	2.839-4	2.191-4	1.676-4	1.567-4	1.490-4	1.359-4
74	103	9.734-4	9.583-4	8.604-4	8.099-4	7.579-4	6.581-4	5.346-4	4.898-4	4.458-4	3.570-4
74	104	5.333-4	5.814-4	5.064-4	4.668-4	4.314-4	3.821-4	3.592-4	3.612-4	3.675-4	3.737-4
74	105	7.183-4	7.090-4	6.475-4	6.187-4	5.911-4	5.407-4	4.792-4	4.571-4	4.359-4	3.872-4
74	106	1.596-2	1.581-2	1.195-2	1.016-2	8.526-3	6.001-3	3.995-3	3.497-3	3.078-3	2.355-3
74	107	1.915-3	1.537-3	1.095-3	9.618-4	8.523-4	7.047-4	6.303-4	6.300-4	6.407-4	6.564-4
74	108	3.925-3	3.345-3	2.284-3	1.922-3	1.613-3	1.161-3	8.127-4	7.265-4	6.537-4	5.237-4
74	109	1.231-3	1.011-3	6.336-4	5.063-4	3.979-4	2.407-4	1.265-4	1.016-4	8.270-5	5.637-5
74	110	8.032-4	6.901-4	4.292-4	3.390-4	2.626-4	1.529-4	7.423-5	5.727-5	4.462-5	2.785-5
74	111	3.509-3	2.977-3	1.874-3	1.485-3	1.152-3	6.690-4	3.214-4	2.467-4	1.908-4	1.157-4
74	112	9.014-4	6.946-4	3.941-4	3.059-4	2.350-4	1.378-4	7.062-5	5.614-5	4.516-5	2.975-5
74	113	6.672-3	5.779-3	4.080-3	3.400-3	2.790-3	1.860-3	1.135-3	9.603-4	8.175-4	5.871-4
74	114	1.579-4	1.132-4	6.158-5	4.736-5	3.604-5	2.061-5	9.871-6	7.534-6	5.760-6	3.359-6
74	115	1.794-4	1.238-4	6.581-5	5.073-5	3.895-5	2.308-5	1.184-5	9.283-6	7.275-6	4.412-6
74	116	1.793-2	1.938-2	2.219-2	2.328-2	2.432-2	2.623-2	2.897-2	3.022-2	3.160-2	3.313-2
74	117	7.543-4	6.524-4	5.026-4	4.581-4	4.214-4	3.663-4	3.122-4	2.929-4	2.724-4	2.245-4
74	118	1.197-2	1.303-2	1.499-2	1.575-2	1.647-2	1.778-2	1.965-2	2.051-2	2.146-2	2.254-2
74	119	4.484-4	3.537-4	2.206-4	1.802-4	1.471-4	1.011-4	6.946-5	6.320-5	5.890-5	5.250-5
74	120	6.250-4	5.686-4	3.716-4	2.992-4	2.375-4	1.488-4	8.517-5	7.139-5	6.097-5	4.588-5
74	121	1.331-2	1.420-2	1.562-2	1.615-2	1.666-2	1.765-2	1.922-2	1.999-2	2.087-2	2.184-2
74	122	7.738-3	7.903-3	8.441-3	8.666-3	8.887-3	9.342-3	1.014-2	1.054-2	1.100-2	1.150-2
74	123	2.022-4	1.464-4	9.620-5	8.381-5	7.414-5	6.057-5	4.871-5	4.496-5	4.129-5	3.350-5
74	124	2.537-2	2.554-2	2.579-2	2.594-2	2.613-2	2.674-2	2.833-2	2.926-2	3.034-2	3.141-2
74	125	5.688-5	5.661-5	5.570-5	5.508-5	5.423-5	5.163-5	4.566-5	4.265-5	3.927-5	3.149-5
75	76	1.023-2	8.207-3	6.735-3	6.247-3	5.757-3	4.815-3	3.730-3	3.377-3	3.051-3	2.438-3
75	77	2.775-2	2.472-2	1.900-2	1.677-2	1.468-2	1.120-2	8.175-3	7.432-3	6.862-3	5.990-3
75	78	2.178-2	2.119-2	1.856-2	1.718-2	1.572-2	1.295-2	1.001-2	9.123-3	8.346-3	6.962-3
75	79	1.287-3	1.070-3	7.273-4	5.985-4	4.828-4	3.049-4	1.663-4	1.343-4	1.096-4	7.421-5
75	80	8.469-3	7.797-3	6.835-3	6.471-3	6.124-3	5.516-3	4.875-3	4.664-3	4.459-3	3.962-3
75	81	2.004-2	1.952-2	1.856-2	1.835-2	1.829-2	1.840-2	1.860-2	1.865-2	1.870-2	1.826-2
75	82	6.705-3	5.645-3	3.708-3	3.062-3	2.511-3	1.694-3	1.032-3	8.604-4	7.143-4	4.781-4
75	83	1.099-2	1.020-2	8.486-3	7.900-3	7.403-3	6.664-3	6.018-3	5.832-3	5.665-3	5.230-3
75	84	1.146-2	9.953-3	6.717-3	5.592-3	4.636-3	3.251-3	2.219-3	1.978-3	1.785-3	1.457-3
75	85	9.690-4	7.734-4	5.000-4	4.126-4	3.385-4	2.284-4	1.409-4	1.192-4	1.013-4	7.325-5
75	86	4.671-3	4.355-3	3.549-3	3.237-3	2.953-3	2.501-3	2.105-3	1.997-3	1.903-3	1.701-3
75	87	3.103-3	2.862-3	2.458-3	2.296-3	2.145-3	1.902-3	1.697-3	1.647-3	1.605-3	1.493-3
75	88	1.006-1	1.053-1	1.256-1	1.401-1	1.587-1	2.023-1	2.633-1	2.876-1	3.133-1	3.524-1
75	89	2.452-3	2.243-3	1.694-3	1.425-3	1.158-3	7.084-4	3.379-4	2.535-4	1.898-4	1.059-4
75	90	1.877-3	1.803-3	1.541-3	1.414-3	1.287-3	1.049-3	7.731-4	6.768-4	5.839-4	4.110-4
75	91	4.022-2	4.254-2	5.125-2	5.735-2	6.507-2	8.299-2	1.076-1	1.173-1	1.275-1	1.429-1
75	92	2.602-3	2.505-3	2.375-3	2.331-3	2.291-3	2.219-3	2.142-3	2.123-3	2.109-3	2.025-3
75	93	1.826-3	1.651-3	1.209-3	1.034-3	8.729-4	6.150-4	3.912-4	3.310-4	2.793-4	1.936-4
75	94	3.997-3	3.903-3	3.247-3	2.916-3	2.606-3	2.137-3	1.863-3	1.847-3	1.866-3	1.903-3
75	95	8.568-4	7.476-4	5.381-4	4.582-4	3.854-4	2.715-4	1.860-4	1.692-4	1.583-4	1.433-4
75	96	2.489-3	2.443-3	2.235-3	2.130-3	2.023-3	1.818-3	1.566-3	1.476-3	1.390-3	1.203-3
75	97	1.793-3	1.783-3	1.592-3	1.496-3	1.401-3	1.230-3	1.038-3	9.738-4	9.134-4	7.879-4
75	98	2.084-4	1.687-4	1.122-4	9.305-5	7.628-5	5.061-5	2.957-5	2.422-5	1.978-5	1.285-5
75	99	1.329-3	1.121-3	8.540-4	7.533-4	6.590-4	5.018-4	3.547-4	3.120-4	2.734-4	2.036-4
75	100	3.000-3	2.932-3	2.793-3	2.749-3	2.721-3	2.714-3	2.811-3	2.881-3	2.965-3	3.037-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
75	101	1.704-2	1.832-2	2.061-2	2.214-2	2.399-2	2.812-2	3.382-2	3.614-2	3.860-2	4.193-2
75	102	5.057-4	5.043-4	4.220-4	3.801-4	3.398-4	2.753-4	2.294-4	2.221-4	2.188-4	2.119-4
75	103	1.040-3	1.012-3	8.869-4	8.260-4	7.653-4	6.543-4	5.294-4	4.872-4	4.469-4	3.660-4
75	104	5.231-3	5.801-3	6.284-3	6.627-3	7.064-3	8.072-3	9.518-3	1.012-2	1.077-2	1.164-2
75	105	2.260-3	2.365-3	2.459-3	2.543-3	2.655-3	2.920-3	3.314-3	3.484-3	3.667-3	3.895-3
75	106	1.860-2	1.705-2	1.238-2	1.046-2	8.735-3	6.094-3	4.014-3	3.503-3	3.077-3	2.349-3
75	107	3.283-3	2.922-3	2.311-3	2.154-3	2.047-3	1.957-3	2.021-3	2.090-3	2.178-3	2.295-3
75	108	2.586-3	2.366-3	1.719-3	1.459-3	1.227-3	8.765-4	6.070-4	5.437-4	4.928-4	4.059-4
75	109	1.507-3	1.224-3	7.703-4	6.207-4	4.943-4	3.118-4	1.784-4	1.486-4	1.255-4	9.128-5
75	110	1.056-3	8.815-4	5.483-4	4.344-4	3.380-4	1.991-4	9.871-5	7.685-5	6.041-5	3.823-5
75	111	4.862-3	4.002-3	2.450-3	1.927-3	1.486-3	8.527-4	4.029-4	3.070-4	2.355-4	1.406-4
75	112	1.361-3	1.018-3	5.655-4	4.390-4	3.387-4	2.035-4	1.116-4	9.218-5	7.761-5	5.696-5
75	113	6.814-3	5.880-3	4.112-3	3.409-3	2.781-3	1.824-3	1.084-3	9.094-4	7.678-4	5.444-4
75	114	2.239-4	1.597-4	8.626-5	6.640-5	5.073-5	2.958-5	1.504-5	1.192-5	9.579-6	6.366-6
75	115	1.468-4	1.035-4	5.550-5	4.277-5	3.277-5	1.922-5	9.606-6	7.435-6	5.752-6	3.414-6
75	116	2.080-2	2.259-2	2.607-2	2.743-2	2.871-2	3.108-2	3.445-2	3.598-2	3.767-2	3.958-2
75	117	1.048-3	9.154-4	7.213-4	6.644-4	6.175-4	5.455-4	4.679-4	4.376-4	4.046-4	3.267-4
75	118	2.121-2	2.321-2	2.691-2	2.833-2	2.967-2	3.213-2	3.560-2	3.719-2	3.895-2	4.098-2
75	119	4.848-4	3.765-4	2.322-4	1.891-4	1.539-4	1.050-4	7.066-5	6.338-5	5.802-5	4.964-5
75	120	7.222-4	6.793-4	4.641-4	3.790-4	3.050-4	1.967-4	1.184-4	1.015-4	8.882-5	7.001-5
75	121	2.221-2	2.374-2	2.619-2	2.711-2	2.799-2	2.968-2	3.235-2	3.367-2	3.516-2	3.683-2
75	122	4.112-3	4.178-3	4.413-3	4.513-3	4.613-3	4.823-3	5.200-3	5.395-3	5.617-3	5.852-3
75	123	2.571-4	2.000-4	1.485-4	1.357-4	1.255-4	1.104-4	9.460-5	8.858-5	8.213-5	6.700-5
75	124	2.550-2	2.566-2	2.591-2	2.606-2	2.625-2	2.686-2	2.845-2	2.938-2	3.046-2	3.152-2
75	125	6.450-5	6.431-5	6.362-5	6.314-5	6.248-5	6.042-5	5.557-5	5.310-5	5.030-5	4.308-5
76	77	3.731-2	3.612-2	3.495-2	3.387-2	3.221-2	2.794-2	2.300-2	2.185-2	2.119-2	2.063-2
76	78	4.050-2	3.823-2	3.665-2	3.540-2	3.358-2	2.899-2	2.365-2	2.231-2	2.139-2	2.007-2
76	79	9.378-3	8.874-3	8.723-3	9.141-3	1.003-2	1.332-2	1.941-2	2.154-2	2.339-2	2.524-2
76	80	1.857-2	1.677-2	1.230-2	1.033-2	8.436-3	5.306-3	2.708-3	2.102-3	1.639-3	1.007-3
76	81	5.329-3	5.311-3	3.945-3	3.292-3	2.670-3	1.661-3	8.525-4	6.709-4	5.350-4	3.534-4
76	82	1.153-3	1.072-3	7.352-4	5.961-4	4.711-4	2.811-4	1.380-4	1.066-4	8.316-5	5.197-5
76	83	3.638-3	3.129-3	2.099-3	1.721-3	1.389-3	8.843-4	5.012-4	4.163-4	3.524-4	2.631-4
76	84	4.380-3	3.428-3	2.138-3	1.702-3	1.326-3	7.712-4	3.624-4	2.734-4	2.070-4	1.196-4
76	85	1.642-2	1.275-2	8.574-3	7.154-3	5.847-3	3.703-3	1.900-3	1.477-3	1.151-3	7.077-4
76	86	7.445-3	6.926-3	4.871-3	4.030-3	3.270-3	2.105-3	1.215-3	1.018-3	8.696-4	6.572-4
76	87	1.563-2	1.459-2	1.012-2	8.294-3	6.631-3	4.041-3	2.026-3	1.576-3	1.238-3	7.833-4
76	88	2.016-3	1.590-3	1.070-3	8.981-4	7.483-4	5.254-4	3.709-4	3.443-4	3.299-4	3.152-4
76	89	2.153-2	1.816-2	1.346-2	1.146-2	9.551-3	6.449-3	4.099-3	3.643-3	3.355-3	3.020-3
76	90	3.234-3	2.797-3	2.185-3	2.011-3	1.885-3	1.770-3	1.822-3	1.890-3	1.979-3	2.115-3
76	91	6.645-4	5.434-4	3.669-4	3.031-4	2.446-4	1.516-4	7.781-5	6.138-5	4.915-5	3.294-5
76	92	7.481-3	6.255-3	4.636-3	4.054-3	3.531-3	2.736-3	2.184-3	2.093-3	2.048-3	1.980-3
76	93	1.665-3	1.483-3	1.076-3	9.117-4	7.615-4	5.262-4	3.448-4	3.054-4	2.764-4	2.327-4
76	94	2.105-2	2.278-2	2.250-2	2.173-2	2.099-2	2.022-2	2.099-2	2.183-2	2.294-2	2.469-2
76	95	1.917-2	1.946-2	2.084-2	2.207-2	2.376-2	2.792-2	3.411-2	3.669-2	3.947-2	4.349-2
76	96	5.968-3	5.985-3	5.426-3	5.184-3	4.989-3	4.777-3	4.811-3	4.902-3	5.026-3	5.142-3
76	97	8.367-3	8.535-3	8.201-3	8.051-3	7.981-3	8.116-3	8.797-3	9.204-3	9.686-3	1.037-2
76	98	8.106-3	6.928-3	4.966-3	4.180-3	3.440-3	2.231-3	1.236-3	9.997-4	8.137-4	5.404-4
76	99	2.676-2	2.784-2	3.002-2	3.173-2	3.394-2	3.914-2	4.668-2	4.983-2	5.320-2	5.783-2
76	100	5.352-3	5.283-3	5.333-3	5.503-3	5.760-3	6.427-3	7.465-3	7.916-3	8.408-3	9.076-3
76	101	1.049-3	7.779-4	5.082-4	4.200-4	3.409-4	2.169-4	1.178-4	9.467-5	7.654-5	5.021-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
76	102	4.628-2	4.899-2	5.186-2	5.386-2	5.639-2	6.233-2	7.137-2	7.532-2	7.959-2	8.506-2
76	103	5.537-2	5.969-2	6.541-2	6.932-2	7.410-2	8.479-2	9.986-2	1.061-1	1.129-1	1.217-1
76	104	1.619-3	1.788-3	1.535-3	1.328-3	1.105-3	7.116-4	3.757-4	2.974-4	2.371-4	1.526-4
76	105	7.805-3	8.166-3	8.198-3	8.305-3	8.501-3	9.092-3	1.019-2	1.072-2	1.132-2	1.211-2
76	106	4.534-3	4.031-3	2.805-3	2.285-3	1.805-3	1.056-3	4.821-4	3.569-4	2.642-4	1.449-4
76	107	4.740-3	3.897-3	2.703-3	2.225-3	1.778-3	1.065-3	5.049-4	3.807-4	2.879-4	1.662-4
76	108	9.514-3	8.898-3	6.241-3	5.085-3	4.024-3	2.376-3	1.121-3	8.475-4	6.443-4	3.798-4
76	109	1.679-2	1.472-2	9.584-3	7.655-3	5.964-3	3.457-3	1.618-3	1.223-3	9.297-4	5.473-4
76	110	1.118-2	9.558-3	6.179-3	4.954-3	3.885-3	2.293-3	1.109-3	8.488-4	6.523-4	3.883-4
76	111	2.929-3	2.486-3	1.604-3	1.282-3	1.000-3	5.841-4	2.792-4	2.135-4	1.647-4	1.003-4
76	112	8.021-3	6.696-3	4.094-3	3.223-3	2.494-3	1.459-3	7.288-4	5.733-4	4.577-4	3.018-4
76	113	2.130-3	1.760-3	1.154-3	9.278-4	7.276-4	4.274-4	2.043-4	1.557-4	1.194-4	7.164-5
76	114	1.044-1	1.102-1	1.255-1	1.321-1	1.386-1	1.506-1	1.677-1	1.753-1	1.837-1	1.933-1
76	115	1.037-2	8.618-3	5.962-3	5.091-3	4.356-3	3.283-3	2.420-3	2.183-3	1.965-3	1.536-3
76	116	5.035-3	4.822-3	4.780-3	4.832-3	4.907-3	5.104-3	5.498-3	5.710-3	5.954-3	6.231-3
76	117	3.194-2	3.435-2	3.917-2	4.109-2	4.291-2	4.631-2	5.116-2	5.342-2	5.591-2	5.876-2
76	118	1.436-3	1.113-3	6.691-4	5.412-4	4.385-4	2.967-4	1.927-4	1.672-4	1.456-4	1.083-4
76	119	5.862-3	5.531-3	5.301-3	5.288-3	5.304-3	5.415-3	5.748-3	5.941-3	6.166-3	6.395-3
76	120	7.351-3	6.980-3	4.690-3	3.762-3	2.949-3	1.751-3	8.707-4	6.771-4	5.302-4	3.288-4
76	121	1.444-3	1.123-3	7.214-4	6.067-4	5.144-4	3.853-4	2.842-4	2.563-4	2.305-4	1.797-4
76	122	7.062-2	7.155-2	7.558-2	7.741-2	7.925-2	8.305-2	8.960-2	9.302-2	9.695-2	1.013-1
76	123	8.729-2	8.572-2	8.881-2	9.052-2	9.231-2	9.625-2	1.036-1	1.075-1	1.119-1	1.166-1
76	124	9.568-3	9.387-3	9.362-3	9.403-3	9.470-3	9.687-3	1.025-2	1.059-2	1.099-2	1.141-2
76	125	2.159-1	2.168-1	2.188-1	2.201-1	2.219-1	2.272-1	2.407-1	2.487-1	2.581-1	2.676-1
77	78	8.140-2	7.354-2	5.716-2	5.003-2	4.309-2	3.119-2	2.068-2	1.806-2	1.595-2	1.259-2
77	79	6.448-3	5.742-3	5.204-3	5.365-3	5.916-3	8.374-3	1.316-2	1.466-2	1.580-2	1.661-2
77	80	3.668-2	3.236-2	2.477-2	2.205-2	1.964-2	1.582-2	1.223-2	1.110-2	1.001-2	7.801-3
77	81	3.243-2	3.038-2	2.654-2	2.539-2	2.454-2	2.351-2	2.274-2	2.254-2	2.239-2	2.158-2
77	82	1.609-2	1.517-2	1.334-2	1.277-2	1.234-2	1.184-2	1.155-2	1.150-2	1.148-2	1.116-2
77	83	2.363-2	2.118-2	1.719-2	1.594-2	1.492-2	1.348-2	1.232-2	1.201-2	1.174-2	1.099-2
77	84	1.905-2	1.551-2	1.056-2	9.009-3	7.714-3	5.861-3	4.462-3	4.122-3	3.841-3	3.311-3
77	85	1.099-2	9.820-3	8.518-3	8.161-3	7.886-3	7.523-3	7.232-3	7.152-3	7.083-3	6.759-3
77	86	1.489-2	1.400-2	1.230-2	1.174-2	1.128-2	1.065-2	1.017-2	1.006-2	9.976-3	9.537-3
77	87	7.395-3	6.790-3	5.631-3	5.216-3	4.847-3	4.252-3	3.659-3	3.465-3	3.278-3	2.854-3
77	88	6.900-2	7.173-2	8.540-2	9.546-2	1.084-1	1.387-1	1.811-1	1.981-1	2.162-1	2.443-1
77	89	8.747-3	7.221-3	5.083-3	4.223-3	3.415-3	2.116-3	1.103-3	8.857-4	7.297-4	5.325-4
77	90	1.771-1	1.870-1	2.255-1	2.527-1	2.873-1	3.682-1	4.812-1	5.263-1	5.742-1	6.478-1
77	91	1.599-2	1.674-2	1.978-2	2.197-2	2.474-2	3.121-2	4.017-2	4.374-2	4.756-2	5.337-2
77	92	6.143-3	5.799-3	5.311-3	5.116-3	4.919-3	4.526-3	3.987-3	3.781-3	3.577-3	3.115-3
77	93	7.344-3	6.445-3	4.637-3	3.993-3	3.425-3	2.557-3	1.864-3	1.696-3	1.560-3	1.321-3
77	94	6.742-3	7.569-3	7.261-3	6.645-3	5.935-3	4.665-3	3.736-3	3.609-3	3.580-3	3.585-3
77	95	2.522-3	2.193-3	1.680-3	1.490-3	1.314-3	1.025-3	7.563-4	6.794-4	6.114-4	4.880-4
77	96	5.031-3	4.923-3	4.546-3	4.365-3	4.187-3	3.866-3	3.505-3	3.387-3	3.277-3	2.997-3
77	97	7.325-3	7.571-3	8.068-3	8.436-3	8.929-3	1.013-2	1.189-2	1.262-2	1.341-2	1.449-2
77	98	1.934-3	1.763-3	1.479-3	1.368-3	1.262-3	1.087-3	9.396-4	9.068-4	8.834-4	8.294-4
77	99	1.529-2	1.622-2	1.807-2	1.934-2	2.092-2	2.452-2	2.956-2	3.161-2	3.379-2	3.678-2
77	100	2.389-2	2.602-2	2.993-2	3.246-2	3.555-2	4.242-2	5.178-2	5.555-2	5.953-2	6.504-2
77	101	2.987-3	3.151-3	3.478-3	3.726-3	4.039-3	4.743-3	5.691-3	6.070-3	6.470-3	7.012-3
77	102	1.768-3	1.819-3	1.610-3	1.478-3	1.341-3	1.089-3	8.193-4	7.327-4	6.520-4	5.010-4
77	103	5.606-3	6.013-3	6.356-3	6.605-3	6.931-3	7.685-3	8.749-3	9.190-3	9.662-3	1.024-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
77	104	2.419-2	2.625-2	2.913-2	3.110-2	3.349-2	3.876-2	4.604-2	4.904-2	5.223-2	5.652-2
77	105	1.221-2	1.271-2	1.315-2	1.352-2	1.400-2	1.519-2	1.705-2	1.787-2	1.877-2	1.987-2
77	106	1.874-2	1.766-2	1.298-2	1.094-2	9.091-3	6.255-3	4.083-3	3.589-3	3.201-3	2.580-3
77	107	5.122-3	4.876-3	4.184-3	3.896-3	3.640-3	3.287-3	3.170-3	3.221-3	3.311-3	3.429-3
77	108	9.406-3	9.269-3	7.787-3	7.130-3	6.523-3	5.530-3	4.546-3	4.213-3	3.873-3	3.121-3
77	109	3.139-3	2.860-3	1.998-3	1.628-3	1.289-3	7.654-4	3.694-4	2.833-4	2.193-4	1.352-4
77	110	1.922-3	1.762-3	1.207-3	9.820-4	7.796-4	4.711-4	2.361-4	1.834-4	1.433-4	8.855-5
77	111	6.094-3	4.996-3	3.141-3	2.505-3	1.962-3	1.173-3	6.022-4	4.786-4	3.856-4	2.574-4
77	112	6.195-3	5.158-3	3.082-3	2.402-3	1.840-3	1.053-3	5.045-4	3.881-4	3.016-4	1.862-4
77	113	3.683-3	3.129-3	2.388-3	2.153-3	1.952-3	1.646-3	1.353-3	1.254-3	1.153-3	9.290-4
77	114	3.024-3	2.352-3	1.494-3	1.252-3	1.058-3	7.886-4	5.802-4	5.234-4	4.711-4	3.681-4
77	115	1.170-3	8.476-4	4.733-4	3.659-4	2.792-4	1.596-4	7.660-5	5.905-5	4.608-5	2.908-5
77	116	1.394-3	1.157-3	9.152-4	8.601-4	8.218-4	7.844-4	7.955-4	8.149-4	8.407-4	8.671-4
77	117	6.461-3	6.615-3	7.152-3	7.406-3	7.659-3	8.162-3	8.939-3	9.308-3	9.716-3	1.016-2
77	118	2.459-2	2.682-2	3.098-2	3.260-2	3.414-2	3.697-2	4.097-2	4.283-2	4.488-2	4.728-2
77	119	9.890-4	7.041-4	3.999-4	3.205-4	2.581-4	1.722-4	1.056-4	8.818-5	7.334-5	4.923-5
77	120	3.321-3	2.875-3	1.808-3	1.436-3	1.123-3	6.744-4	3.540-4	2.846-4	2.321-4	1.587-4
77	121	1.482-2	1.570-2	1.715-2	1.771-2	1.825-2	1.930-2	2.100-2	2.184-2	2.280-2	2.388-2
77	122	5.664-2	5.778-2	6.161-2	6.323-2	6.483-2	6.812-2	7.378-2	7.668-2	7.995-2	8.355-2
77	123	4.047-2	4.021-2	4.226-2	4.322-2	4.417-2	4.621-2	4.989-2	5.178-2	5.393-2	5.621-2
77	124	3.966-3	3.928-3	3.931-3	3.946-3	3.971-3	4.057-3	4.288-3	4.425-3	4.585-3	4.742-3
77	125	3.639-2	3.652-2	3.682-2	3.701-2	3.728-2	3.816-2	4.047-2	4.182-2	4.338-2	4.494-2
78	79	1.606-2	1.535-2	1.573-2	1.694-2	1.901-2	2.501-2	3.632-2	4.256-2	4.965-2	6.086-2
78	80	3.249-2	2.867-2	2.184-2	1.938-2	1.720-2	1.374-2	1.052-2	9.517-3	8.565-3	6.676-3
78	81	2.710-2	2.518-2	2.166-2	2.062-2	1.983-2	1.890-2	1.829-2	1.816-2	1.809-2	1.759-2
78	82	1.299-2	1.198-2	1.032-2	9.831-3	9.465-3	9.041-3	8.803-3	8.769-3	8.763-3	8.542-3
78	83	2.657-2	2.158-2	1.535-2	1.348-2	1.194-2	9.748-3	8.017-3	7.568-3	7.186-3	6.408-3
78	84	2.128-2	1.766-2	1.142-2	9.387-3	7.685-3	5.259-3	3.496-3	3.098-3	2.788-3	2.288-3
78	85	1.421-2	1.290-2	1.151-2	1.114-2	1.087-2	1.053-2	1.024-2	1.015-2	1.006-2	9.601-3
78	86	2.669-2	2.516-2	2.105-2	1.959-2	1.837-2	1.664-2	1.540-2	1.513-2	1.492-2	1.417-2
78	87	7.924-3	6.847-3	5.189-3	4.617-3	4.109-3	3.298-3	2.542-3	2.316-3	2.109-3	1.714-3
78	88	3.464-2	3.553-2	4.189-2	4.675-2	5.304-2	6.791-2	8.873-2	9.709-2	1.060-1	1.200-1
78	89	1.568-2	1.230-2	8.535-3	7.162-3	5.894-3	3.891-3	2.394-3	2.103-3	1.917-3	1.706-3
78	90	1.845-1	1.948-1	2.348-1	2.631-1	2.992-1	3.837-1	5.023-1	5.499-1	6.007-1	6.796-1
78	91	8.728-3	9.072-3	1.059-2	1.172-2	1.317-2	1.658-2	2.131-2	2.320-2	2.523-2	2.835-2
78	92	5.377-3	4.912-3	4.297-3	4.078-3	3.870-3	3.485-3	3.013-3	2.844-3	2.681-3	2.323-3
78	93	7.409-3	6.518-3	5.233-3	4.769-3	4.351-3	3.699-3	3.159-3	3.024-3	2.910-3	2.649-3
78	94	1.353-2	1.447-2	1.553-2	1.597-2	1.658-2	1.835-2	2.154-2	2.304-2	2.472-2	2.730-2
78	95	3.047-3	2.587-3	1.948-3	1.718-3	1.506-3	1.157-3	8.280-4	7.311-4	6.434-4	4.847-4
78	96	6.273-3	6.199-3	6.077-3	6.108-3	6.204-3	6.527-3	7.095-3	7.356-3	7.649-3	7.996-3
78	97	1.129-2	1.182-2	1.313-2	1.403-2	1.518-2	1.788-2	2.175-2	2.334-2	2.504-2	2.747-2
78	98	2.025-3	1.783-3	1.447-3	1.324-3	1.210-3	1.021-3	8.548-4	8.129-4	7.791-4	7.086-4
78	99	5.657-3	5.305-3	4.882-3	4.773-3	4.703-3	4.672-3	4.808-3	4.911-3	5.038-3	5.141-3
78	100	2.517-3	2.427-3	2.281-3	2.257-3	2.257-3	2.313-3	2.449-3	2.518-3	2.598-3	2.675-3
78	101	2.091-2	2.287-2	2.638-2	2.866-2	3.142-2	3.749-2	4.571-2	4.902-2	5.253-2	5.741-2
78	102	2.067-3	2.059-3	1.794-3	1.646-3	1.495-3	1.221-3	9.325-4	8.416-4	7.574-4	5.985-4
78	103	2.861-2	3.118-2	3.467-2	3.711-2	4.010-2	4.675-2	5.600-2	5.978-2	6.380-2	6.922-2
78	104	4.409-3	4.662-3	4.759-3	4.825-3	4.926-3	5.215-3	5.759-3	6.026-3	6.325-3	6.700-3
78	105	5.188-2	5.610-2	6.193-2	6.606-2	7.111-2	8.228-2	9.781-2	1.042-1	1.110-1	1.201-1
78	106	2.167-2	1.984-2	1.427-2	1.192-2	9.801-3	6.552-3	4.075-3	3.516-3	3.083-3	2.415-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
78	107	5.487-3	4.963-3	3.833-3	3.333-3	2.860-3	2.112-3	1.576-3	1.484-3	1.434-3	1.367-3
78	108	1.096-2	1.079-2	8.623-3	7.691-3	6.845-3	5.514-3	4.332-3	3.978-3	3.638-3	2.929-3
78	109	6.227-3	5.681-3	3.787-3	3.050-3	2.402-3	1.438-3	7.263-4	5.707-4	4.535-4	2.929-4
78	110	2.419-3	2.168-3	1.462-3	1.187-3	9.426-4	5.729-4	2.925-4	2.294-4	1.812-4	1.145-4
78	111	6.671-3	5.426-3	3.373-3	2.675-3	2.081-3	1.219-3	6.005-4	4.680-4	3.694-4	2.374-4
78	112	6.561-3	5.379-3	3.190-3	2.493-3	1.921-3	1.126-3	5.729-4	4.554-4	3.676-4	2.474-4
78	113	5.896-3	4.818-3	3.327-3	2.838-3	2.422-3	1.804-3	1.303-3	1.167-3	1.044-3	8.100-4
78	114	2.888-3	2.253-3	1.459-3	1.235-3	1.057-3	8.074-4	6.101-4	5.544-4	5.020-4	3.954-4
78	115	1.338-3	9.395-4	5.118-4	3.936-4	2.990-4	1.692-4	7.924-5	5.997-5	4.557-5	2.649-5
78	116	5.884-3	6.049-3	6.566-3	6.807-3	7.049-3	7.529-3	8.271-3	8.626-3	9.022-3	9.473-3
78	117	2.095-2	2.239-2	2.550-2	2.676-2	2.797-2	3.024-2	3.353-2	3.504-2	3.670-2	3.861-2
78	118	9.608-3	1.023-2	1.147-2	1.198-2	1.246-2	1.338-2	1.474-2	1.538-2	1.609-2	1.689-2
78	119	1.193-3	8.800-4	5.507-4	4.627-4	3.925-4	2.935-4	2.113-4	1.874-4	1.653-4	1.236-4
78	120	5.393-3	4.618-3	2.932-3	2.336-3	1.829-3	1.100-3	5.782-4	4.654-4	3.804-4	2.619-4
78	121	3.633-2	3.888-2	4.298-2	4.451-2	4.598-2	4.881-2	5.328-2	5.550-2	5.800-2	6.086-2
78	122	5.635-2	5.750-2	6.135-2	6.297-2	6.458-2	6.787-2	7.355-2	7.645-2	7.974-2	8.336-2
78	123	2.248-2	2.226-2	2.325-2	2.373-2	2.422-2	2.526-2	2.719-2	2.819-2	2.932-2	3.049-2
78	124	1.233-2	1.234-2	1.242-2	1.249-2	1.258-2	1.287-2	1.362-2	1.407-2	1.459-2	1.510-2
78	125	4.169-2	4.184-2	4.219-2	4.241-2	4.272-2	4.373-2	4.641-2	4.796-2	4.977-2	5.158-2
79	80	9.086-3	8.113-3	6.543-3	6.301-3	6.469-3	8.114-3	1.180-2	1.305-2	1.406-2	1.488-2
79	81	1.038-2	9.844-3	7.054-3	6.048-3	5.271-3	4.444-3	4.380-3	4.501-3	4.646-3	4.755-3
79	82	2.145-3	1.922-3	1.284-3	1.044-3	8.348-4	5.291-4	3.071-4	2.593-4	2.238-4	1.735-4
79	83	6.043-3	5.311-3	3.582-3	2.971-3	2.460-3	1.760-3	1.340-3	1.288-3	1.278-3	1.299-3
79	84	6.603-3	5.930-3	5.021-3	4.921-3	5.019-3	5.684-3	7.140-3	7.859-3	8.708-3	1.027-2
79	85	4.153-2	4.038-2	4.220-2	4.580-2	5.137-2	6.667-2	9.136-2	1.023-1	1.146-1	1.366-1
79	86	4.744-3	4.102-3	2.865-3	2.474-3	2.171-3	1.811-3	1.678-3	1.699-3	1.753-3	1.861-3
79	87	8.145-3	7.896-3	7.222-3	7.277-3	7.593-3	8.791-3	1.094-2	1.191-2	1.299-2	1.476-2
79	88	2.589-3	2.198-3	1.719-3	1.583-3	1.470-3	1.292-3	1.096-3	1.024-3	9.508-4	7.907-4
79	89	1.266-3	1.141-3	7.794-4	6.364-4	5.089-4	3.153-4	1.674-4	1.337-4	1.076-4	7.016-5
79	90	3.717-3	3.109-3	2.359-3	2.140-3	1.953-3	1.646-3	1.294-3	1.164-3	1.034-3	7.765-4
79	91	1.060-3	8.663-4	6.402-4	5.797-4	5.311-4	4.598-4	3.920-4	3.702-4	3.496-4	3.047-4
79	92	2.787-2	2.679-2	2.550-2	2.504-2	2.456-2	2.342-2	2.106-2	1.983-2	1.839-2	1.486-2
79	93	1.746-3	1.357-3	8.163-4	6.595-4	5.328-4	3.548-4	2.161-4	1.801-4	1.493-4	9.946-5
79	94	1.105-3	9.553-4	7.415-4	6.671-4	6.006-4	4.945-4	3.933-4	3.609-4	3.292-4	2.632-4
79	95	5.671-3	5.086-3	4.431-3	4.249-3	4.094-3	3.834-3	3.494-3	3.349-3	3.190-3	2.778-3
79	96	1.464-2	1.417-2	1.351-2	1.328-2	1.305-2	1.251-2	1.138-2	1.078-2	1.007-2	8.282-3
79	97	9.592-3	9.292-3	8.908-3	8.772-3	8.632-3	8.297-3	7.592-3	7.217-3	6.772-3	5.631-3
79	98	2.513-2	2.487-2	2.459-2	2.452-2	2.447-2	2.427-2	2.361-2	2.322-2	2.273-2	2.092-2
79	99	8.474-3	8.240-3	8.011-3	7.954-3	7.904-3	7.796-3	7.551-3	7.424-3	7.272-3	6.711-3
79	100	1.499-3	1.378-3	1.262-3	1.230-3	1.201-3	1.145-3	1.050-3	1.004-3	9.521-4	8.179-4
79	101	2.192-3	2.146-3	2.118-3	2.119-3	2.125-3	2.141-3	2.149-3	2.147-3	2.140-3	2.045-3
79	102	9.225-3	9.183-3	9.077-3	9.014-3	8.932-3	8.693-3	8.128-3	7.823-3	7.460-3	6.465-3
79	103	9.441-3	9.412-3	9.315-3	9.259-3	9.185-3	8.960-3	8.417-3	8.128-3	7.787-3	6.832-3
79	104	1.715-3	1.718-3	1.663-3	1.632-3	1.599-3	1.526-3	1.400-3	1.339-3	1.268-3	1.083-3
79	105	8.153-3	8.156-3	8.114-3	8.087-3	8.051-3	7.928-3	7.593-3	7.405-3	7.177-3	6.454-3
79	106	1.689-4	1.508-4	1.085-4	9.262-5	7.874-5	5.780-5	4.099-5	3.682-5	3.342-5	2.772-5
79	107	1.886-3	1.906-3	1.557-3	1.416-3	1.293-3	1.107-3	9.497-4	9.048-4	8.627-4	7.624-4
79	108	2.945-4	2.715-4	2.318-4	2.249-4	2.227-4	2.284-4	2.486-4	2.597-4	2.725-4	2.892-4
79	109	8.478-4	7.932-4	6.800-4	6.578-4	6.483-4	6.577-4	7.110-4	7.424-4	7.792-4	8.269-4
79	110	1.582-3	1.367-3	1.206-3	1.203-3	1.223-3	1.301-3	1.455-3	1.529-3	1.611-3	1.715-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
79	111	9.948-5	8.704-5	5.649-5	4.535-5	3.574-5	2.160-5	1.102-5	8.603-6	6.725-6	4.085-6
79	112	3.837-4	3.842-4	4.020-4	4.142-4	4.279-4	4.574-4	5.046-4	5.275-4	5.533-4	5.846-4
79	113	9.971-5	7.670-5	4.778-5	3.834-5	3.028-5	1.849-5	9.632-6	7.594-6	5.996-6	3.705-6
79	114	6.091-4	5.951-4	5.724-4	5.633-4	5.535-4	5.290-4	4.757-4	4.472-4	4.137-4	3.317-4
79	115	8.152-4	8.040-4	7.822-4	7.722-4	7.605-4	7.288-4	6.564-4	6.172-4	5.711-4	4.582-4
79	116	5.276-5	4.957-5	4.488-5	4.330-5	4.179-5	3.874-5	3.363-5	3.119-5	2.845-5	2.219-5
79	117	9.507-5	9.050-5	8.399-5	8.174-5	7.953-5	7.475-5	6.624-5	6.222-5	5.775-5	4.727-5
79	118	1.519-4	1.489-4	1.441-4	1.422-4	1.400-4	1.343-4	1.214-4	1.143-4	1.060-4	8.533-5
79	119	9.359-5	8.802-5	8.101-5	7.878-5	7.669-5	7.246-5	6.541-5	6.212-5	5.844-5	4.934-5
79	120	8.432-4	8.840-4	9.438-4	9.690-4	9.947-4	1.048-3	1.139-3	1.186-3	1.239-3	1.301-3
79	121	8.651-5	8.368-5	8.025-5	7.899-5	7.764-5	7.424-5	6.678-5	6.278-5	5.805-5	4.649-5
79	122	1.995-4	1.953-4	1.900-4	1.877-4	1.851-4	1.779-4	1.610-4	1.518-4	1.409-4	1.141-4
79	123	2.873-4	2.844-4	2.792-4	2.766-4	2.733-4	2.635-4	2.395-4	2.262-4	2.103-4	1.706-4
79	124	7.876-5	7.813-5	7.682-5	7.602-5	7.494-5	7.162-5	6.361-5	5.932-5	5.435-5	4.262-5
79	125	4.916-4	4.900-4	4.841-4	4.800-4	4.744-4	4.563-4	4.097-4	3.836-4	3.527-4	2.779-4
80	81	7.925-2	7.904-2	5.550-2	4.541-2	3.653-2	2.351-2	1.424-2	1.236-2	1.107-2	9.519-3
80	82	1.512-2	1.338-2	1.109-2	1.048-2	1.004-2	9.539-3	9.299-3	9.294-3	9.345-3	9.306-3
80	83	1.357-2	1.154-2	8.141-3	7.052-3	6.146-3	4.842-3	3.799-3	3.524-3	3.288-3	2.840-3
80	84	4.788-2	3.986-2	2.736-2	2.318-2	1.966-2	1.460-2	1.089-2	1.006-2	9.429-3	8.355-3
80	85	2.036-1	1.649-1	1.127-1	9.831-2	8.710-2	7.222-2	6.151-2	5.895-2	5.689-2	5.241-2
80	86	4.127-2	3.962-2	3.717-2	3.659-2	3.627-2	3.611-2	3.603-2	3.599-2	3.594-2	3.475-2
80	87	1.007-1	9.757-2	8.446-2	7.982-2	7.603-2	7.080-2	6.657-2	6.540-2	6.435-2	6.060-2
80	88	1.028-2	9.228-3	9.180-3	9.784-3	1.073-2	1.324-2	1.708-2	1.873-2	2.055-2	2.358-2
80	89	9.621-3	8.767-3	7.279-3	6.931-3	6.796-3	7.066-3	8.135-3	8.721-3	9.420-3	1.061-2
80	90	7.560-2	7.830-2	9.322-2	1.046-1	1.192-1	1.539-1	2.031-1	2.233-1	2.454-1	2.815-1
80	91	1.320-3	9.770-4	6.153-4	5.181-4	4.401-4	3.311-4	2.505-4	2.319-4	2.172-4	1.907-4
80	92	9.833-2	1.038-1	1.256-1	1.411-1	1.609-1	2.074-1	2.729-1	2.998-1	3.291-1	3.761-1
80	93	1.657-2	1.630-2	1.610-2	1.614-2	1.623-2	1.648-2	1.666-2	1.667-2	1.666-2	1.604-2
80	94	8.069-3	8.099-3	7.888-3	8.012-3	8.328-3	9.390-3	1.129-2	1.216-2	1.314-2	1.472-2
80	95	4.639-1	5.011-1	6.059-1	6.759-1	7.632-1	9.634-1	1.241-0	1.354-0	1.475-0	1.662-0
80	96	1.026-2	1.054-2	1.191-2	1.301-2	1.443-2	1.771-2	2.224-2	2.406-2	2.602-2	2.900-2
80	97	1.081-2	1.110-2	1.248-2	1.357-2	1.495-2	1.817-2	2.263-2	2.445-2	2.641-2	2.938-2
80	98	1.370-2	1.293-2	1.197-2	1.165-2	1.132-2	1.061-2	9.396-3	8.872-3	8.331-3	7.111-3
80	99	1.122-1	1.243-1	1.476-1	1.625-1	1.806-1	2.208-1	2.747-1	2.964-1	3.194-1	3.529-1
80	100	6.013-2	6.649-2	7.831-2	8.588-2	9.501-2	1.150-1	1.417-1	1.524-1	1.637-1	1.802-1
80	101	1.931-3	1.850-3	1.743-3	1.699-3	1.649-3	1.527-3	1.301-3	1.200-3	1.093-3	8.665-4
80	102	5.647-2	6.150-2	6.854-2	7.350-2	7.958-2	9.295-2	1.110-1	1.183-1	1.262-1	1.368-1
80	103	1.781-2	1.936-2	2.160-2	2.314-2	2.501-2	2.905-2	3.436-2	3.649-2	3.875-2	4.178-2
80	104	2.548-3	2.472-3	2.219-3	2.105-3	1.996-3	1.804-3	1.601-3	1.538-3	1.481-3	1.346-3
80	105	4.823-3	4.943-3	5.067-3	5.166-3	5.288-3	5.544-3	5.849-3	5.976-3	6.118-3	6.204-3
80	106	7.232-3	6.976-3	6.064-3	5.686-3	5.344-3	4.800-3	4.289-3	4.126-3	3.964-3	3.536-3
80	107	2.905-3	2.395-3	1.676-3	1.419-3	1.191-3	8.422-4	5.769-4	5.189-4	4.761-4	4.094-4
80	108	2.049-2	2.021-2	1.850-2	1.779-2	1.713-2	1.599-2	1.457-2	1.398-2	1.331-2	1.154-2
80	109	3.649-3	2.984-3	1.951-3	1.613-3	1.327-3	9.126-4	6.089-4	5.408-4	4.878-4	4.013-4
80	110	1.670-3	1.414-3	1.047-3	9.309-4	8.332-4	6.882-4	5.609-4	5.212-4	4.822-4	3.966-4
80	111	1.285-3	1.048-3	6.705-4	5.535-4	4.571-4	3.211-4	2.228-4	2.006-4	1.831-4	1.533-4
80	112	1.056-3	8.473-4	5.375-4	4.451-4	3.702-4	2.655-4	1.879-4	1.689-4	1.528-4	1.238-4
80	113	9.264-3	7.665-3	5.965-3	5.458-3	5.034-3	4.412-3	3.890-3	3.741-3	3.600-3	3.236-3
80	114	4.651-4	3.691-4	2.722-4	2.489-4	2.318-4	2.116-4	2.049-4	2.068-4	2.105-4	2.126-4
80	115	3.637-4	2.523-4	1.394-4	1.103-4	8.760-5	5.717-5	3.585-5	3.110-5	2.742-5	2.181-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
80	116	2.446-3	2.670-3	3.125-3	3.307-3	3.480-3	3.799-3	4.237-3	4.439-3	4.662-3	4.934-3
80	117	6.097-3	6.625-3	7.676-3	8.089-3	8.482-3	9.207-3	1.023-2	1.071-2	1.123-2	1.184-2
80	118	1.252-4	1.018-4	7.102-5	6.216-5	5.492-5	4.427-5	3.479-5	3.199-5	2.947-5	2.459-5
80	119	4.703-3	4.878-3	5.224-3	5.360-3	5.490-3	5.736-3	6.119-3	6.307-3	6.518-3	6.700-3
80	120	1.227-3	1.086-3	7.247-4	5.980-4	4.909-4	3.368-4	2.228-4	1.960-4	1.742-4	1.374-4
80	121	1.431-4	1.086-4	6.533-5	5.302-5	4.310-5	2.923-5	1.869-5	1.608-5	1.390-5	1.033-5
80	122	5.114-3	5.211-3	5.591-3	5.758-3	5.925-3	6.259-3	6.814-3	7.097-3	7.422-3	7.800-3
80	123	5.780-3	5.717-3	6.045-3	6.202-3	6.360-3	6.688-3	7.258-3	7.551-3	7.885-3	8.263-3
80	124	1.728-2	1.742-2	1.767-2	1.781-2	1.798-2	1.847-2	1.963-2	2.032-2	2.113-2	2.200-2
80	125	7.740-4	7.770-4	7.841-4	7.886-4	7.945-4	8.127-4	8.595-4	8.874-4	9.201-4	9.530-4
81	82	2.740-2	2.584-2	2.357-2	2.294-2	2.246-2	2.177-2	2.080-2	2.033-2	1.980-2	1.806-2
81	83	4.847-2	4.655-2	3.887-2	3.612-2	3.389-2	3.083-2	2.861-2	2.821-2	2.813-2	2.807-2
81	84	1.827-2	1.504-2	1.028-2	8.753-3	7.453-3	5.501-3	3.799-3	3.306-3	2.860-3	2.065-3
81	85	6.195-2	5.341-2	4.223-2	3.905-2	3.648-2	3.281-2	2.945-2	2.833-2	2.722-2	2.437-2
81	86	1.201-2	1.052-2	8.669-3	8.103-3	7.621-3	6.856-3	6.016-3	5.692-3	5.345-3	4.506-3
81	87	1.447-2	1.331-2	1.036-2	9.308-3	8.415-3	7.093-3	5.956-3	5.614-3	5.285-3	4.548-3
81	88	1.833-2	1.738-2	1.827-2	1.951-2	2.125-2	2.555-2	3.190-2	3.465-2	3.777-2	4.303-2
81	89	1.414-2	1.448-2	1.390-2	1.408-2	1.468-2	1.688-2	2.105-2	2.303-2	2.532-2	2.937-2
81	90	4.808-2	4.827-2	5.598-2	6.230-2	7.054-2	9.023-2	1.187-1	1.309-1	1.444-1	1.675-1
81	91	5.407-3	4.866-3	4.422-3	4.317-3	4.236-3	4.121-3	4.036-3	4.028-3	4.033-3	3.929-3
81	92	5.678-1	6.086-1	7.537-1	8.548-1	9.828-1	1.283-0	1.712-0	1.892-0	2.091-0	2.426-0
81	93	2.723-3	2.565-3	2.342-3	2.273-3	2.212-3	2.103-3	1.935-3	1.854-3	1.760-3	1.511-3
81	94	5.144-3	4.434-3	3.310-3	2.904-3	2.558-3	2.080-3	1.822-3	1.810-3	1.837-3	1.895-3
81	95	7.735-2	8.399-2	1.029-1	1.156-1	1.315-1	1.679-1	2.189-1	2.400-1	2.629-1	2.997-1
81	96	9.207-2	1.000-1	1.215-1	1.356-1	1.531-1	1.928-1	2.476-1	2.700-1	2.944-1	3.330-1
81	97	1.078-2	1.119-2	1.239-2	1.324-2	1.429-2	1.668-2	1.987-2	2.117-2	2.259-2	2.471-2
81	98	1.566-3	1.243-3	9.570-4	8.855-4	8.288-4	7.468-4	6.739-4	6.533-4	6.356-4	5.887-4
81	99	2.679-2	2.967-2	3.521-2	3.878-2	4.313-2	5.275-2	6.574-2	7.098-2	7.662-2	8.504-2
81	100	2.443-2	2.732-2	3.262-2	3.601-2	4.010-2	4.911-2	6.124-2	6.615-2	7.144-2	7.933-2
81	101	2.139-4	1.860-4	1.554-4	1.456-4	1.366-4	1.202-4	9.836-5	8.988-5	8.142-5	6.442-5
81	102	5.467-3	5.923-3	6.554-3	7.014-3	7.582-3	8.838-3	1.054-2	1.123-2	1.197-2	1.300-2
81	103	5.079-3	5.021-3	4.880-3	4.816-3	4.737-3	4.493-3	3.925-3	3.651-3	3.359-3	2.730-3
81	104	4.209-4	3.824-4	2.862-4	2.461-4	2.092-4	1.498-4	9.664-5	8.179-5	6.880-5	4.714-5
81	105	1.970-3	1.954-3	1.892-3	1.856-3	1.810-3	1.683-3	1.423-3	1.302-3	1.172-3	8.994-4
81	106	1.829-3	1.572-3	1.240-3	1.144-3	1.065-3	9.540-4	8.651-4	8.412-4	8.194-4	7.562-4
81	107	7.087-4	6.038-4	4.080-4	3.318-4	2.635-4	1.589-4	7.864-5	6.041-5	4.640-5	2.717-5
81	108	2.361-3	1.976-3	1.463-3	1.310-3	1.185-3	1.007-3	8.647-4	8.264-4	7.917-4	7.089-4
81	109	1.231-2	1.123-2	1.002-2	9.663-3	9.356-3	8.833-3	8.133-3	7.821-3	7.465-3	6.495-3
81	110	1.834-2	1.806-2	1.760-2	1.740-2	1.719-2	1.662-2	1.537-2	1.470-2	1.390-2	1.178-2
81	111	5.411-4	5.181-4	4.787-4	4.652-4	4.530-4	4.307-4	3.964-4	3.798-4	3.604-4	3.080-4
81	112	2.877-3	2.805-3	2.572-3	2.481-3	2.398-3	2.246-3	2.027-3	1.926-3	1.811-3	1.516-3
81	113	3.141-4	2.680-4	2.078-4	1.895-4	1.742-4	1.514-4	1.312-4	1.252-4	1.197-4	1.067-4
81	114	1.395-3	1.491-3	1.758-3	1.875-3	1.988-3	2.196-3	2.473-3	2.595-3	2.728-3	2.886-3
81	115	2.205-4	1.951-4	1.642-4	1.551-4	1.471-4	1.327-4	1.126-4	1.046-4	9.652-5	7.920-5
81	116	1.425-4	1.391-4	1.398-4	1.413-4	1.429-4	1.462-4	1.509-4	1.534-4	1.565-4	1.575-4
81	117	8.018-4	8.546-4	9.655-4	1.010-3	1.051-3	1.125-3	1.225-3	1.270-3	1.321-3	1.373-3
81	118	3.165-5	2.677-5	2.050-5	1.866-5	1.712-5	1.461-5	1.182-5	1.082-5	9.837-6	7.873-6
81	119	4.452-4	4.615-4	5.001-4	5.158-4	5.304-4	5.555-4	5.884-4	6.040-4	6.217-4	6.354-4
81	120	3.924-3	3.916-3	3.801-3	3.744-3	3.680-3	3.522-3	3.181-3	2.998-3	2.780-3	2.240-3
81	121	3.548-5	2.649-5	1.841-5	1.642-5	1.484-5	1.251-5	1.027-5	9.560-6	8.909-6	7.587-6

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
81	122	8.949-5	8.346-5	7.881-5	7.775-5	7.690-5	7.558-5	7.437-5	7.421-5	7.419-5	7.184-5
81	123	4.099-3	4.062-3	4.316-3	4.434-3	4.553-3	4.796-3	5.214-3	5.427-3	5.670-3	5.947-3
81	124	1.815-4	1.815-4	1.815-4	1.815-4	1.814-4	1.810-4	1.812-4	1.824-4	1.841-4	1.821-4
81	125	5.903-4	5.924-4	5.976-4	6.008-4	6.049-4	6.175-4	6.500-4	6.694-4	6.923-4	7.136-4
82	83	1.910-2	1.780-2	1.574-2	1.512-2	1.464-2	1.401-2	1.356-2	1.354-2	1.368-2	1.409-2
82	84	1.753-2	1.581-2	1.331-2	1.259-2	1.204-2	1.133-2	1.080-2	1.068-2	1.064-2	1.044-2
82	85	6.963-3	6.649-3	6.015-3	5.771-3	5.535-3	5.068-3	4.343-3	4.014-3	3.650-3	2.834-3
82	86	1.290-2	1.080-2	7.229-3	6.140-3	5.251-3	3.990-3	2.993-3	2.727-3	2.494-3	2.062-3
82	87	4.487-3	3.963-3	3.259-3	3.055-3	2.894-3	2.678-3	2.505-3	2.455-3	2.409-3	2.262-3
82	88	1.193-2	1.197-2	1.392-2	1.561-2	1.784-2	2.329-2	3.144-2	3.499-2	3.903-2	4.620-2
82	89	2.334-3	1.841-3	1.149-3	9.201-4	7.239-4	4.362-4	2.238-4	1.770-4	1.416-4	9.331-5
82	90	3.838-3	3.387-3	2.906-3	2.781-3	2.682-3	2.546-3	2.452-3	2.439-3	2.436-3	2.366-3
82	91	2.939-2	3.085-2	3.776-2	4.285-2	4.938-2	6.489-2	8.761-2	9.737-2	1.083-1	1.275-1
82	92	5.919-3	5.013-3	4.179-3	3.964-3	3.783-3	3.476-3	3.089-3	2.942-3	2.794-3	2.451-3
82	93	9.117-3	7.661-3	5.009-3	4.194-3	3.530-3	2.597-3	1.878-3	1.687-3	1.514-3	1.183-3
82	94	1.595-2	1.646-2	1.902-2	2.109-2	2.381-2	3.038-2	3.999-2	4.407-2	4.859-2	5.619-2
82	95	1.218-3	9.829-4	7.661-4	7.088-4	6.603-4	5.782-4	4.746-4	4.345-4	3.941-4	3.121-4
82	96	2.078-3	1.863-3	1.667-3	1.610-3	1.557-3	1.451-3	1.290-3	1.225-3	1.161-3	1.017-3
82	97	1.943-1	2.137-1	2.641-1	2.971-1	3.378-1	4.306-1	5.605-1	6.141-1	6.726-1	7.666-1
82	98	9.355-4	8.808-4	7.957-4	7.646-4	7.330-4	6.632-4	5.421-4	4.875-4	4.295-4	3.110-4
82	99	1.139-3	1.063-3	9.807-4	9.573-4	9.367-4	9.001-4	8.542-4	8.391-4	8.255-4	7.780-4
82	100	3.914-3	4.255-3	4.897-3	5.326-3	5.851-3	7.011-3	8.562-3	9.186-3	9.855-3	1.084-2
82	101	3.038-3	3.345-3	3.888-3	4.247-3	4.683-3	5.646-3	6.944-3	7.469-3	8.035-3	8.868-3
82	102	8.822-4	8.692-4	8.490-4	8.403-4	8.306-4	8.063-4	7.633-4	7.462-4	7.294-4	6.777-4
82	103	1.303-3	1.283-3	1.250-3	1.235-3	1.218-3	1.170-3	1.076-3	1.036-3	9.943-4	8.901-4
82	104	2.856-2	3.178-2	3.653-2	3.987-2	4.393-2	5.283-2	6.492-2	6.984-2	7.513-2	8.280-2
82	105	8.101-3	8.872-3	9.964-3	1.076-2	1.172-2	1.383-2	1.670-2	1.786-2	1.911-2	2.087-2
82	106	1.212-3	1.156-3	9.212-4	8.278-4	7.466-4	6.281-4	5.403-4	5.204-4	5.044-4	4.648-4
82	107	9.154-3	9.375-3	9.925-3	1.059-2	1.142-2	1.330-2	1.592-2	1.701-2	1.819-2	1.983-2
82	108	8.123-4	7.211-4	5.597-4	5.083-4	4.660-4	4.065-4	3.618-4	3.507-4	3.410-4	3.141-4
82	109	4.719-3	4.665-3	4.576-3	4.541-3	4.503-3	4.407-3	4.202-3	4.096-3	3.969-3	3.572-3
82	110	1.209-4	1.082-4	7.902-5	6.791-5	5.817-5	4.349-5	3.143-5	2.812-5	2.509-5	1.927-5
82	111	3.975-3	3.861-3	3.639-3	3.556-3	3.474-3	3.297-3	2.963-3	2.789-3	2.586-3	2.082-3
82	112	1.024-3	1.003-3	9.654-4	9.507-4	9.350-4	8.961-4	8.117-4	7.659-4	7.115-4	5.753-4
82	113	4.472-4	3.983-4	3.359-4	3.160-4	2.987-4	2.701-4	2.353-4	2.206-4	2.042-4	1.649-4
82	114	2.819-5	2.401-5	2.009-5	1.906-5	1.816-5	1.648-5	1.403-5	1.304-5	1.205-5	9.974-6
82	115	1.148-5	8.085-6	4.834-6	4.006-6	3.351-6	2.420-6	1.617-6	1.381-6	1.167-6	7.949-7
82	116	8.102-4	9.222-4	1.144-3	1.230-3	1.311-3	1.456-3	1.652-3	1.738-3	1.831-3	1.946-3
82	117	4.496-5	4.279-5	4.038-5	3.968-5	3.903-5	3.771-5	3.569-5	3.493-5	3.418-5	3.178-5
82	118	3.043-4	3.495-4	4.346-4	4.671-4	4.975-4	5.517-4	6.230-4	6.546-4	6.893-4	7.321-4
82	119	8.423-5	8.186-5	7.826-5	7.673-5	7.503-5	7.088-5	6.327-5	5.992-5	5.642-5	4.836-5
82	120	1.221-3	1.214-3	1.195-3	1.183-3	1.170-3	1.128-3	1.029-3	9.744-4	9.093-4	7.453-4
82	121	6.811-5	7.411-5	8.367-5	8.719-5	9.045-5	9.636-5	1.047-4	1.087-4	1.131-4	1.178-4
82	122	4.557-5	4.497-5	4.443-5	4.426-5	4.408-5	4.364-5	4.299-5	4.282-5	4.270-5	4.107-5
82	123	4.225-5	4.139-5	4.039-5	3.992-5	3.930-5	3.737-5	3.308-5	3.102-5	2.880-5	2.374-5
82	124	3.397-4	3.418-4	3.450-4	3.467-4	3.489-4	3.556-4	3.735-4	3.842-4	3.969-4	4.085-4
82	125	2.377-5	2.363-5	2.320-5	2.290-5	2.247-5	2.114-5	1.823-5	1.685-5	1.538-5	1.224-5
83	84	2.346-2	2.000-2	1.404-2	1.212-2	1.051-2	8.154-3	6.243-3	5.735-3	5.308-3	4.559-3
83	85	1.783-2	1.640-2	1.429-2	1.356-2	1.288-2	1.166-2	1.002-2	9.334-3	8.593-3	6.921-3
83	86	3.058-2	2.687-2	2.150-2	1.991-2	1.864-2	1.688-2	1.539-2	1.496-2	1.460-2	1.365-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
83	87	2.665-2	2.518-2	2.323-2	2.274-2	2.241-2	2.207-2	2.167-2	2.149-2	2.130-2	2.029-2
83	88	3.843-2	3.911-2	4.617-2	5.193-2	5.953-2	7.809-2	1.064-1	1.191-1	1.337-1	1.604-1
83	89	6.191-3	5.765-3	4.473-3	3.991-3	3.609-3	3.180-3	3.169-3	3.307-3	3.522-3	3.959-3
83	90	1.564-2	1.541-2	1.681-2	1.827-2	2.027-2	2.524-2	3.281-2	3.618-2	4.005-2	4.698-2
83	91	9.951-3	1.009-2	1.175-2	1.313-2	1.495-2	1.934-2	2.590-2	2.878-2	3.209-2	3.801-2
83	92	9.481-3	8.074-3	6.626-3	6.231-3	5.893-3	5.311-3	4.564-3	4.276-3	3.988-3	3.367-3
83	93	9.213-3	7.291-3	4.935-3	4.294-3	3.790-3	3.109-3	2.606-3	2.483-3	2.380-3	2.150-3
83	94	6.820-3	6.110-3	4.725-3	4.277-3	3.941-3	3.603-3	3.692-3	3.858-3	4.095-3	4.528-3
83	95	3.321-3	2.848-3	2.329-3	2.182-3	2.054-3	1.833-3	1.545-3	1.431-3	1.317-3	1.076-3
83	96	3.597-1	3.954-1	4.911-1	5.541-1	6.322-1	8.115-1	1.066-0	1.172-0	1.290-0	1.484-0
83	97	1.395-2	1.473-2	1.715-2	1.887-2	2.105-2	2.609-2	3.323-2	3.621-2	3.951-2	4.488-2
83	98	2.124-3	1.846-3	1.544-3	1.455-3	1.375-3	1.225-3	1.009-3	9.204-4	8.296-4	6.449-4
83	99	5.308-3	5.482-3	5.952-3	6.327-3	6.804-3	7.885-3	9.340-3	9.931-3	1.058-2	1.152-2
83	100	2.167-2	2.418-2	2.882-2	3.184-2	3.552-2	4.373-2	5.497-2	5.957-2	6.455-2	7.217-2
83	101	4.932-3	5.370-3	6.242-3	6.843-3	7.579-3	9.221-3	1.148-2	1.240-2	1.341-2	1.494-2
83	102	2.904-3	2.838-3	2.773-3	2.754-3	2.738-3	2.712-3	2.698-3	2.708-3	2.724-3	2.676-3
83	103	5.970-3	6.214-3	6.576-3	6.855-3	7.202-3	7.975-3	9.043-3	9.491-3	9.980-3	1.061-2
83	104	1.008-2	1.116-2	1.278-2	1.393-2	1.534-2	1.843-2	2.264-2	2.436-2	2.622-2	2.895-2
83	105	9.272-2	1.032-1	1.184-1	1.292-1	1.424-1	1.713-1	2.108-1	2.270-1	2.443-1	2.698-1
83	106	5.430-3	5.331-3	4.408-3	4.002-3	3.630-3	3.030-3	2.453-3	2.266-3	2.083-3	1.696-3
83	107	2.230-3	2.123-3	1.914-3	1.909-3	1.942-3	2.085-3	2.365-3	2.501-3	2.654-3	2.872-3
83	108	4.954-3	4.638-3	4.234-3	4.120-3	4.026-3	3.873-3	3.667-3	3.577-3	3.476-3	3.157-3
83	109	8.688-3	8.439-3	8.104-3	7.975-3	7.838-3	7.504-3	6.798-3	6.421-3	5.976-3	4.863-3
83	110	3.194-3	3.082-3	2.924-3	2.873-3	2.826-3	2.735-3	2.581-3	2.508-3	2.424-3	2.176-3
83	111	9.474-3	8.874-3	7.699-3	7.327-3	7.017-3	6.555-3	6.117-3	5.971-3	5.820-3	5.336-3
83	112	1.864-3	1.813-3	1.734-3	1.708-3	1.683-3	1.629-3	1.532-3	1.482-3	1.424-3	1.254-3
83	113	6.366-4	5.333-4	4.140-4	3.789-4	3.497-4	3.058-4	2.646-4	2.508-4	2.370-4	2.038-4
83	114	2.831-4	2.586-4	2.386-4	2.335-4	2.287-4	2.190-4	2.026-4	1.955-4	1.880-4	1.678-4
83	115	1.702-4	1.523-4	1.349-4	1.296-4	1.245-4	1.142-4	9.767-5	9.060-5	8.327-5	6.760-5
83	116	5.479-4	6.111-4	7.371-4	7.862-4	8.321-4	9.137-4	1.019-3	1.066-3	1.116-3	1.175-3
83	117	6.450-4	7.036-4	8.264-4	8.744-4	9.186-4	9.943-4	1.087-3	1.127-3	1.170-3	1.213-3
83	118	6.706-3	7.625-3	9.328-3	9.977-3	1.059-2	1.168-2	1.317-2	1.383-2	1.456-2	1.547-2
83	119	2.362-4	2.298-4	2.200-4	2.156-4	2.105-4	1.970-4	1.707-4	1.586-4	1.457-4	1.178-4
83	120	2.792-3	2.779-3	2.673-3	2.625-3	2.575-3	2.460-3	2.233-3	2.115-3	1.975-3	1.620-3
83	121	1.753-4	1.820-4	1.928-4	1.970-4	2.009-4	2.085-4	2.213-4	2.280-4	2.358-4	2.430-4
83	122	1.602-4	1.599-4	1.612-4	1.615-4	1.617-4	1.611-4	1.594-4	1.591-4	1.590-4	1.538-4
83	123	1.044-4	1.016-4	9.753-5	9.557-5	9.315-5	8.632-5	7.203-5	6.527-5	5.804-5	4.308-5
83	124	7.469-4	7.524-4	7.619-4	7.674-4	7.745-4	7.957-4	8.488-4	8.797-4	9.158-4	9.556-4
83	125	4.702-4	4.720-4	4.760-4	4.785-4	4.819-4	4.929-4	5.217-4	5.385-4	5.580-4	5.771-4
84	85	7.746-2	7.620-2	7.289-2	7.208-2	7.174-2	7.192-2	7.206-2	7.185-2	7.141-2	6.774-2
84	86	2.730-2	2.372-2	1.642-2	1.390-2	1.176-2	8.611-3	6.112-3	5.477-3	4.949-3	4.057-3
84	87	3.139-2	2.995-2	2.354-2	2.116-2	1.915-2	1.626-2	1.396-2	1.337-2	1.288-2	1.183-2
84	88	3.725-3	3.102-3	2.262-3	2.013-3	1.807-3	1.497-3	1.202-3	1.107-3	1.018-3	8.402-4
84	89	8.339-3	7.430-3	5.128-3	4.343-3	3.720-3	2.956-3	2.644-3	2.643-3	2.672-3	2.670-3
84	90	9.739-3	9.227-3	9.299-3	9.890-3	1.083-2	1.338-2	1.761-2	1.960-2	2.196-2	2.638-2
84	91	2.458-3	2.263-3	2.090-3	2.127-3	2.229-3	2.561-3	3.152-3	3.438-3	3.782-3	4.424-3
84	92	4.997-3	4.269-3	3.410-3	3.158-3	2.937-3	2.546-3	2.019-3	1.807-3	1.590-3	1.159-3
84	93	1.018-2	9.357-3	8.082-3	7.723-3	7.445-3	7.044-3	6.616-3	6.464-3	6.315-3	5.867-3
84	94	4.979-3	4.278-3	2.929-3	2.502-3	2.165-3	1.745-3	1.557-3	1.566-3	1.613-3	1.721-3
84	95	9.891-3	7.971-3	5.914-3	5.377-3	4.942-3	4.275-3	3.565-3	3.317-3	3.076-3	2.575-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
84	96	1.045-2	1.053-2	1.182-2	1.294-2	1.441-2	1.791-2	2.298-2	2.517-2	2.762-2	3.178-2
84	97	2.024-2	2.128-2	2.519-2	2.806-2	3.169-2	4.015-2	5.240-2	5.765-2	6.351-2	7.344-2
84	98	9.771-3	8.646-3	7.770-3	7.575-3	7.430-3	7.246-3	7.167-3	7.193-3	7.243-3	7.132-3
84	99	2.045-1	2.299-1	2.791-1	3.109-1	3.499-1	4.376-1	5.603-1	6.114-1	6.672-1	7.562-1
84	100	1.546-1	1.749-1	2.118-1	2.355-1	2.643-1	3.287-1	4.176-1	4.544-1	4.946-1	5.578-1
84	101	1.195-1	1.354-1	1.629-1	1.807-1	2.023-1	2.499-1	3.154-1	3.424-1	3.719-1	4.177-1
84	102	3.379-3	3.340-3	3.250-3	3.199-3	3.135-3	2.951-3	2.573-3	2.398-3	2.214-3	1.816-3
84	103	3.697-2	4.130-2	4.755-2	5.192-2	5.725-2	6.906-2	8.528-2	9.195-2	9.918-2	1.100-1
84	104	1.047-2	1.122-2	1.237-2	1.326-2	1.437-2	1.682-2	2.021-2	2.161-2	2.314-2	2.539-2
84	105	1.338-2	1.463-2	1.640-2	1.767-2	1.922-2	2.260-2	2.717-2	2.904-2	3.106-2	3.400-2
84	106	1.281-2	1.270-2	1.226-2	1.206-2	1.187-2	1.142-2	1.058-2	1.015-2	9.649-3	8.297-3
84	107	3.362-3	3.318-3	3.018-3	2.986-3	3.007-3	3.158-3	3.500-3	3.674-3	3.875-3	4.155-3
84	108	1.085-2	1.077-2	1.052-2	1.042-2	1.032-2	1.009-2	9.627-3	9.397-3	9.129-3	8.278-3
84	109	2.668-3	2.560-3	2.396-3	2.336-3	2.277-3	2.155-3	1.941-3	1.834-3	1.710-3	1.402-3
84	110	8.571-4	8.147-4	7.572-4	7.407-4	7.272-4	7.056-4	6.765-4	6.632-4	6.475-4	5.926-4
84	111	1.296-3	1.156-3	9.442-4	8.795-4	8.257-4	7.448-4	6.661-4	6.388-4	6.106-4	5.374-4
84	112	7.852-4	7.367-4	6.499-4	6.212-4	5.967-4	5.589-4	5.228-4	5.114-4	5.003-4	4.632-4
84	113	3.869-3	3.806-3	3.715-3	3.679-3	3.641-3	3.551-3	3.369-3	3.276-3	3.168-3	2.837-3
84	114	1.092-4	9.705-5	8.402-5	8.019-5	7.671-5	7.000-5	5.990-5	5.564-5	5.123-5	4.173-5
84	115	5.745-5	4.722-5	3.709-5	3.446-5	3.236-5	2.927-5	2.642-5	2.559-5	2.484-5	2.286-5
84	116	8.120-4	9.144-4	1.115-3	1.193-3	1.267-3	1.399-3	1.577-3	1.656-3	1.742-3	1.847-3
84	117	4.536-4	5.038-4	6.105-4	6.531-4	6.931-4	7.650-4	8.603-4	9.021-4	9.478-4	1.003-3
84	118	5.154-4	5.896-4	7.283-4	7.814-4	8.310-4	9.201-4	1.039-3	1.091-3	1.150-3	1.222-3
84	119	2.590-4	2.517-4	2.387-4	2.327-4	2.258-4	2.077-4	1.721-4	1.555-4	1.379-4	1.016-4
84	120	8.418-4	8.316-4	8.065-4	7.950-4	7.824-4	7.505-4	6.822-4	6.458-4	6.027-4	4.942-4
84	121	2.888-4	3.047-4	3.313-4	3.415-4	3.513-4	3.705-4	4.016-4	4.172-4	4.349-4	4.543-4
84	122	5.330-5	5.207-5	5.163-5	5.152-5	5.132-5	5.051-5	4.867-5	4.794-5	4.724-5	4.459-5
84	123	8.728-4	8.684-4	9.262-4	9.514-4	9.755-4	1.023-3	1.099-3	1.138-3	1.181-3	1.225-3
84	124	7.713-4	7.767-4	7.850-4	7.895-4	7.953-4	8.126-4	8.573-4	8.838-4	9.152-4	9.458-4
84	125	4.441-5	4.423-5	4.364-5	4.323-5	4.267-5	4.095-5	3.739-5	3.581-5	3.419-5	3.025-5
85	86	1.889-2	1.750-2	1.517-2	1.441-2	1.378-2	1.282-2	1.180-2	1.149-2	1.126-2	1.078-2
85	87	5.860-2	5.491-2	4.460-2	4.100-2	3.803-2	3.388-2	3.072-2	2.998-2	2.946-2	2.817-2
85	88	2.277-3	1.662-3	1.009-3	8.367-4	7.014-4	5.187-4	3.930-4	3.667-4	3.477-4	3.142-4
85	89	1.334-2	1.329-2	9.645-3	7.915-3	6.318-3	3.854-3	2.018-3	1.628-3	1.346-3	9.748-4
85	90	1.578-2	1.504-2	1.584-2	1.717-2	1.911-2	2.419-2	3.174-2	3.450-2	3.709-2	3.990-2
85	91	4.886-4	3.600-4	2.233-4	1.877-4	1.598-4	1.225-4	9.720-5	9.204-5	8.839-5	8.145-5
85	92	1.360-2	9.705-3	6.284-3	5.584-3	5.154-3	4.861-3	5.155-3	5.437-3	5.828-3	6.594-3
85	93	4.272-3	3.645-3	2.847-3	2.610-3	2.406-3	2.068-3	1.664-3	1.509-3	1.348-3	1.017-3
85	94	6.251-3	5.383-3	3.734-3	3.065-3	2.449-3	1.482-3	7.251-4	5.537-4	4.233-4	2.471-4
85	95	1.830-1	1.934-1	2.349-1	2.647-1	3.025-1	3.904-1	5.185-1	5.745-1	6.383-1	7.508-1
85	96	6.028-3	4.739-3	3.690-3	3.516-3	3.448-3	3.525-3	3.862-3	4.058-3	4.303-3	4.724-3
85	97	3.648-3	2.923-3	2.163-3	1.935-3	1.738-3	1.419-3	1.079-3	9.619-4	8.487-4	6.329-4
85	98	8.942-1	9.978-1	1.238-0	1.395-0	1.590-0	2.034-0	2.668-0	2.939-0	3.242-0	3.757-0
85	99	4.359-2	4.771-2	5.608-2	6.162-2	6.841-2	8.363-2	1.047-1	1.136-1	1.235-1	1.392-1
85	100	6.854-3	6.719-3	6.570-3	6.524-3	6.483-3	6.409-3	6.344-3	6.348-3	6.369-3	6.221-3
85	101	3.904-3	3.843-3	3.778-3	3.759-3	3.741-3	3.714-3	3.708-3	3.725-3	3.753-3	3.693-3
85	102	6.084-2	6.727-2	7.659-2	8.311-2	9.104-2	1.084-1	1.315-1	1.410-1	1.514-1	1.671-1
85	103	9.958-3	1.042-2	1.107-2	1.158-2	1.220-2	1.352-2	1.512-2	1.577-2	1.648-2	1.740-2
85	104	2.941-3	2.829-3	2.581-3	2.467-3	2.346-3	2.089-3	1.691-3	1.524-3	1.352-3	1.004-3
85	105	3.812-3	3.779-3	3.646-3	3.566-3	3.467-3	3.195-3	2.653-3	2.401-3	2.133-3	1.581-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
85	106	2.120-3	1.611-3	9.996-4	8.219-4	6.764-4	4.720-4	3.253-4	2.924-4	2.664-4	2.224-4
85	107	4.141-3	3.742-3	2.698-3	2.267-3	1.870-3	1.239-3	7.169-4	5.864-4	4.796-4	3.163-4
85	108	4.368-3	3.669-3	2.550-3	2.182-3	1.872-3	1.418-3	1.067-3	9.795-4	9.064-4	7.695-4
85	109	2.399-2	2.225-2	1.906-2	1.806-2	1.723-2	1.599-2	1.481-2	1.441-2	1.400-2	1.273-2
85	110	4.519-2	3.954-2	3.445-2	3.311-2	3.201-2	3.023-2	2.800-2	2.703-2	2.594-2	2.288-2
85	111	2.804-4	2.577-4	2.037-4	1.847-4	1.683-4	1.429-4	1.182-4	1.096-4	1.006-4	8.040-5
85	112	5.306-3	5.116-3	4.747-3	4.621-3	4.512-3	4.341-3	4.160-3	4.094-3	4.021-3	3.734-3
85	113	4.246-4	3.081-4	1.811-4	1.442-4	1.139-4	7.121-5	4.033-5	3.329-5	2.771-5	1.925-5
85	114	1.092-2	1.207-2	1.477-2	1.589-2	1.696-2	1.891-2	2.149-2	2.264-2	2.389-2	2.547-2
85	115	6.237-3	6.672-3	7.848-3	8.356-3	8.846-3	9.749-3	1.099-2	1.154-2	1.215-2	1.289-2
85	116	7.424-5	5.738-5	3.645-5	3.054-5	2.577-5	1.902-5	1.369-5	1.230-5	1.111-5	8.993-6
85	117	1.614-3	1.811-3	2.192-3	2.342-3	2.483-3	2.740-3	3.085-3	3.241-3	3.413-3	3.632-3
85	118	7.012-5	6.276-5	5.108-5	4.715-5	4.361-5	3.734-5	2.934-5	2.622-5	2.307-5	1.688-5
85	119	1.816-3	1.959-3	2.217-3	2.313-3	2.401-3	2.548-3	2.729-3	2.811-3	2.903-3	2.987-3
85	120	1.088-2	1.076-2	9.049-3	8.407-3	7.858-3	7.044-3	6.363-3	6.169-3	5.985-3	5.457-3
85	121	1.035-4	8.782-5	5.779-5	4.854-5	4.103-5	3.055-5	2.292-5	2.119-5	1.985-5	1.742-5
85	122	1.271-4	1.013-4	7.227-5	6.445-5	5.816-5	4.899-5	4.070-5	3.823-5	3.597-5	3.124-5
85	123	5.095-3	4.985-3	5.201-3	5.321-3	5.446-3	5.710-3	6.175-3	6.419-3	6.701-3	7.026-3
85	124	4.623-5	3.826-5	3.281-5	3.141-5	3.011-5	2.737-5	2.273-5	2.068-5	1.852-5	1.406-5
85	125	1.273-2	1.279-2	1.297-2	1.308-2	1.322-2	1.360-2	1.450-2	1.504-2	1.566-2	1.637-2
86	87	5.193-2	4.669-2	3.800-2	3.512-2	3.271-2	2.914-2	2.594-2	2.503-2	2.431-2	2.284-2
86	88	6.433-3	5.860-3	5.527-3	5.734-3	6.179-3	7.663-3	1.015-2	1.099-2	1.171-2	1.232-2
86	89	6.178-3	5.709-3	3.998-3	3.256-3	2.576-3	1.522-3	7.191-4	5.440-4	4.142-4	2.460-4
86	90	1.484-2	1.474-2	1.627-2	1.793-2	2.034-2	2.692-2	3.708-2	4.059-2	4.371-2	4.686-2
86	91	2.780-3	2.331-3	1.884-3	1.831-3	1.851-3	2.060-3	2.501-3	2.660-3	2.800-3	2.908-3
86	92	6.263-3	5.268-3	4.022-3	3.662-3	3.363-3	2.903-3	2.447-3	2.299-3	2.162-3	1.872-3
86	93	2.288-2	2.115-2	1.875-2	1.812-2	1.767-2	1.714-2	1.672-2	1.660-2	1.652-2	1.594-2
86	94	7.246-3	6.644-3	5.306-3	4.877-3	4.587-3	4.431-3	4.839-3	5.083-3	5.339-3	5.598-3
86	95	8.611-3	7.374-3	5.871-3	5.443-3	5.083-3	4.501-3	3.851-3	3.620-3	3.395-3	2.911-3
86	96	1.302-2	1.310-2	1.443-2	1.573-2	1.749-2	2.180-2	2.850-2	3.157-2	3.517-2	4.175-2
86	97	6.308-2	6.937-2	8.682-2	9.871-2	1.136-1	1.486-1	2.011-1	2.247-1	2.521-1	3.018-1
86	98	6.649-3	5.916-3	5.098-3	4.854-3	4.631-3	4.197-3	3.538-3	3.261-3	2.974-3	2.373-3
86	99	9.152-3	8.109-3	7.501-3	7.595-3	7.834-3	8.529-3	9.582-3	1.005-2	1.061-2	1.147-2
86	100	2.732-2	2.997-2	3.540-2	3.915-2	4.378-2	5.424-2	6.906-2	7.540-2	8.247-2	9.422-2
86	101	2.500-2	2.792-2	3.338-2	3.705-2	4.154-2	5.159-2	6.571-2	7.171-2	7.838-2	8.934-2
86	102	4.642-3	4.558-3	4.420-3	4.357-3	4.283-3	4.090-3	3.721-3	3.558-3	3.389-3	2.982-3
86	103	3.986-1	4.518-1	5.296-1	5.840-1	6.506-1	7.992-1	1.008-0	1.096-0	1.192-0	1.346-0
86	104	1.386-2	1.534-2	1.753-2	1.913-2	2.109-2	2.545-2	3.148-2	3.402-2	3.681-2	4.118-2
86	105	7.133-2	8.003-2	9.255-2	1.016-1	1.126-1	1.371-1	1.712-1	1.855-1	2.013-1	2.259-1
86	106	4.097-3	3.406-3	2.212-3	1.795-3	1.436-3	9.085-4	5.158-4	4.269-4	3.574-4	2.540-4
86	107	6.967-3	6.917-3	6.751-3	6.948-3	7.270-3	8.127-3	9.527-3	1.017-2	1.088-2	1.196-2
86	108	3.510-3	3.131-3	2.349-3	2.078-3	1.848-3	1.507-3	1.223-3	1.144-3	1.071-3	9.172-4
86	109	1.141-2	1.096-2	1.016-2	9.919-3	9.717-3	9.395-3	9.022-3	8.879-3	8.723-3	8.120-3
86	110	9.853-3	9.582-3	9.309-3	9.253-3	9.212-3	9.129-3	8.929-3	8.821-3	8.688-3	8.108-3
86	111	1.347-2	1.059-2	7.478-3	6.660-3	6.015-3	5.113-3	4.357-3	4.129-3	3.908-3	3.391-3
86	112	5.423-3	5.047-3	4.459-3	4.270-3	4.104-3	3.814-3	3.403-3	3.211-3	2.989-3	2.436-3
86	113	8.758-4	7.798-4	6.659-4	6.348-4	6.096-4	5.713-4	5.285-4	5.110-4	4.915-4	4.355-4
86	114	2.708-4	2.172-4	1.611-4	1.461-4	1.338-4	1.150-4	9.511-5	8.820-5	8.144-5	6.730-5
86	115	3.094-4	2.709-4	2.336-4	2.243-4	2.171-4	2.076-4	2.017-4	2.013-4	2.016-4	1.963-4
86	116	5.085-3	5.817-3	7.259-3	7.822-3	8.352-3	9.313-3	1.061-2	1.118-2	1.181-2	1.261-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
86	117	2.118-3	2.384-3	2.945-3	3.169-3	3.381-3	3.766-3	4.284-3	4.511-3	4.759-3	5.070-3
86	118	2.154-4	2.208-4	2.341-4	2.398-4	2.451-4	2.531-4	2.601-4	2.631-4	2.668-4	2.657-4
86	119	2.869-4	2.682-4	2.463-4	2.386-4	2.306-4	2.114-4	1.760-4	1.600-4	1.431-4	1.084-4
86	120	4.412-3	4.395-3	4.255-3	4.194-3	4.131-3	3.993-3	3.734-3	3.604-3	3.451-3	3.020-3
86	121	5.563-3	6.150-3	7.098-3	7.448-3	7.777-3	8.396-3	9.321-3	9.764-3	1.026-2	1.087-2
86	122	2.751-3	2.835-3	3.109-3	3.222-3	3.331-3	3.546-3	3.891-3	4.062-3	4.254-3	4.482-3
86	123	2.463-3	2.453-3	2.650-3	2.737-3	2.822-3	2.991-3	3.272-3	3.411-3	3.567-3	3.748-3
86	124	1.213-4	1.216-4	1.224-4	1.228-4	1.235-4	1.255-4	1.310-4	1.344-4	1.384-4	1.417-4
86	125	6.652-4	6.680-4	6.746-4	6.786-4	6.841-4	7.016-4	7.471-4	7.734-4	8.040-4	8.366-4
87	88	5.571-3	5.132-3	4.982-3	5.238-3	5.693-3	6.918-3	9.184-3	1.049-2	1.199-2	1.431-2
87	89	1.849-2	1.785-2	1.435-2	1.325-2	1.276-2	1.393-2	1.812-2	1.945-2	2.040-2	2.066-2
87	90	8.375-3	7.623-3	6.023-3	5.475-3	5.011-3	4.328-3	3.732-3	3.540-3	3.351-3	2.918-3
87	91	1.042-3	8.740-4	5.694-4	4.700-4	3.862-4	2.634-4	1.676-4	1.441-4	1.249-4	9.437-5
87	92	5.924-3	4.811-3	3.134-3	2.625-3	2.204-3	1.594-3	1.085-3	9.424-4	8.151-4	5.934-4
87	93	3.183-2	3.119-2	3.056-2	3.058-2	3.073-2	3.118-2	3.163-2	3.184-2	3.215-2	3.209-2
87	94	1.573-2	1.441-2	1.261-2	1.247-2	1.282-2	1.477-2	1.879-2	2.032-2	2.172-2	2.309-2
87	95	2.282-2	1.948-2	1.518-2	1.406-2	1.323-2	1.223-2	1.161-2	1.146-2	1.132-2	1.071-2
87	96	1.508-2	1.440-2	1.455-2	1.551-2	1.702-2	2.111-2	2.743-2	2.978-2	3.200-2	3.442-2
87	97	7.426-3	6.498-3	5.547-3	5.469-3	5.561-3	6.096-3	7.141-3	7.553-3	7.947-3	8.301-3
87	98	1.690-2	1.500-2	1.220-2	1.135-2	1.061-2	9.361-3	7.834-3	7.262-3	6.695-3	5.517-3
87	99	1.250-1	1.399-1	1.712-1	1.922-1	2.181-1	2.773-1	3.639-1	4.024-1	4.467-1	5.251-1
87	100	2.489-2	2.711-2	3.185-2	3.518-2	3.932-2	4.869-2	6.216-2	6.809-2	7.487-2	8.663-2
87	101	2.154-3	1.798-3	1.485-3	1.395-3	1.312-3	1.152-3	9.100-4	8.089-4	7.049-4	5.009-4
87	102	6.830-1	7.771-1	9.156-1	1.013-0	1.133-0	1.400-0	1.781-0	1.945-0	2.128-0	2.431-0
87	103	8.342-2	9.452-2	1.111-1	1.226-1	1.367-1	1.681-1	2.123-1	2.312-1	2.524-1	2.873-1
87	104	2.674-3	2.547-3	2.283-3	2.180-3	2.088-3	1.949-3	1.867-3	1.865-3	1.877-3	1.856-3
87	105	2.377-2	2.626-2	2.990-2	3.254-2	3.576-2	4.291-2	5.295-2	5.728-2	6.212-2	6.991-2
87	106	3.822-3	3.173-3	2.089-3	1.711-3	1.384-3	8.972-4	5.229-4	4.334-4	3.610-4	2.488-4
87	107	4.455-3	3.903-3	2.641-3	2.168-3	1.751-3	1.127-3	6.699-4	5.745-4	5.061-4	4.125-4
87	108	9.859-3	8.311-3	5.386-3	4.398-3	3.562-3	2.349-3	1.436-3	1.220-3	1.045-3	7.683-4
87	109	3.164-2	2.673-2	2.235-2	2.132-2	2.051-2	1.934-2	1.806-2	1.757-2	1.702-2	1.540-2
87	110	2.451-2	2.287-2	2.133-2	2.092-2	2.057-2	1.992-2	1.883-2	1.832-2	1.773-2	1.594-2
87	111	1.276-2	1.219-2	1.110-2	1.081-2	1.060-2	1.033-2	1.010-2	1.004-2	9.965-3	9.476-3
87	112	4.846-3	4.708-3	4.471-3	4.389-3	4.313-3	4.164-3	3.914-3	3.789-3	3.641-3	3.209-3
87	113	3.116-3	2.418-3	1.676-3	1.464-3	1.291-3	1.051-3	8.869-4	8.545-4	8.319-4	7.782-4
87	114	1.387-3	1.310-3	1.303-3	1.317-3	1.333-3	1.364-3	1.408-3	1.432-3	1.460-3	1.469-3
87	115	1.205-3	1.110-3	1.005-3	9.687-4	9.332-4	8.562-4	7.260-4	6.689-4	6.088-4	4.812-4
87	116	7.064-3	8.134-3	1.020-2	1.100-2	1.175-2	1.311-2	1.490-2	1.569-2	1.657-2	1.770-2
87	117	8.628-3	9.905-3	1.242-2	1.341-2	1.433-2	1.598-2	1.817-2	1.914-2	2.020-2	2.156-2
87	118	2.850-4	2.748-4	2.619-4	2.583-4	2.555-4	2.516-4	2.505-4	2.518-4	2.538-4	2.498-4
87	119	3.604-3	3.902-3	4.494-3	4.720-3	4.927-3	5.291-3	5.772-3	5.990-3	6.234-3	6.495-3
87	120	9.119-3	9.159-3	8.526-3	8.258-3	8.015-3	7.614-3	7.168-3	7.001-3	6.819-3	6.230-3
87	121	2.468-4	2.340-4	2.106-4	2.028-4	1.956-4	1.826-4	1.654-4	1.588-4	1.522-4	1.358-4
87	122	1.977-3	2.008-3	2.132-3	2.187-3	2.240-3	2.346-3	2.518-3	2.607-3	2.710-3	2.822-3
87	123	1.138-3	1.111-3	1.111-3	1.114-3	1.117-3	1.119-3	1.121-3	1.126-3	1.135-3	1.116-3
87	124	5.906-3	5.954-3	6.047-3	6.100-3	6.165-3	6.350-3	6.793-3	7.051-3	7.355-3	7.703-3
87	125	4.940-3	4.963-3	5.018-3	5.052-3	5.098-3	5.239-3	5.595-3	5.802-3	6.043-3	6.309-3
88	89	5.122-3	4.675-3	3.506-3	3.018-3	2.566-3	1.840-3	1.216-3	1.051-3	9.106-4	6.731-4
88	90	3.141-2	3.070-2	2.970-2	2.932-2	2.890-2	2.781-2	2.534-2	2.407-2	2.263-2	1.905-2
88	91	2.422-2	2.402-2	2.387-2	2.387-2	2.390-2	2.386-2	2.326-2	2.287-2	2.237-2	2.056-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
88	92	1.871-2	1.803-2	1.719-2	1.687-2	1.652-2	1.562-2	1.390-2	1.318-2	1.247-2	1.105-2
88	93	4.343-3	4.463-3	5.244-3	5.951-3	6.964-3	9.765-3	1.409-2	1.547-2	1.661-2	1.758-2
88	94	7.631-3	6.661-3	5.027-3	4.417-3	3.869-3	3.008-3	2.279-3	2.087-3	1.926-3	1.631-3
88	95	1.311-2	1.264-2	1.192-2	1.168-2	1.144-2	1.094-2	1.007-2	9.662-3	9.201-3	7.999-3
88	96	2.288-2	2.258-2	2.190-2	2.158-2	2.120-2	2.014-2	1.794-2	1.692-2	1.585-2	1.348-2
88	97	1.183-2	1.170-2	1.139-2	1.126-2	1.112-2	1.076-2	1.002-2	9.693-3	9.356-3	8.495-3
88	98	9.282-4	8.063-4	6.611-4	6.147-4	5.722-4	4.945-4	3.946-4	3.572-4	3.206-4	2.498-4
88	99	7.124-3	6.820-3	6.405-3	6.236-3	6.057-3	5.644-3	4.897-3	4.545-3	4.158-3	3.287-3
88	100	5.828-3	5.738-3	5.550-3	5.466-3	5.378-3	5.187-3	4.846-3	4.680-3	4.489-3	3.955-3
88	101	1.688-3	1.621-3	1.516-3	1.470-3	1.421-3	1.320-3	1.162-3	1.091-3	1.014-3	8.328-4
88	102	2.363-3	2.334-3	2.256-3	2.213-3	2.164-3	2.036-3	1.791-3	1.676-3	1.551-3	1.267-3
88	103	6.154-3	6.143-3	6.013-3	5.935-3	5.837-3	5.560-3	4.982-3	4.717-3	4.439-3	3.803-3
88	104	9.400-4	9.404-4	9.025-4	8.832-4	8.640-4	8.262-4	7.697-4	7.450-4	7.178-4	6.414-4
88	105	6.149-3	6.160-3	6.081-3	6.035-3	5.978-3	5.802-3	5.396-3	5.202-3	4.993-3	4.450-3
88	106	3.454-3	3.512-3	2.924-3	2.688-3	2.501-3	2.291-3	2.296-3	2.371-3	2.483-3	2.676-3
88	107	6.159-4	5.729-4	4.038-4	3.389-4	2.819-4	1.966-4	1.305-4	1.147-4	1.017-4	8.024-5
88	108	8.516-3	8.429-3	8.008-3	8.233-3	8.650-3	9.806-3	1.172-2	1.260-2	1.360-2	1.519-2
88	109	5.089-3	4.468-3	3.982-3	4.052-3	4.221-3	4.718-3	5.558-3	5.945-3	6.383-3	7.054-3
88	110	8.373-4	6.988-4	4.357-4	3.480-4	2.742-4	1.683-4	8.947-5	7.116-5	5.668-5	3.560-5
88	111	3.418-3	2.860-3	2.314-3	2.247-3	2.241-3	2.348-3	2.642-3	2.799-3	2.984-3	3.268-3
88	112	3.437-3	3.733-3	4.666-3	5.096-3	5.519-3	6.306-3	7.341-3	7.787-3	8.274-3	8.934-3
88	113	4.478-4	3.957-4	3.103-4	2.755-4	2.441-4	1.968-4	1.654-4	1.609-4	1.594-4	1.561-4
88	114	5.690-4	4.826-4	3.985-4	3.768-4	3.592-4	3.311-4	2.973-4	2.836-4	2.688-4	2.320-4
88	115	2.882-4	2.003-4	1.272-4	1.097-4	9.597-5	7.585-5	5.605-5	4.930-5	4.274-5	3.033-5
88	116	5.639-3	5.583-3	5.494-3	5.451-3	5.398-3	5.245-3	4.878-3	4.677-3	4.436-3	3.785-3
88	117	5.579-3	5.484-3	5.352-3	5.296-3	5.230-3	5.050-3	4.616-3	4.371-3	4.074-3	3.314-3
88	118	2.201-3	2.182-3	2.155-3	2.144-3	2.130-3	2.090-3	1.996-3	1.945-3	1.884-3	1.691-3
88	119	2.275-3	2.246-3	2.172-3	2.138-3	2.102-3	2.022-3	1.876-3	1.803-3	1.720-3	1.493-3
88	120	5.126-4	5.630-4	5.654-4	5.598-4	5.557-4	5.575-4	5.887-4	6.106-4	6.375-4	6.711-4
88	121	1.696-3	1.698-3	1.689-3	1.683-3	1.675-3	1.653-3	1.597-3	1.566-3	1.529-3	1.396-3
88	122	5.468-4	5.433-4	5.385-4	5.369-4	5.350-4	5.300-4	5.167-4	5.090-4	4.990-4	4.590-4
88	123	1.019-3	1.015-3	1.004-3	9.980-4	9.902-4	9.662-4	9.051-4	8.704-4	8.280-4	7.102-4
88	124	2.146-3	2.141-3	2.120-3	2.106-3	2.085-3	2.020-3	1.848-3	1.749-3	1.631-3	1.329-3
88	125	1.592-4	1.591-4	1.584-4	1.580-4	1.573-4	1.551-4	1.498-4	1.469-4	1.434-4	1.309-4
89	90	3.510-3	3.400-3	2.631-3	2.266-3	1.913-3	1.323-3	8.115-4	6.816-4	5.751-4	4.088-4
89	91	8.927-4	8.255-4	6.229-4	5.352-4	4.517-4	3.130-4	1.898-4	1.571-4	1.296-4	8.613-5
89	92	5.097-3	4.717-3	3.679-3	3.218-3	2.781-3	2.070-3	1.482-3	1.348-3	1.255-3	1.140-3
89	93	2.426-3	2.215-3	1.542-3	1.260-3	1.002-3	6.032-4	2.983-4	2.311-4	1.809-4	1.143-4
89	94	1.519-1	1.319-1	9.172-2	7.616-2	6.217-2	4.064-2	2.361-2	1.952-2	1.621-2	1.111-2
89	95	5.963-3	5.282-3	4.031-3	3.554-3	3.122-3	2.449-3	1.906-3	1.779-3	1.685-3	1.526-3
89	96	2.042-2	1.847-2	1.291-2	1.077-2	8.878-3	6.043-3	3.855-3	3.338-3	2.924-3	2.264-3
89	97	1.117-2	1.067-2	7.658-3	6.343-3	5.140-3	3.274-3	1.828-3	1.500-3	1.248-3	8.876-4
89	98	7.406-3	6.542-3	4.674-3	3.912-3	3.216-3	2.129-3	1.276-3	1.081-3	9.336-4	7.220-4
89	99	1.962-2	1.558-2	9.790-3	8.023-3	6.568-3	4.510-3	3.012-3	2.672-3	2.405-3	1.971-3
89	100	3.437-3	2.983-3	2.080-3	1.767-3	1.495-3	1.084-3	7.432-4	6.535-4	5.769-4	4.458-4
89	101	2.647-3	2.490-3	2.245-3	2.161-3	2.090-3	1.989-3	1.919-3	1.908-3	1.903-3	1.840-3
89	102	8.155-3	6.651-3	4.365-3	3.628-3	3.003-3	2.080-3	1.338-3	1.145-3	9.798-4	7.045-4
89	103	1.339-2	1.093-2	7.277-3	6.150-3	5.216-3	3.876-3	2.847-3	2.593-3	2.380-3	1.989-3
89	104	3.598-3	3.292-3	2.859-3	2.703-3	2.564-3	2.336-3	2.110-3	2.040-3	1.972-3	1.795-3
89	105	1.783-3	1.605-3	1.161-3	9.753-4	8.040-4	5.329-4	3.103-4	2.555-4	2.113-4	1.445-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
89	106	4.262-1	4.519-1	4.936-1	5.355-1	5.889-1	7.101-1	8.839-1	9.595-1	1.044-0	1.183-0
89	107	9.764-3	9.100-3	8.083-3	7.725-3	7.414-3	6.937-3	6.522-3	6.410-3	6.309-3	5.936-3
89	108	5.189-1	5.208-1	5.368-1	5.735-1	6.228-1	7.377-1	9.056-1	9.790-1	1.061-0	1.192-0
89	109	4.579-1	4.101-1	4.018-1	4.261-1	4.595-1	5.369-1	6.492-1	6.980-1	7.522-1	8.355-1
89	110	1.644-0	1.388-0	1.322-0	1.400-0	1.509-0	1.766-0	2.141-0	2.304-0	2.485-0	2.760-0
89	111	1.329-2	1.093-2	7.093-3	5.843-3	4.788-3	3.238-3	1.989-3	1.662-3	1.384-3	9.296-4
89	112	1.047-1	1.176-1	1.524-1	1.677-1	1.825-1	2.094-1	2.436-1	2.582-1	2.742-1	2.960-1
89	113	5.817-4	4.245-4	2.504-4	2.032-4	1.653-4	1.123-4	7.051-5	5.950-5	5.004-5	3.440-5
89	114	4.400-2	4.366-2	4.416-2	4.448-2	4.476-2	4.512-2	4.504-2	4.490-2	4.468-2	4.257-2
89	115	7.822-2	7.858-2	8.057-2	8.144-2	8.223-2	8.337-2	8.402-2	8.410-2	8.404-2	8.067-2
89	116	2.658-2	2.679-2	2.735-2	2.758-2	2.778-2	2.805-2	2.813-2	2.811-2	2.804-2	2.682-2
89	117	5.057-2	5.122-2	5.261-2	5.316-2	5.364-2	5.436-2	5.480-2	5.488-2	5.488-2	5.274-2
89	118	6.519-3	6.466-3	6.454-3	6.458-3	6.457-3	6.421-3	6.279-3	6.201-3	6.108-3	5.705-3
89	119	2.965-2	2.994-2	3.051-2	3.070-2	3.084-2	3.090-2	3.054-2	3.030-2	3.000-2	2.829-2
89	120	9.049-4	8.556-4	7.760-4	7.520-4	7.325-4	7.054-4	6.908-4	6.920-4	6.964-4	6.863-4
89	121	1.235-2	1.247-2	1.267-2	1.275-2	1.282-2	1.291-2	1.293-2	1.292-2	1.288-2	1.231-2
89	122	1.355-2	1.356-2	1.366-2	1.369-2	1.370-2	1.366-2	1.342-2	1.329-2	1.312-2	1.231-2
89	123	8.460-3	8.416-3	8.353-3	8.301-3	8.220-3	7.945-3	7.296-3	6.978-3	6.627-3	5.744-3
89	124	2.577-4	2.544-4	2.481-4	2.443-4	2.394-4	2.245-4	1.920-4	1.762-4	1.591-4	1.223-4
89	125	6.388-4	6.359-4	6.260-4	6.193-4	6.102-4	5.819-4	5.168-4	4.839-4	4.469-4	3.610-4
90	91	1.691-2	1.677-2	1.660-2	1.657-2	1.655-2	1.645-2	1.604-2	1.582-2	1.556-2	1.452-2
90	92	4.013-2	3.929-2	3.814-2	3.770-2	3.720-2	3.577-2	3.249-2	3.086-2	2.907-2	2.475-2
90	93	2.077-3	1.738-3	1.250-3	1.102-3	9.772-4	7.821-4	5.842-4	5.184-4	4.559-4	3.395-4
90	94	3.306-3	3.032-3	2.496-3	2.294-3	2.109-3	1.808-3	1.529-3	1.452-3	1.388-3	1.263-3
90	95	3.129-2	2.998-2	2.806-2	2.732-2	2.656-2	2.484-2	2.171-2	2.022-2	1.856-2	1.477-2
90	96	1.798-2	1.747-2	1.656-2	1.615-2	1.568-2	1.448-2	1.221-2	1.117-2	1.006-2	7.743-3
90	97	8.258-3	7.981-3	7.560-3	7.395-3	7.221-3	6.813-3	6.088-3	5.775-3	5.456-3	4.733-3
90	98	1.134-2	1.089-2	1.034-2	1.013-2	9.903-3	9.342-3	8.253-3	7.763-3	7.254-3	6.141-3
90	99	1.730-2	1.694-2	1.650-2	1.636-2	1.622-2	1.586-2	1.504-2	1.465-2	1.424-2	1.302-2
90	100	6.299-3	6.087-3	5.741-3	5.592-3	5.430-3	5.057-3	4.401-3	4.106-3	3.789-3	3.083-3
90	101	2.268-3	2.179-3	2.048-3	1.993-3	1.937-3	1.818-3	1.633-3	1.557-3	1.481-3	1.302-3
90	102	1.234-2	1.220-2	1.180-2	1.156-2	1.126-2	1.044-2	8.813-3	8.050-3	7.232-3	5.506-3
90	103	8.552-3	8.505-3	8.307-3	8.195-3	8.061-3	7.706-3	7.026-3	6.732-3	6.431-3	5.704-3
90	104	2.697-3	2.683-3	2.644-3	2.630-3	2.615-3	2.570-3	2.456-3	2.402-3	2.343-3	2.159-3
90	105	1.067-2	1.070-2	1.066-2	1.065-2	1.064-2	1.053-2	1.017-2	9.978-3	9.776-3	9.085-3
90	106	3.067-3	2.956-3	2.153-3	1.787-3	1.454-3	9.488-4	5.816-4	5.083-4	4.588-4	3.970-4
90	107	6.080-4	5.510-4	4.782-4	4.506-4	4.242-4	3.777-4	3.262-4	3.092-4	2.931-4	2.576-4
90	108	3.448-3	3.455-3	2.549-3	2.117-3	1.718-3	1.096-3	6.052-4	4.886-4	3.962-4	2.603-4
90	109	1.714-3	1.486-3	1.007-3	8.438-4	7.084-4	5.243-4	4.179-4	4.067-4	4.068-4	4.135-4
90	110	2.617-3	2.061-3	1.386-3	1.198-3	1.053-3	8.783-4	8.168-4	8.306-4	8.601-4	9.130-4
90	111	7.828-4	6.830-4	4.304-4	3.400-4	2.628-4	1.511-4	7.050-5	5.302-5	3.994-5	2.264-5
90	112	5.566-4	4.584-4	3.322-4	2.991-4	2.743-4	2.447-4	2.345-4	2.373-4	2.428-4	2.495-4
90	113	5.173-4	4.595-4	3.220-4	2.644-4	2.123-4	1.322-4	7.059-5	5.656-5	4.577-5	3.061-5
90	114	9.936-4	7.770-4	5.668-4	5.150-4	4.747-4	4.174-4	3.648-4	3.473-4	3.298-4	2.873-4
90	115	7.407-4	5.237-4	3.527-4	3.142-4	2.852-4	2.458-4	2.135-4	2.040-4	1.950-4	1.731-4
90	116	8.220-3	8.152-3	8.063-3	8.025-3	7.981-3	7.856-3	7.565-3	7.412-3	7.229-3	6.596-3
90	117	6.521-3	6.357-3	6.203-3	6.156-3	6.108-3	5.995-3	5.759-3	5.637-3	5.490-3	4.993-3
90	118	1.742-3	1.741-3	1.740-3	1.739-3	1.737-3	1.729-3	1.704-3	1.691-3	1.675-3	1.579-3
90	119	1.113-2	1.107-2	1.090-2	1.080-2	1.068-2	1.032-2	9.459-3	8.968-3	8.370-3	6.828-3
90	120	2.019-4	1.861-4	1.286-4	1.054-4	8.502-5	5.485-5	3.313-5	2.865-5	2.548-5	2.113-5

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
90	121	6.227-4	6.205-4	6.044-4	5.977-4	5.914-4	5.796-4	5.621-4	5.542-4	5.449-4	5.061-4
90	122	6.965-4	6.886-4	6.704-4	6.618-4	6.519-4	6.253-4	5.645-4	5.314-4	4.921-4	3.950-4
90	123	6.681-4	6.628-4	6.492-4	6.434-4	6.370-4	6.217-4	5.915-4	5.765-4	5.592-4	5.048-4
90	124	2.980-3	2.972-3	2.943-3	2.923-3	2.896-3	2.807-3	2.577-3	2.448-3	2.294-3	1.897-3
90	125	1.250-4	1.246-4	1.231-4	1.221-4	1.207-4	1.164-4	1.061-4	1.005-4	9.399-5	7.767-5
91	92	8.023-3	7.430-3	6.793-3	6.574-3	6.348-3	5.828-3	4.929-3	4.547-3	4.159-3	3.365-3
91	93	1.693-3	1.676-3	1.841-3	2.041-3	2.353-3	3.286-3	4.760-3	5.185-3	5.498-3	5.656-3
91	94	2.280-3	2.138-3	1.949-3	1.883-3	1.821-3	1.707-3	1.554-3	1.495-3	1.439-3	1.306-3
91	95	4.675-3	4.507-3	4.261-3	4.166-3	4.068-3	3.844-3	3.423-3	3.211-3	2.965-3	2.375-3
91	96	8.208-3	8.097-3	7.912-3	7.830-3	7.732-3	7.441-3	6.791-3	6.496-3	6.199-3	5.521-3
91	97	1.425-2	1.417-2	1.398-2	1.390-2	1.378-2	1.340-2	1.245-2	1.198-2	1.148-2	1.024-2
91	98	2.549-4	2.094-4	1.636-4	1.508-4	1.396-4	1.202-4	9.638-5	8.764-5	7.919-5	6.287-5
91	99	2.283-3	2.137-3	1.969-3	1.909-3	1.847-3	1.714-3	1.495-3	1.401-3	1.303-3	1.089-3
91	100	3.174-3	3.126-3	3.013-3	2.968-3	2.926-3	2.843-3	2.698-3	2.628-3	2.548-3	2.310-3
91	101	2.159-3	2.106-3	1.994-3	1.943-3	1.891-3	1.783-3	1.604-3	1.515-3	1.411-3	1.149-3
91	102	1.123-3	1.109-3	1.068-3	1.047-3	1.021-3	9.592-4	8.421-4	7.853-4	7.214-4	5.728-4
91	103	2.444-3	2.411-3	2.314-3	2.256-3	2.185-3	1.991-3	1.613-3	1.440-3	1.259-3	8.969-4
91	104	4.952-4	4.891-4	4.464-4	4.247-4	4.030-4	3.622-4	3.088-4	2.867-4	2.626-4	2.079-4
91	105	2.766-3	2.734-3	2.642-3	2.587-3	2.518-3	2.325-3	1.931-3	1.748-3	1.553-3	1.151-3
91	106	9.636-4	9.230-4	6.840-4	5.764-4	4.784-4	3.283-4	2.156-4	1.917-4	1.747-4	1.515-4
91	107	1.581-4	1.297-4	8.946-5	7.466-5	6.122-5	4.004-5	2.282-5	1.866-5	1.534-5	1.040-5
91	108	6.463-4	6.278-4	4.488-4	3.694-4	2.976-4	1.883-4	1.063-4	8.850-5	7.530-5	5.707-5
91	109	1.695-4	1.476-4	9.699-5	7.763-5	6.052-5	3.490-5	1.592-5	1.182-5	8.769-6	4.825-6
91	110	7.820-5	6.771-5	4.262-5	3.366-5	2.599-5	1.489-5	6.882-6	5.156-6	3.870-6	2.184-6
91	111	5.344-4	4.414-4	2.838-4	2.320-4	1.889-4	1.290-4	9.089-5	8.484-5	8.185-5	7.906-5
91	112	3.031-4	2.444-4	1.810-4	1.664-4	1.563-4	1.465-4	1.483-4	1.526-4	1.585-4	1.662-4
91	113	2.905-4	2.976-4	3.078-4	3.095-4	3.111-4	3.169-4	3.361-4	3.480-4	3.624-4	3.803-4
91	114	7.476-5	5.386-5	3.191-5	2.610-5	2.150-5	1.507-5	9.977-6	8.618-6	7.436-6	5.414-6
91	115	4.673-5	3.103-5	1.665-5	1.305-5	1.024-5	6.447-6	3.669-6	2.994-6	2.439-6	1.581-6
91	116	3.591-3	3.562-3	3.511-3	3.486-3	3.454-3	3.359-3	3.126-3	2.995-3	2.837-3	2.408-3
91	117	1.690-3	1.662-3	1.624-3	1.609-3	1.593-3	1.554-3	1.473-3	1.431-3	1.382-3	1.232-3
91	118	1.001-3	9.909-4	9.702-4	9.601-4	9.480-4	9.138-4	8.314-4	7.854-4	7.301-4	5.903-4
91	119	2.743-4	2.558-4	2.133-4	1.954-4	1.787-4	1.504-4	1.196-4	1.088-4	9.817-5	7.658-5
91	120	1.619-4	1.803-4	1.420-4	1.223-4	1.045-4	7.843-5	6.166-5	5.926-5	5.830-5	5.702-5
91	121	8.453-4	8.418-4	8.287-4	8.210-4	8.112-4	7.821-4	7.107-4	6.708-4	6.228-4	5.024-4
91	122	5.042-4	5.025-4	4.956-4	4.922-4	4.881-4	4.767-4	4.495-4	4.345-4	4.163-4	3.638-4
91	123	1.636-4	1.606-4	1.536-4	1.509-4	1.480-4	1.415-4	1.289-4	1.227-4	1.155-4	9.740-5
91	124	1.764-3	1.760-3	1.745-3	1.734-3	1.719-3	1.668-3	1.532-3	1.452-3	1.355-3	1.104-3
91	125	9.305-5	9.300-5	9.262-5	9.233-5	9.193-5	9.065-5	8.747-5	8.577-5	8.370-5	7.638-5
92	93	2.598-3	2.208-3	1.695-3	1.542-3	1.410-3	1.192-3	9.301-4	8.310-4	7.317-4	5.374-4
92	94	4.263-3	3.980-3	3.394-3	3.150-3	2.921-3	2.541-3	2.199-3	2.117-3	2.063-3	1.977-3
92	95	1.503-2	1.361-2	1.199-2	1.147-2	1.099-2	1.005-2	8.604-3	7.978-3	7.312-3	5.856-3
92	96	2.882-2	2.843-2	2.744-2	2.697-2	2.643-2	2.505-2	2.233-2	2.112-2	1.990-2	1.724-2
92	97	2.233-2	2.205-2	2.150-2	2.124-2	2.093-2	2.010-2	1.840-2	1.763-2	1.684-2	1.495-2
92	98	3.792-2	3.557-2	3.283-2	3.184-2	3.086-2	2.883-2	2.544-2	2.383-2	2.203-2	1.776-2
92	99	1.037-2	1.006-2	9.487-3	9.227-3	8.935-3	8.220-3	6.893-3	6.284-3	5.631-3	4.258-3
92	100	3.696-3	3.592-3	3.431-3	3.367-3	3.299-3	3.136-3	2.839-3	2.710-3	2.575-3	2.257-3
92	101	1.049-3	9.955-4	9.303-4	9.040-4	8.756-4	8.086-4	6.875-4	6.320-4	5.721-4	4.432-4
92	102	9.808-3	9.521-3	8.997-3	8.777-3	8.554-3	8.097-3	7.386-3	7.076-3	6.738-3	5.875-3
92	103	1.278-2	1.263-2	1.208-2	1.177-2	1.141-2	1.050-2	8.805-3	8.036-3	7.216-3	5.492-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
92	104	2.614-3	2.603-3	2.538-3	2.497-3	2.448-3	2.324-3	2.073-3	1.946-3	1.797-3	1.441-3
92	105	7.719-3	7.670-3	7.452-3	7.317-3	7.147-3	6.679-3	5.714-3	5.247-3	4.734-3	3.615-3
92	106	1.494-3	1.356-3	9.823-4	8.334-4	6.997-4	4.928-4	3.222-4	2.787-4	2.426-4	1.835-4
92	107	1.054-3	9.910-4	8.509-4	7.879-4	7.270-4	6.211-4	5.058-4	4.646-4	4.224-4	3.318-4
92	108	2.084-3	1.878-3	1.324-3	1.119-3	9.407-4	6.796-4	4.884-4	4.482-4	4.202-4	3.790-4
92	109	3.163-3	2.715-3	1.700-3	1.348-3	1.051-3	6.255-4	3.264-4	2.647-4	2.205-4	1.636-4
92	110	7.389-3	5.863-3	3.512-3	2.775-3	2.171-3	1.334-3	7.679-4	6.563-4	5.797-4	4.831-4
92	111	2.809-4	2.488-4	1.612-4	1.291-4	1.014-4	6.087-5	3.101-5	2.436-5	1.929-5	1.228-5
92	112	8.485-4	6.831-4	4.084-4	3.233-4	2.535-4	1.556-4	8.350-5	6.658-5	5.305-5	3.308-5
92	113	3.605-4	2.870-4	1.872-4	1.543-4	1.263-4	8.444-5	5.060-5	4.183-5	3.441-5	2.258-5
92	114	1.257-2	1.228-2	1.197-2	1.186-2	1.175-2	1.145-2	1.078-2	1.042-2	9.981-3	8.728-3
92	115	2.076-2	2.059-2	2.026-2	2.009-2	1.989-2	1.929-2	1.782-2	1.700-2	1.603-2	1.347-2
92	116	4.968-4	4.583-4	4.062-4	3.897-4	3.746-4	3.460-4	3.022-4	2.823-4	2.605-4	2.101-4
92	117	2.097-3	2.029-3	1.947-3	1.920-3	1.893-3	1.834-3	1.727-3	1.677-3	1.621-3	1.456-3
92	118	3.079-4	2.917-4	2.659-4	2.575-4	2.497-4	2.348-4	2.101-4	1.978-4	1.834-4	1.478-4
92	119	2.190-3	2.144-3	2.073-3	2.046-3	2.018-3	1.949-3	1.809-3	1.737-3	1.654-3	1.430-3
92	120	4.583-4	4.170-4	2.772-4	2.232-4	1.762-4	1.068-4	5.453-5	4.251-5	3.313-5	1.987-5
92	121	1.504-4	1.120-4	7.597-5	6.711-5	6.017-5	5.023-5	4.080-5	3.750-5	3.411-5	2.678-5
92	122	8.973-4	8.583-4	8.197-4	8.071-4	7.943-4	7.643-4	7.036-4	6.724-4	6.362-4	5.415-4
92	123	3.892-3	3.863-3	3.811-3	3.783-3	3.747-3	3.638-3	3.371-3	3.224-3	3.048-3	2.581-3
92	124	4.250-4	4.209-4	4.139-4	4.099-4	4.048-4	3.897-4	3.568-4	3.408-4	3.230-4	2.782-4
92	125	4.778-3	4.765-3	4.712-3	4.677-3	4.627-3	4.469-3	4.059-3	3.827-3	3.550-3	2.856-3
93	94	9.041-3	8.887-3	8.812-3	9.146-3	9.781-3	1.164-2	1.625-2	1.933-2	2.295-2	2.874-2
93	95	3.515-3	3.082-3	2.549-3	2.392-3	2.258-3	2.037-3	1.788-3	1.701-3	1.617-3	1.427-3
93	96	2.558-3	2.108-3	1.476-3	1.288-3	1.130-3	8.853-4	6.418-4	5.616-4	4.855-4	3.458-4
93	97	4.150-3	3.848-3	3.648-3	3.803-3	4.124-3	5.188-3	6.954-3	7.509-3	7.955-3	8.253-3
93	98	3.896-3	3.453-3	2.985-3	2.842-3	2.707-3	2.428-3	1.967-3	1.762-3	1.547-3	1.112-3
93	99	2.327-3	2.036-3	1.722-3	1.628-3	1.540-3	1.372-3	1.121-3	1.017-3	9.100-4	6.936-4
93	100	6.421-3	6.944-3	8.129-3	8.984-3	1.006-2	1.255-2	1.602-2	1.726-2	1.843-2	1.963-2
93	101	3.075-3	3.239-3	3.620-3	3.913-3	4.284-3	5.145-3	6.456-3	7.074-3	7.812-3	9.175-3
93	102	2.705-3	2.575-3	2.479-3	2.460-3	2.450-3	2.458-3	2.544-3	2.606-3	2.681-3	2.741-3
93	103	1.875-3	1.796-3	1.720-3	1.699-3	1.684-3	1.668-3	1.688-3	1.711-3	1.742-3	1.749-3
93	104	7.725-2	8.817-2	1.046-1	1.163-1	1.307-1	1.633-1	2.112-1	2.327-1	2.574-1	3.009-1
93	105	1.819-1	2.071-1	2.442-1	2.711-1	3.043-1	3.790-1	4.889-1	5.382-1	5.947-1	6.933-1
93	106	1.424-3	1.342-3	9.711-4	8.168-4	6.805-4	4.784-4	3.304-4	2.987-4	2.755-4	2.390-4
93	107	5.438-2	5.639-2	6.020-2	6.503-2	7.126-2	8.552-2	1.064-1	1.156-1	1.261-1	1.433-1
93	108	3.975-3	3.754-3	3.240-3	3.090-3	2.976-3	2.833-3	2.744-3	2.729-3	2.721-3	2.627-3
93	109	1.865-3	1.613-3	1.233-3	1.118-3	1.023-3	8.787-4	7.398-4	6.917-4	6.425-4	5.312-4
93	110	1.031-3	8.860-4	6.739-4	6.087-4	5.538-4	4.693-4	3.830-4	3.517-4	3.192-4	2.488-4
93	111	3.459-3	2.689-3	1.691-3	1.403-3	1.169-3	8.392-4	5.856-4	5.189-4	4.596-4	3.497-4
93	112	1.124-2	1.109-2	1.084-2	1.074-2	1.063-2	1.036-2	9.751-3	9.428-3	9.044-3	7.940-3
93	113	7.069-4	5.773-4	3.813-4	3.155-4	2.592-4	1.762-4	1.112-4	9.494-5	8.140-5	5.919-5
93	114	1.485-4	1.189-4	7.990-5	6.881-5	5.981-5	4.684-5	3.593-5	3.291-5	3.028-5	2.538-5
93	115	8.643-5	6.271-5	3.763-5	3.100-5	2.574-5	1.835-5	1.227-5	1.054-5	8.976-6	6.241-6
93	116	6.829-4	7.764-4	9.778-4	1.059-3	1.135-3	1.274-3	1.460-3	1.541-3	1.630-3	1.747-3
93	117	6.516-5	5.297-5	3.774-5	3.345-5	2.990-5	2.446-5	1.902-5	1.721-5	1.550-5	1.219-5
93	118	6.799-5	6.319-5	5.531-5	5.347-5	5.225-5	5.126-5	5.223-5	5.329-5	5.471-5	5.602-5
93	119	2.899-4	2.796-4	2.679-4	2.652-4	2.636-4	2.641-4	2.739-4	2.810-4	2.896-4	2.967-4
93	120	2.466-3	2.470-3	2.449-3	2.438-3	2.427-3	2.397-3	2.335-3	2.304-3	2.267-3	2.111-3
93	121	5.482-4	5.958-4	6.751-4	7.050-4	7.334-4	7.885-4	8.750-4	9.171-4	9.645-4	1.024-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
93	122	7.628-3	7.924-3	8.837-3	9.207-3	9.564-3	1.027-2	1.141-2	1.197-2	1.259-2	1.338-2
93	123	1.104-4	1.046-4	9.868-5	9.654-5	9.412-5	8.757-5	7.422-5	6.808-5	6.159-5	4.790-5
93	124	1.738-3	1.750-3	1.769-3	1.780-3	1.795-3	1.843-3	1.966-3	2.036-3	2.118-3	2.207-3
93	125	2.707-4	2.698-4	2.669-4	2.649-4	2.623-4	2.546-4	2.393-4	2.327-4	2.260-4	2.065-4
94	95	4.212-3	3.857-3	3.130-3	2.838-3	2.570-3	2.145-3	1.807-3	1.744-3	1.718-3	1.714-3
94	96	5.826-3	5.657-3	4.415-3	3.857-3	3.337-3	2.491-3	1.731-3	1.518-3	1.330-3	1.003-3
94	97	3.202-2	3.102-2	2.371-2	2.038-2	1.731-2	1.248-2	8.623-3	7.706-3	6.975-3	5.762-3
94	98	3.721-3	3.235-3	2.380-3	2.056-3	1.761-3	1.283-3	8.502-4	7.270-4	6.175-4	4.296-4
94	99	6.699-3	5.684-3	3.803-3	3.158-3	2.601-3	1.771-3	1.112-3	9.464-4	8.071-4	5.776-4
94	100	3.558-3	3.205-3	2.352-3	2.043-3	1.773-3	1.366-3	1.029-3	9.416-4	8.670-4	7.306-4
94	101	1.846-3	1.770-3	1.518-3	1.404-3	1.299-3	1.131-3	9.867-4	9.488-4	9.170-4	8.415-4
94	102	3.777-3	3.498-3	2.843-3	2.572-3	2.322-3	1.916-3	1.546-3	1.441-3	1.347-3	1.157-3
94	103	3.650-3	3.436-3	2.767-3	2.488-3	2.235-3	1.838-3	1.507-3	1.424-3	1.355-3	1.215-3
94	104	1.196-2	1.276-2	1.058-2	9.434-3	8.383-3	6.782-3	5.595-3	5.348-3	5.169-3	4.793-3
94	105	3.711-3	3.531-3	2.685-3	2.298-3	1.935-3	1.355-3	8.714-4	7.500-4	6.501-4	4.891-4
94	106	1.067-1	1.112-1	1.170-1	1.252-1	1.363-1	1.628-1	2.032-1	2.216-1	2.428-1	2.789-1
94	107	1.931-2	1.669-2	1.187-2	1.002-2	8.368-3	5.874-3	3.978-3	3.547-3	3.214-3	2.674-3
94	108	7.764-1	7.076-1	5.996-1	5.986-1	6.166-1	6.867-1	8.216-1	8.877-1	9.646-1	1.094-0
94	109	5.813-1	5.005-1	4.710-1	4.956-1	5.324-1	6.219-1	7.576-1	8.182-1	8.864-1	9.955-1
94	110	2.630-2	2.161-2	1.414-2	1.176-2	9.764-3	6.830-3	4.384-3	3.710-3	3.119-3	2.123-3
94	111	3.249-1	2.751-1	2.624-1	2.774-1	2.986-1	3.486-1	4.223-1	4.550-1	4.917-1	5.498-1
94	112	3.355-1	3.814-1	5.067-1	5.620-1	6.158-1	7.142-1	8.411-1	8.951-1	9.541-1	1.036-0
94	113	1.055-2	1.108-2	1.335-2	1.442-2	1.548-2	1.747-2	2.018-2	2.138-2	2.272-2	2.457-2
94	114	2.334-2	2.279-2	2.246-2	2.243-2	2.241-2	2.231-2	2.195-2	2.176-2	2.153-2	2.031-2
94	115	8.294-3	7.227-3	6.096-3	5.762-3	5.455-3	4.857-3	3.927-3	3.522-3	3.095-3	2.232-3
94	116	1.053-2	1.028-2	1.012-2	1.009-2	1.007-2	1.000-2	9.806-3	9.708-3	9.592-3	9.023-3
94	117	6.006-3	5.697-3	5.317-3	5.192-3	5.067-3	4.783-3	4.260-3	4.018-3	3.757-3	3.151-3
94	118	1.110-2	1.107-2	1.115-2	1.120-2	1.125-2	1.132-2	1.133-2	1.132-2	1.129-2	1.079-2
94	119	4.048-2	4.094-2	4.187-2	4.222-2	4.253-2	4.296-2	4.317-2	4.319-2	4.315-2	4.142-2
94	120	3.261-2	3.744-2	4.507-2	4.788-2	5.052-2	5.542-2	6.254-2	6.586-2	6.956-2	7.440-2
94	121	5.600-3	5.508-3	5.467-3	5.467-3	5.466-3	5.449-3	5.373-3	5.330-3	5.275-3	4.968-3
94	122	2.346-2	2.348-2	2.379-2	2.393-2	2.405-2	2.425-2	2.442-2	2.447-2	2.449-2	2.356-2
94	123	4.616-2	4.617-2	4.689-2	4.719-2	4.747-2	4.796-2	4.848-2	4.869-2	4.884-2	4.720-2
94	124	1.889-3	1.887-3	1.889-3	1.890-3	1.891-3	1.893-3	1.890-3	1.888-3	1.881-3	1.792-3
94	125	3.516-3	3.523-3	3.533-3	3.538-3	3.544-3	3.558-3	3.582-3	3.592-3	3.598-3	3.463-3
95	96	1.282-2	1.214-2	1.119-2	1.091-2	1.066-2	1.020-2	9.493-3	9.168-3	8.805-3	7.801-3
95	97	6.008-3	5.553-3	4.909-3	4.682-3	4.461-3	4.014-3	3.335-3	3.051-3	2.757-3	2.149-3
95	98	6.875-2	6.766-2	6.634-2	6.593-2	6.550-2	6.414-2	6.076-2	5.934-2	5.814-2	5.522-2
95	99	2.987-2	2.938-2	2.878-2	2.860-2	2.843-2	2.790-2	2.656-2	2.594-2	2.532-2	2.355-2
95	100	2.522-2	2.519-2	2.513-2	2.517-2	2.522-2	2.520-2	2.474-2	2.451-2	2.431-2	2.331-2
95	101	5.041-3	4.884-3	4.637-3	4.515-3	4.369-3	3.985-3	3.246-3	2.912-3	2.562-3	1.859-3
95	102	3.762-2	3.739-2	3.662-2	3.620-2	3.566-2	3.405-2	3.059-2	2.897-2	2.726-2	2.333-2
95	103	1.614-2	1.604-2	1.567-2	1.546-2	1.520-2	1.448-2	1.302-2	1.237-2	1.168-2	1.011-2
95	104	3.733-3	3.670-3	3.512-3	3.421-3	3.311-3	3.022-3	2.478-3	2.237-3	1.985-3	1.481-3
95	105	8.553-3	8.431-3	8.115-3	7.934-3	7.707-3	7.085-3	5.853-3	5.293-3	4.705-3	3.516-3
95	106	1.642-3	1.518-3	1.080-3	8.840-4	7.037-4	4.245-4	2.097-4	1.614-4	1.245-4	7.441-5
95	107	1.307-3	1.156-3	9.755-4	9.040-4	8.336-4	7.016-4	5.405-4	4.827-4	4.267-4	3.202-4
95	108	6.061-3	5.885-3	4.247-3	3.551-3	2.930-3	1.995-3	1.299-3	1.149-3	1.041-3	8.833-4
95	109	3.341-3	2.969-3	1.895-3	1.506-3	1.175-3	6.991-4	3.653-4	2.973-4	2.494-4	1.894-4
95	110	4.499-3	3.418-3	2.074-3	1.662-3	1.322-3	8.497-4	5.299-4	4.684-4	4.277-4	3.765-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
95	111	7.880-4	6.581-4	4.183-4	3.359-4	2.654-4	1.621-4	8.457-5	6.674-5	5.281-5	3.299-5
95	112	9.387-4	7.575-4	4.553-4	3.605-4	2.827-4	1.731-4	9.347-5	7.524-5	6.094-5	4.017-5
95	113	6.943-4	5.900-4	4.055-4	3.313-4	2.642-4	1.613-4	8.278-5	6.526-5	5.201-5	3.398-5
95	114	3.134-3	2.841-3	2.517-3	2.425-3	2.344-3	2.195-3	1.956-3	1.839-3	1.704-3	1.374-3
95	115	4.326-3	3.921-3	3.552-3	3.457-3	3.376-3	3.235-3	3.035-3	2.946-3	2.845-3	2.550-3
95	116	1.190-3	1.055-3	9.281-4	8.959-4	8.699-4	8.299-4	7.838-4	7.649-4	7.436-4	6.748-4
95	117	1.201-2	1.173-2	1.148-2	1.140-2	1.132-2	1.111-2	1.065-2	1.041-2	1.012-2	9.172-3
95	118	2.763-4	2.235-4	1.612-4	1.435-4	1.286-4	1.046-4	7.778-5	6.816-5	5.878-5	4.128-5
95	119	1.763-2	1.751-2	1.727-2	1.715-2	1.701-2	1.659-2	1.559-2	1.503-2	1.437-2	1.249-2
95	120	4.666-4	4.271-4	2.767-4	2.206-4	1.725-4	1.033-4	5.389-5	4.339-5	3.565-5	2.523-5
95	121	2.748-4	2.573-4	2.323-4	2.239-4	2.160-4	2.002-4	1.742-4	1.619-4	1.482-4	1.165-4
95	122	3.851-3	3.844-3	3.847-3	3.849-3	3.849-3	3.842-3	3.814-3	3.799-3	3.778-3	3.591-3
95	123	1.460-3	1.441-3	1.426-3	1.422-3	1.418-3	1.406-3	1.380-3	1.366-3	1.348-3	1.261-3
95	124	4.789-3	4.787-3	4.769-3	4.756-3	4.738-3	4.679-3	4.535-3	4.458-3	4.365-3	4.014-3
95	125	9.149-4	9.137-4	9.080-4	9.039-4	8.984-4	8.809-4	8.389-4	8.166-4	7.903-4	7.087-4
96	97	2.157-2	2.133-2	2.073-2	2.047-2	2.019-2	1.950-2	1.804-2	1.732-2	1.651-2	1.439-2
96	98	1.992-2	1.926-2	1.801-2	1.749-2	1.697-2	1.589-2	1.418-2	1.343-2	1.262-2	1.072-2
96	99	1.115-2	1.025-2	9.027-3	8.619-3	8.240-3	7.522-3	6.487-3	6.049-3	5.584-3	4.559-3
96	100	4.554-3	4.356-3	4.066-3	3.951-3	3.830-3	3.557-3	3.070-3	2.846-3	2.604-3	2.069-3
96	101	1.948-3	1.854-3	1.750-3	1.717-3	1.687-3	1.633-3	1.553-3	1.522-3	1.490-3	1.386-3
96	102	1.466-2	1.445-2	1.399-2	1.379-2	1.358-2	1.308-2	1.210-2	1.160-2	1.103-2	9.535-3
96	103	1.256-2	1.237-2	1.183-2	1.157-2	1.127-2	1.052-2	9.096-3	8.442-3	7.740-3	6.206-3
96	104	1.205-3	1.184-3	1.132-3	1.108-3	1.083-3	1.035-3	9.635-4	9.340-4	9.037-4	8.213-4
96	105	2.037-2	2.055-2	2.069-2	2.080-2	2.094-2	2.114-2	2.118-2	2.116-2	2.115-2	2.045-2
96	106	8.756-3	8.889-3	8.772-3	9.108-3	9.657-3	1.114-2	1.371-2	1.496-2	1.646-2	1.914-2
96	107	8.156-4	7.205-4	5.872-4	5.343-4	4.850-4	4.043-4	3.316-4	3.116-4	2.943-4	2.587-4
96	108	1.176-2	1.139-2	1.048-2	1.063-2	1.105-2	1.238-2	1.484-2	1.606-2	1.752-2	2.005-2
96	109	1.384-2	1.237-2	1.132-2	1.163-2	1.223-2	1.388-2	1.662-2	1.792-2	1.942-2	2.192-2
96	110	5.708-2	4.735-2	4.355-2	4.559-2	4.878-2	5.675-2	6.920-2	7.490-2	8.140-2	9.207-2
96	111	2.129-3	1.844-3	1.173-3	9.365-4	7.346-4	4.423-4	2.294-4	1.825-4	1.469-4	9.771-5
96	112	2.198-3	2.129-3	2.172-3	2.237-3	2.316-3	2.494-3	2.783-3	2.924-3	3.086-3	3.311-3
96	113	3.442-4	2.751-4	1.768-4	1.444-4	1.169-4	7.643-5	4.497-5	3.729-5	3.104-5	2.144-5
96	114	1.210-2	1.185-2	1.152-2	1.138-2	1.122-2	1.077-2	9.759-3	9.210-3	8.563-3	6.961-3
96	115	9.965-3	9.844-3	9.757-3	9.735-3	9.708-3	9.609-3	9.341-3	9.199-3	9.030-3	8.367-3
96	116	1.184-3	1.122-3	1.051-3	1.030-3	1.009-3	9.647-4	8.888-4	8.538-4	8.152-4	7.147-4
96	117	4.754-3	4.683-3	4.575-3	4.525-3	4.464-3	4.286-3	3.868-3	3.643-3	3.380-3	2.736-3
96	118	5.537-3	5.540-3	5.563-3	5.575-3	5.584-3	5.586-3	5.544-3	5.517-3	5.477-3	5.189-3
96	119	3.981-3	3.952-3	3.912-3	3.893-3	3.869-3	3.794-3	3.618-3	3.528-3	3.423-3	3.094-3
96	120	5.168-4	4.400-4	2.836-4	2.293-4	1.831-4	1.160-4	6.576-5	5.413-5	4.500-5	3.156-5
96	121	9.848-4	9.629-4	9.353-4	9.243-4	9.117-4	8.781-4	8.037-4	7.648-4	7.195-4	6.046-4
96	122	4.574-3	4.544-3	4.503-3	4.482-3	4.454-3	4.367-3	4.150-3	4.032-3	3.892-3	3.465-3
96	123	1.688-3	1.666-3	1.628-3	1.610-3	1.588-3	1.525-3	1.387-3	1.316-3	1.235-3	1.033-3
96	124	2.680-4	2.626-4	2.557-4	2.523-4	2.481-4	2.362-4	2.110-4	1.989-4	1.856-4	1.547-4
96	125	4.313-3	4.302-3	4.258-3	4.227-3	4.185-3	4.049-3	3.695-3	3.494-3	3.252-3	2.641-3
97	98	9.863-3	9.389-3	8.667-3	8.363-3	8.045-3	7.350-3	6.198-3	5.680-3	5.118-3	3.905-3
97	99	1.198-2	1.149-2	1.075-2	1.046-2	1.018-2	9.550-3	8.460-3	7.964-3	7.427-3	6.194-3
97	100	5.190-3	4.977-3	4.626-3	4.474-3	4.313-3	3.949-3	3.332-3	3.059-3	2.772-3	2.166-3
97	101	2.646-3	2.562-3	2.420-3	2.359-3	2.296-3	2.159-3	1.932-3	1.833-3	1.729-3	1.488-3
97	102	7.225-3	7.150-3	6.875-3	6.718-3	6.535-3	6.085-3	5.258-3	4.877-3	4.464-3	3.550-3
97	103	1.049-2	1.051-2	1.037-2	1.032-2	1.025-2	1.006-2	9.586-3	9.355-3	9.111-3	8.394-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
97	104	6.310-3	6.450-3	6.202-3	6.068-3	5.943-3	5.725-3	5.450-3	5.340-3	5.221-3	4.825-3
97	105	1.108-2	1.109-2	1.092-2	1.084-2	1.076-2	1.052-2	9.988-3	9.733-3	9.456-3	8.627-3
97	106	9.167-3	9.278-3	9.004-3	9.281-3	9.781-3	1.121-2	1.378-2	1.506-2	1.659-2	1.935-2
97	107	7.465-3	7.274-3	5.459-3	4.779-3	4.201-3	3.364-3	2.743-3	2.599-3	2.482-3	2.233-3
97	108	5.875-2	5.328-2	4.452-2	4.418-2	4.530-2	5.024-2	6.042-2	6.561-2	7.180-2	8.269-2
97	109	7.683-2	6.749-2	6.323-2	6.615-2	7.072-2	8.223-2	1.005-1	1.089-1	1.186-1	1.348-1
97	110	4.401-3	3.631-3	2.270-3	1.829-3	1.461-3	9.330-4	5.327-4	4.357-4	3.565-4	2.352-4
97	111	3.104-2	2.620-2	2.466-2	2.595-2	2.785-2	3.245-2	3.948-2	4.268-2	4.634-2	5.235-2
97	112	3.053-2	3.462-2	4.604-2	5.114-2	5.611-2	6.527-2	7.713-2	8.222-2	8.782-2	9.580-2
97	113	1.717-3	1.704-3	1.879-3	1.975-3	2.074-3	2.277-3	2.587-3	2.734-3	2.901-3	3.135-3
97	114	1.506-2	1.503-2	1.506-2	1.508-2	1.508-2	1.502-2	1.475-2	1.459-2	1.438-2	1.345-2
97	115	9.632-4	8.263-4	6.654-4	6.168-4	5.739-4	4.979-4	3.962-4	3.548-4	3.120-4	2.262-4
97	116	2.394-3	2.351-3	2.321-3	2.318-3	2.315-3	2.306-3	2.271-3	2.251-3	2.223-3	2.083-3
97	117	3.027-3	2.969-3	2.892-3	2.864-3	2.836-3	2.766-3	2.622-3	2.549-3	2.465-3	2.209-3
97	118	3.911-3	3.874-3	3.827-3	3.807-3	3.781-3	3.698-3	3.474-3	3.346-3	3.190-3	2.756-3
97	119	3.845-3	3.829-3	3.838-3	3.844-3	3.849-3	3.842-3	3.800-3	3.777-3	3.749-3	3.557-3
97	120	3.385-3	3.754-3	4.301-3	4.510-3	4.713-3	5.107-3	5.719-3	6.014-3	6.348-3	6.790-3
97	121	2.563-3	2.546-3	2.521-3	2.509-3	2.493-3	2.442-3	2.310-3	2.235-3	2.146-3	1.883-3
97	122	3.752-3	3.733-3	3.713-3	3.701-3	3.682-3	3.613-3	3.420-3	3.309-3	3.173-3	2.775-3
97	123	4.676-3	4.657-3	4.687-3	4.698-3	4.704-3	4.693-3	4.621-3	4.580-3	4.527-3	4.249-3
97	124	1.258-3	1.255-3	1.250-3	1.247-3	1.243-3	1.230-3	1.193-3	1.172-3	1.145-3	1.046-3
97	125	2.628-3	2.621-3	2.593-3	2.574-3	2.548-3	2.463-3	2.247-3	2.127-3	1.982-3	1.618-3
98	99	2.651-2	2.605-2	2.533-2	2.508-2	2.482-2	2.413-2	2.270-2	2.214-2	2.165-2	2.043-2
98	100	9.221-3	9.012-3	8.621-3	8.423-3	8.183-3	7.549-3	6.366-3	5.860-3	5.351-3	4.328-3
98	101	5.131-3	5.015-3	4.819-3	4.719-3	4.597-3	4.269-3	3.648-3	3.382-3	3.116-3	2.572-3
98	102	3.324-2	3.221-2	3.055-2	2.982-2	2.900-2	2.701-2	2.335-2	2.172-2	2.003-2	1.642-2
98	103	1.460-2	1.435-2	1.365-2	1.327-2	1.283-2	1.171-2	9.609-3	8.667-3	7.684-3	5.708-3
98	104	5.999-3	5.913-3	5.693-3	5.559-3	5.389-3	4.919-3	3.986-3	3.560-3	3.112-3	2.218-3
98	105	1.264-2	1.254-2	1.217-2	1.194-2	1.163-2	1.079-2	9.076-3	8.261-3	7.381-3	5.519-3
98	106	1.193-3	9.947-4	6.481-4	5.209-4	4.093-4	2.430-4	1.212-4	9.533-5	7.643-5	5.184-5
98	107	2.052-3	1.868-3	1.649-3	1.550-3	1.443-3	1.226-3	9.314-4	8.190-4	7.073-4	4.959-4
98	108	2.836-3	2.538-3	1.846-3	1.580-3	1.343-3	9.723-4	6.490-4	5.594-4	4.812-4	3.483-4
98	109	2.782-3	2.435-3	1.580-3	1.265-3	9.915-4	5.905-4	2.982-4	2.351-4	1.881-4	1.253-4
98	110	9.407-3	7.694-3	4.647-3	3.650-3	2.821-3	1.659-3	8.586-4	6.964-4	5.819-4	4.378-4
98	111	2.659-4	2.458-4	1.658-4	1.354-4	1.088-4	6.938-5	3.858-5	3.108-5	2.498-5	1.579-5
98	112	1.108-3	9.421-4	5.969-4	4.812-4	3.843-4	2.450-4	1.404-4	1.156-4	9.564-5	6.549-5
98	113	3.175-4	2.504-4	1.577-4	1.278-4	1.025-4	6.551-5	3.698-5	3.000-5	2.429-5	1.557-5
98	114	2.171-2	2.132-2	2.098-2	2.088-2	2.077-2	2.048-2	1.980-2	1.943-2	1.899-2	1.741-2
98	115	3.453-2	3.434-2	3.393-2	3.373-2	3.348-2	3.276-2	3.100-2	3.003-2	2.886-2	2.543-2
98	116	1.482-4	1.130-4	6.642-5	5.323-5	4.267-5	2.802-5	1.704-5	1.436-5	1.217-5	8.721-6
98	117	1.386-3	1.340-3	1.278-3	1.258-3	1.238-3	1.195-3	1.115-3	1.075-3	1.029-3	9.005-4
98	118	1.437-4	1.294-4	1.059-4	9.807-5	9.099-5	7.801-5	6.044-5	5.346-5	4.641-5	3.283-5
98	119	1.665-3	1.599-3	1.490-3	1.446-3	1.400-3	1.290-3	1.089-3	9.981-4	9.016-4	6.977-4
98	120	6.752-4	6.009-4	3.945-4	3.176-4	2.512-4	1.539-4	8.169-5	6.539-5	5.279-5	3.491-5
98	121	1.147-4	8.595-5	5.027-5	4.048-5	3.271-5	2.191-5	1.366-5	1.159-5	9.892-6	7.218-6
98	122	5.372-4	4.907-4	4.468-4	4.339-4	4.216-4	3.957-4	3.484-4	3.251-4	2.984-4	2.360-4
98	123	5.530-3	5.476-3	5.406-3	5.376-3	5.340-3	5.240-3	5.016-3	4.901-3	4.765-3	4.321-3
98	124	1.355-4	1.087-4	9.076-5	8.634-5	8.239-5	7.450-5	6.162-5	5.589-5	4.980-5	3.710-5
98	125	7.538-3	7.537-3	7.513-3	7.495-3	7.469-3	7.382-3	7.163-3	7.048-3	6.907-3	6.367-3
99	100	1.619-2	1.564-2	1.488-2	1.459-2	1.426-2	1.346-2	1.182-2	1.103-2	1.016-2	8.156-3

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
99	101	2.173-2	2.180-2	2.195-2	2.209-2	2.225-2	2.253-2	2.274-2	2.295-2	2.338-2	2.413-2
99	102	2.531-2	2.516-2	2.465-2	2.438-2	2.404-2	2.303-2	2.078-2	1.973-2	1.862-2	1.611-2
99	103	2.168-2	2.151-2	2.100-2	2.075-2	2.045-2	1.962-2	1.788-2	1.708-2	1.623-2	1.421-2
99	104	3.770-3	3.677-3	3.495-3	3.399-3	3.287-3	3.004-3	2.488-3	2.261-3	2.024-3	1.546-3
99	105	1.075-2	1.069-2	1.045-2	1.032-2	1.015-2	9.651-3	8.606-3	8.127-3	7.627-3	6.510-3
99	106	9.446-3	9.928-3	1.018-2	1.077-2	1.163-2	1.392-2	1.754-2	1.894-2	2.029-2	2.176-2
99	107	1.914-3	1.742-3	1.501-3	1.403-3	1.307-3	1.126-3	8.969-4	8.098-4	7.219-4	5.458-4
99	108	1.143-2	1.051-2	8.311-3	7.779-3	7.476-3	7.443-3	8.363-3	9.031-3	9.909-3	1.162-2
99	109	2.326-2	2.052-2	1.916-2	2.003-2	2.142-2	2.500-2	3.096-2	3.386-2	3.731-2	4.348-2
99	110	3.834-2	3.194-2	2.967-2	3.123-2	3.362-2	3.960-2	4.932-2	5.397-2	5.943-2	6.909-2
99	111	1.303-3	1.143-3	7.580-4	6.123-4	4.846-4	2.945-4	1.510-4	1.182-4	9.273-5	5.670-5
99	112	4.253-3	4.506-3	5.440-3	5.901-3	6.367-3	7.262-3	8.489-3	9.040-3	9.660-3	1.058-2
99	113	1.147-3	1.013-3	7.122-4	5.819-4	4.625-4	2.779-4	1.362-4	1.043-4	8.002-5	4.688-5
99	114	1.237-2	1.224-2	1.213-2	1.210-2	1.205-2	1.190-2	1.146-2	1.122-2	1.093-2	9.953-3
99	115	3.444-3	3.299-3	3.193-3	3.172-3	3.154-3	3.116-3	3.039-3	3.001-3	2.955-3	2.755-3
99	116	2.992-3	2.863-3	2.716-3	2.668-3	2.623-3	2.521-3	2.328-3	2.230-3	2.116-3	1.813-3
99	117	6.847-3	6.678-3	6.496-3	6.434-3	6.366-3	6.183-3	5.748-3	5.505-3	5.211-3	4.421-3
99	118	8.657-4	8.011-4	7.353-4	7.172-4	7.014-4	6.720-4	6.244-4	6.011-4	5.737-4	4.980-4
99	119	1.094-2	1.089-2	1.082-2	1.078-2	1.072-2	1.055-2	1.013-2	9.916-3	9.663-3	8.815-3
99	120	9.680-4	8.383-4	5.708-4	4.822-4	4.086-4	3.060-4	2.386-4	2.269-4	2.202-4	2.087-4
99	121	4.737-3	4.753-3	4.767-3	4.770-3	4.769-3	4.753-3	4.691-3	4.657-3	4.611-3	4.343-3
99	122	2.262-3	2.244-3	2.209-3	2.191-3	2.168-3	2.099-3	1.930-3	1.836-3	1.723-3	1.430-3
99	123	7.873-4	7.658-4	7.311-4	7.163-4	6.996-4	6.569-4	5.712-4	5.297-4	4.836-4	3.801-4
99	124	2.984-3	2.975-3	2.957-3	2.945-3	2.928-3	2.873-3	2.736-3	2.662-3	2.574-3	2.301-3
99	125	2.232-3	2.229-3	2.211-3	2.199-3	2.182-3	2.129-3	1.997-3	1.926-3	1.842-3	1.606-3
100	101	1.414-2	1.398-2	1.376-2	1.370-2	1.363-2	1.340-2	1.274-2	1.239-2	1.198-2	1.074-2
100	102	1.004-2	9.944-3	9.647-3	9.473-3	9.252-3	8.626-3	7.359-3	6.792-3	6.211-3	5.035-3
100	103	1.176-2	1.164-2	1.131-2	1.111-2	1.085-2	1.015-2	8.686-3	7.985-3	7.222-3	5.573-3
100	104	5.514-3	5.418-3	5.189-3	5.060-3	4.906-3	4.498-3	3.706-3	3.340-3	2.950-3	2.151-3
100	105	7.099-3	7.058-3	6.878-3	6.768-3	6.629-3	6.233-3	5.420-3	5.048-3	4.661-3	3.840-3
100	106	3.502-3	3.513-3	2.982-3	2.801-3	2.685-3	2.654-3	2.928-3	3.079-3	3.235-3	3.389-3
100	107	1.414-3	1.325-3	1.123-3	1.039-3	9.585-4	8.096-4	6.258-4	5.576-4	4.901-4	3.600-4
100	108	7.907-3	8.045-3	7.666-3	7.821-3	8.165-3	9.251-3	1.119-2	1.198-2	1.276-2	1.361-2
100	109	4.286-3	3.351-3	2.363-3	2.162-3	2.047-3	2.000-3	2.209-3	2.368-3	2.576-3	2.972-3
100	110	1.054-3	8.901-4	5.497-4	4.331-4	3.347-4	1.939-4	9.267-5	7.055-5	5.383-5	3.131-5
100	111	3.845-3	3.217-3	2.768-3	2.784-3	2.874-3	3.192-3	3.824-3	4.154-3	4.554-3	5.277-3
100	112	9.779-4	7.836-4	5.425-4	4.801-4	4.334-4	3.781-4	3.591-4	3.643-4	3.750-4	3.914-4
100	113	1.153-3	1.014-3	7.695-4	6.704-4	5.813-4	4.494-4	3.658-4	3.556-4	3.536-4	3.524-4
100	114	1.156-3	1.055-3	9.412-4	9.083-4	8.795-4	8.276-4	7.510-4	7.159-4	6.763-4	5.755-4
100	115	4.295-4	3.310-4	2.304-4	2.037-4	1.821-4	1.493-4	1.158-4	1.041-4	9.230-5	6.871-5
100	116	4.664-3	4.582-3	4.461-3	4.408-3	4.347-3	4.178-3	3.788-3	3.574-3	3.320-3	2.685-3
100	117	6.715-3	6.627-3	6.526-3	6.488-3	6.445-3	6.328-3	6.065-3	5.927-3	5.763-3	5.223-3
100	118	1.570-3	1.542-3	1.505-3	1.492-3	1.478-3	1.446-3	1.383-3	1.352-3	1.314-3	1.193-3
100	119	4.440-3	4.408-3	4.356-3	4.329-3	4.297-3	4.200-3	3.984-3	3.876-3	3.752-3	3.377-3
100	120	5.372-4	4.861-4	3.327-4	2.769-4	2.294-4	1.620-4	1.171-4	1.092-4	1.044-4	9.744-5
100	121	3.762-3	3.751-3	3.718-3	3.698-3	3.672-3	3.593-3	3.396-3	3.286-3	3.153-3	2.766-3
100	122	7.695-4	7.575-4	7.392-4	7.312-4	7.219-4	6.964-4	6.386-4	6.078-4	5.717-4	4.792-4
100	123	9.400-4	9.295-4	9.059-4	8.949-4	8.819-4	8.472-4	7.733-4	7.361-4	6.937-4	5.873-4
100	124	2.812-3	2.808-3	2.792-3	2.780-3	2.764-3	2.714-3	2.593-3	2.529-3	2.453-3	2.213-3
100	125	1.013-3	1.011-3	1.002-3	9.953-4	9.865-4	9.588-4	8.918-4	8.563-4	8.148-4	7.032-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
101	102	4.175-3	4.120-3	3.962-3	3.867-3	3.746-3	3.409-3	2.738-3	2.434-3	2.115-3	1.487-3
101	103	4.362-3	4.338-3	4.246-3	4.196-3	4.134-3	3.960-3	3.595-3	3.427-3	3.256-3	2.865-3
101	104	4.678-3	5.451-3	4.742-3	4.238-3	3.742-3	2.893-3	2.048-3	1.785-3	1.541-3	1.102-3
101	105	3.671-3	3.620-3	3.482-3	3.403-3	3.305-3	3.038-3	2.506-3	2.259-3	1.998-3	1.464-3
101	106	1.397-3	1.302-3	8.941-4	7.225-4	5.688-4	3.375-4	1.675-4	1.314-4	1.051-4	7.094-5
101	107	4.131-3	3.688-3	2.705-3	2.310-3	1.952-3	1.396-3	9.393-4	8.240-4	7.281-4	5.672-4
101	108	1.075-3	1.069-3	7.685-4	6.334-4	5.110-4	3.230-4	1.750-4	1.396-4	1.113-4	6.979-5
101	109	5.778-4	4.967-4	3.129-4	2.475-4	1.916-4	1.107-4	5.237-5	3.977-5	3.036-5	1.795-5
101	110	2.827-4	2.388-4	1.481-4	1.170-4	9.051-5	5.246-5	2.510-5	1.918-5	1.475-5	8.853-6
101	111	5.360-4	4.492-4	2.749-4	2.163-4	1.670-4	9.662-5	4.634-5	3.552-5	2.743-5	1.671-5
101	112	4.049-4	3.292-4	2.434-4	2.237-4	2.100-4	1.967-4	1.993-4	2.053-4	2.138-4	2.267-4
101	113	2.703-3	2.978-3	3.779-3	4.126-3	4.465-3	5.097-3	5.960-3	6.346-3	6.779-3	7.422-3
101	114	2.461-4	2.042-4	1.624-4	1.512-4	1.418-4	1.266-4	1.075-4	9.954-5	9.086-5	7.130-5
101	115	9.114-5	6.356-5	3.783-5	3.115-5	2.583-5	1.827-5	1.195-5	1.015-5	8.550-6	5.813-6
101	116	4.082-3	4.076-3	4.048-3	4.029-3	4.004-3	3.929-3	3.746-3	3.649-3	3.533-3	3.171-3
101	117	3.369-3	3.363-3	3.351-3	3.343-3	3.331-3	3.288-3	3.175-3	3.113-3	3.040-3	2.779-3
101	118	1.860-3	1.847-3	1.812-3	1.793-3	1.768-3	1.697-3	1.527-3	1.434-3	1.325-3	1.060-3
101	119	4.343-4	4.272-4	3.954-4	3.796-4	3.627-4	3.257-4	2.647-4	2.382-4	2.103-4	1.537-4
101	120	5.057-3	5.895-3	7.248-3	7.748-3	8.217-3	9.095-3	1.037-2	1.097-2	1.163-2	1.256-2
101	121	6.708-4	6.653-4	6.429-4	6.323-4	6.207-4	5.926-4	5.339-4	5.028-4	4.660-4	3.750-4
101	122	5.815-4	5.781-4	5.689-4	5.645-4	5.594-4	5.454-4	5.126-4	4.947-4	4.729-4	4.110-4
101	123	2.497-4	2.437-4	2.319-4	2.271-4	2.218-4	2.090-4	1.843-4	1.726-4	1.599-4	1.308-4
101	124	1.716-3	1.711-3	1.691-3	1.678-3	1.660-3	1.606-3	1.477-3	1.410-3	1.334-3	1.139-3
101	125	5.934-4	5.923-4	5.871-4	5.837-4	5.791-4	5.651-4	5.322-4	5.153-4	4.959-4	4.404-4
102	103	3.086-2	3.095-2	3.074-2	3.066-2	3.056-2	3.012-2	2.870-2	2.793-2	2.704-2	2.434-2
102	104	2.325-3	2.310-3	2.196-3	2.122-3	2.037-3	1.845-3	1.575-3	1.481-3	1.396-3	1.230-3
102	105	1.986-2	1.998-2	1.986-2	1.979-2	1.970-2	1.938-2	1.859-2	1.823-2	1.784-2	1.651-2
102	106	2.653-3	2.226-3	1.497-3	1.231-3	9.969-4	6.413-4	3.594-4	2.905-4	2.345-4	1.500-4
102	107	2.057-3	1.626-3	1.200-3	1.043-3	8.937-4	6.453-4	4.246-4	3.682-4	3.229-4	2.531-4
102	108	5.991-3	5.438-3	4.101-3	3.675-3	3.346-3	2.973-3	2.891-3	2.917-3	2.950-3	2.906-3
102	109	7.760-3	7.171-3	5.704-3	5.300-3	5.034-3	4.877-3	5.235-3	5.471-3	5.727-3	5.981-3
102	110	2.417-2	1.975-2	1.628-2	1.610-2	1.641-2	1.798-2	2.125-2	2.267-2	2.410-2	2.564-2
102	111	1.445-3	1.298-3	9.451-4	8.195-4	7.126-4	5.615-4	4.666-4	4.534-4	4.482-4	4.362-4
102	112	2.476-3	2.027-3	1.283-3	1.050-3	8.578-4	5.822-4	3.681-4	3.141-4	2.689-4	1.957-4
102	113	6.326-4	5.086-4	3.268-4	2.616-4	2.046-4	1.200-4	5.801-5	4.478-5	3.507-5	2.250-5
102	114	1.123-2	1.065-2	1.002-2	9.822-3	9.635-3	9.232-3	8.489-3	8.125-3	7.708-3	6.621-3
102	115	2.431-2	2.395-2	2.338-2	2.314-2	2.288-2	2.218-2	2.068-2	1.992-2	1.904-2	1.666-2
102	116	2.632-3	2.529-3	2.420-3	2.391-3	2.365-3	2.316-3	2.236-3	2.203-3	2.167-3	2.024-3
102	117	2.097-3	1.923-3	1.724-3	1.665-3	1.613-3	1.515-3	1.375-3	1.318-3	1.259-3	1.112-3
102	118	6.546-4	5.824-4	4.847-4	4.548-4	4.283-4	3.817-4	3.218-4	2.988-4	2.758-4	2.271-4
102	119	6.825-3	6.659-3	6.400-3	6.299-3	6.190-3	5.927-3	5.414-3	5.169-3	4.895-3	4.205-3
102	120	1.107-3	9.949-4	6.465-4	5.149-4	4.012-4	2.351-4	1.135-4	8.669-5	6.638-5	3.892-5
102	121	7.268-4	6.697-4	6.002-4	5.774-4	5.555-4	5.095-4	4.325-4	3.977-4	3.603-4	2.795-4
102	122	4.588-3	4.522-3	4.446-3	4.416-3	4.381-3	4.286-3	4.082-3	3.980-3	3.861-3	3.489-3
102	123	8.804-3	8.744-3	8.648-3	8.599-3	8.537-3	8.352-3	7.911-3	7.673-3	7.388-3	6.540-3
102	124	4.118-3	4.098-3	4.083-3	4.077-3	4.070-3	4.050-3	4.012-3	3.997-3	3.979-3	3.794-3
102	125	9.744-3	9.743-3	9.714-3	9.690-3	9.657-3	9.544-3	9.260-3	9.108-3	8.921-3	8.207-3
103	104	9.779-3	9.840-3	9.823-3	9.820-3	9.814-3	9.746-3	9.476-3	9.333-3	9.169-3	8.530-3
103	105	8.534-3	8.570-3	8.415-3	8.340-3	8.265-3	8.091-3	7.771-3	7.631-3	7.479-3	6.934-3
103	106	3.045-3	2.574-3	1.705-3	1.387-3	1.109-3	6.940-4	3.810-4	3.097-4	2.542-4	1.741-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
103	107	3.417-3	3.178-3	2.877-3	2.765-3	2.662-3	2.487-3	2.317-3	2.270-3	2.232-3	2.109-3
103	108	5.089-3	4.521-3	3.207-3	2.744-3	2.356-3	1.831-3	1.527-3	1.479-3	1.448-3	1.367-3
103	109	1.121-2	1.004-2	8.953-3	9.101-3	9.508-3	1.083-2	1.321-2	1.418-2	1.513-2	1.616-2
103	110	7.024-2	5.779-2	5.397-2	5.725-2	6.217-2	7.463-2	9.373-2	1.011-1	1.083-1	1.162-1
103	111	1.983-3	1.693-3	1.102-3	8.962-4	7.200-4	4.624-4	2.689-4	2.243-4	1.892-4	1.368-4
103	112	4.330-3	4.463-3	5.027-3	5.347-3	5.690-3	6.395-3	7.459-3	7.965-3	8.552-3	9.481-3
103	113	1.282-3	1.106-3	7.508-4	6.099-4	4.846-4	2.975-4	1.626-4	1.350-4	1.156-4	9.059-5
103	114	7.397-3	7.158-3	6.901-3	6.833-3	6.773-3	6.656-3	6.455-3	6.364-3	6.260-3	5.834-3
103	115	1.192-2	1.184-2	1.181-2	1.180-2	1.179-2	1.172-2	1.148-2	1.135-2	1.120-2	1.048-2
103	116	2.485-3	2.372-3	2.244-3	2.205-3	2.169-3	2.095-3	1.963-3	1.900-3	1.826-3	1.617-3
103	117	1.478-3	1.299-3	1.108-3	1.054-3	1.008-3	9.273-4	8.172-4	7.708-4	7.212-4	6.051-4
103	118	1.822-3	1.746-3	1.663-3	1.638-3	1.616-3	1.573-3	1.506-3	1.479-3	1.450-3	1.344-3
103	119	7.453-3	7.343-3	7.162-3	7.087-3	7.004-3	6.794-3	6.358-3	6.137-3	5.881-3	5.168-3
103	120	1.876-3	1.663-3	1.067-3	8.590-4	6.843-4	4.373-4	2.674-4	2.338-4	2.105-4	1.790-4
103	121	2.216-3	2.189-3	2.161-3	2.156-3	2.152-3	2.148-3	2.142-3	2.140-3	2.137-3	2.048-3
103	122	3.183-3	3.123-3	3.049-3	3.018-3	2.981-3	2.879-3	2.640-3	2.509-3	2.354-3	1.956-3
103	123	5.960-3	5.917-3	5.828-3	5.781-3	5.723-3	5.551-3	5.132-3	4.898-3	4.618-3	3.878-3
103	124	3.065-3	3.046-3	3.011-3	2.991-3	2.964-3	2.880-3	2.664-3	2.544-3	2.399-3	2.016-3
103	125	5.856-3	5.849-3	5.813-3	5.788-3	5.753-3	5.640-3	5.362-3	5.213-3	5.035-3	4.491-3
104	105	1.224-2	1.237-2	1.239-2	1.241-2	1.245-2	1.249-2	1.232-2	1.219-2	1.202-2	1.122-2
104	106	2.356-3	2.475-3	2.359-3	2.420-3	2.581-3	3.184-3	4.259-3	4.586-3	4.837-3	4.969-3
104	107	5.053-2	4.235-2	2.882-2	2.390-2	1.958-2	1.312-2	8.217-3	7.097-3	6.220-3	4.856-3
104	108	2.405-3	2.181-3	1.489-3	1.218-3	9.806-4	6.278-4	3.738-4	3.220-4	2.855-4	2.364-4
104	109	1.802-3	1.569-3	1.023-3	8.198-4	6.418-4	3.780-4	1.850-4	1.437-4	1.132-4	7.337-5
104	110	9.019-4	8.144-4	5.478-4	4.420-4	3.480-4	2.072-4	1.036-4	8.165-5	6.563-5	4.483-5
104	111	3.608-3	2.994-3	2.614-3	2.670-3	2.804-3	3.218-3	3.928-3	4.211-3	4.486-3	4.779-3
104	112	5.205-3	5.196-3	5.865-3	6.289-3	6.746-3	7.684-3	9.080-3	9.730-3	1.048-2	1.166-2
104	113	4.888-2	5.574-2	7.519-2	8.377-2	9.215-2	1.078-1	1.290-1	1.384-1	1.490-1	1.655-1
104	114	1.136-3	1.005-3	8.252-4	7.700-4	7.222-4	6.418-4	5.409-4	4.991-4	4.541-4	3.541-4
104	115	4.883-4	3.885-4	2.407-4	1.936-4	1.542-4	9.770-5	5.539-5	4.551-5	3.771-5	2.627-5
104	116	8.687-4	8.103-4	7.363-4	7.131-4	6.919-4	6.506-4	5.836-4	5.518-4	5.159-4	4.280-4
104	117	1.254-3	1.195-3	1.123-3	1.102-3	1.085-3	1.058-3	1.021-3	1.005-3	9.873-4	9.161-4
104	118	2.674-4	2.293-4	1.685-4	1.501-4	1.349-4	1.123-4	9.104-5	8.374-5	7.629-5	6.015-5
104	119	5.520-4	4.579-4	3.401-4	3.046-4	2.745-4	2.269-4	1.787-4	1.635-4	1.496-4	1.235-4
104	120	6.745-2	7.916-2	9.908-2	1.066-1	1.136-1	1.267-1	1.457-1	1.545-1	1.644-1	1.786-1
104	121	1.342-3	1.281-3	1.170-3	1.132-3	1.097-3	1.030-3	9.209-4	8.675-4	8.057-4	6.537-4
104	122	2.956-3	2.926-3	2.875-3	2.852-3	2.826-3	2.752-3	2.577-3	2.481-3	2.366-3	2.043-3
104	123	3.787-3	3.723-3	3.618-3	3.577-3	3.531-3	3.417-3	3.183-3	3.065-3	2.931-3	2.566-3
104	124	7.861-3	7.873-3	7.876-3	7.876-3	7.874-3	7.859-3	7.816-3	7.799-3	7.772-3	7.419-3
104	125	6.910-3	6.910-3	6.890-3	6.878-3	6.861-3	6.805-3	6.675-3	6.615-3	6.544-3	6.164-3
105	106	2.030-3	1.829-3	1.353-3	1.184-3	1.050-3	9.166-4	9.383-4	9.611-4	9.792-4	9.668-4
105	107	5.703-3	5.593-3	5.066-3	4.884-3	4.733-3	4.511-3	4.318-3	4.277-3	4.259-3	4.156-3
105	108	1.530-3	1.475-3	1.132-3	9.802-4	8.436-4	6.421-4	5.089-4	4.843-4	4.676-4	4.341-4
105	109	7.737-3	7.173-3	6.083-3	5.917-3	5.910-3	6.293-3	7.361-3	7.838-3	8.313-3	8.813-3
105	110	1.049-3	9.165-4	5.947-4	4.753-4	3.715-4	2.184-4	1.052-4	8.013-5	6.112-5	3.543-5
105	111	1.242-2	1.039-2	9.691-3	1.021-2	1.102-2	1.311-2	1.637-2	1.763-2	1.884-2	2.014-2
105	112	5.931-3	5.747-3	5.863-3	6.063-3	6.317-3	6.929-3	8.004-3	8.546-3	9.181-3	1.020-2
105	113	7.292-4	6.332-4	5.566-4	5.433-4	5.370-4	5.409-4	5.772-4	6.019-4	6.331-4	6.805-4
105	114	3.427-3	3.064-3	2.451-3	2.272-3	2.129-3	1.931-3	1.783-3	1.747-3	1.716-3	1.608-3
105	115	1.792-3	1.459-3	9.895-4	8.559-4	7.482-4	5.942-4	4.605-4	4.185-4	3.772-4	2.922-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
105	116	5.815-4	4.639-4	3.062-4	2.621-4	2.267-4	1.770-4	1.363-4	1.247-4	1.140-4	9.261-5
105	117	1.229-3	1.047-3	8.288-4	7.689-4	7.198-4	6.432-4	5.563-4	5.222-4	4.860-4	4.020-4
105	118	1.729-3	1.665-3	1.571-3	1.546-3	1.525-3	1.491-3	1.443-3	1.421-3	1.396-3	1.293-3
105	119	8.670-4	7.138-4	5.166-4	4.609-4	4.145-4	3.410-4	2.614-4	2.335-4	2.065-4	1.552-4
105	120	1.495-3	1.443-3	1.323-3	1.290-3	1.270-3	1.263-3	1.328-3	1.377-3	1.438-3	1.520-3
105	121	2.970-3	2.908-3	2.859-3	2.848-3	2.837-3	2.812-3	2.758-3	2.732-3	2.701-3	2.538-3
105	122	6.949-3	6.793-3	6.674-3	6.638-3	6.601-3	6.502-3	6.280-3	6.165-3	6.027-3	5.527-3
105	123	1.530-2	1.525-2	1.518-2	1.512-2	1.505-2	1.478-2	1.405-2	1.365-2	1.315-2	1.164-2
105	124	4.291-4	4.007-4	3.785-4	3.714-4	3.638-4	3.452-4	3.092-4	2.925-4	2.744-4	2.316-4
105	125	2.541-3	2.535-3	2.509-3	2.492-3	2.468-3	2.395-3	2.228-3	2.144-3	2.051-3	1.799-3
106	107	4.906-3	4.779-3	3.802-3	3.547-3	3.443-3	3.710-3	4.596-3	4.852-3	5.017-3	4.977-3
106	108	8.512-2	8.380-2	6.160-2	5.237-2	4.419-2	3.177-2	2.156-2	1.884-2	1.647-2	1.230-2
106	109	8.395-2	7.327-2	5.616-2	5.101-2	4.683-2	4.095-2	3.658-2	3.568-2	3.515-2	3.395-2
106	110	9.035-2	8.221-2	7.411-2	7.246-2	7.139-2	7.016-2	6.926-2	6.927-2	6.963-2	6.908-2
106	111	4.491-2	4.084-2	2.686-2	2.184-2	1.757-2	1.142-2	6.868-3	5.834-3	5.032-3	3.840-3
106	112	3.948-2	3.365-2	2.464-2	2.187-2	1.959-2	1.627-2	1.351-2	1.275-2	1.209-2	1.068-2
106	113	7.602-3	6.906-3	6.032-3	5.778-3	5.567-3	5.247-3	4.939-3	4.844-3	4.751-3	4.428-3
106	114	1.079-2	9.166-3	7.664-3	7.271-3	6.944-3	6.410-3	5.796-3	5.581-3	5.374-3	4.854-3
106	115	1.072-2	9.707-3	8.834-3	8.619-3	8.447-3	8.196-3	8.004-3	7.982-3	7.985-3	7.759-3
106	116	2.109-1	2.529-1	3.413-1	3.770-1	4.110-1	4.738-1	5.598-1	5.987-1	6.428-1	7.104-1
106	117	1.824-1	2.166-1	2.918-1	3.223-1	3.513-1	4.048-1	4.782-1	5.113-1	5.488-1	6.059-1
106	118	7.727-2	9.289-2	1.242-1	1.366-1	1.484-1	1.701-1	1.999-1	2.135-1	2.289-1	2.524-1
106	119	5.431-3	5.158-3	4.778-3	4.632-3	4.474-3	4.086-3	3.346-3	3.004-3	2.641-3	1.902-3
106	120	3.645-3	3.533-3	2.953-3	2.744-3	2.565-3	2.293-3	2.042-3	1.965-3	1.892-3	1.704-3
106	121	9.176-2	1.044-1	1.259-1	1.340-1	1.417-1	1.562-1	1.778-1	1.882-1	2.000-1	2.170-1
106	122	1.986-2	2.054-2	2.286-2	2.379-2	2.469-2	2.639-2	2.900-2	3.029-2	3.178-2	3.372-2
106	123	6.328-2	6.362-2	7.103-2	7.417-2	7.721-2	8.320-2	9.288-2	9.765-2	1.031-1	1.105-1
106	124	3.532-3	3.565-3	3.623-3	3.655-3	3.695-3	3.814-3	4.104-3	4.270-3	4.464-3	4.699-3
106	125	3.198-3	3.213-3	3.252-3	3.275-3	3.305-3	3.399-3	3.636-3	3.771-3	3.930-3	4.114-3
107	108	5.257-3	4.474-3	2.964-3	2.389-3	1.878-3	1.106-3	5.356-4	4.152-4	3.281-4	2.177-4
107	109	3.309-3	2.996-3	2.022-3	1.626-3	1.273-3	7.422-4	3.500-4	2.661-4	2.044-4	1.250-4
107	110	2.400-3	2.111-3	1.396-3	1.123-3	8.820-4	5.198-4	2.488-4	1.891-4	1.442-4	8.449-5
107	111	1.200-2	9.745-3	8.608-3	9.008-3	9.758-3	1.199-2	1.561-2	1.684-2	1.791-2	1.880-2
107	112	2.230-2	2.272-2	2.730-2	2.986-2	3.254-2	3.794-2	4.596-2	4.975-2	5.417-2	6.162-2
107	113	1.732-1	1.953-1	2.640-1	2.951-1	3.258-1	3.840-1	4.651-1	5.022-1	5.449-1	6.152-1
107	114	1.504-3	1.320-3	9.878-4	8.751-4	7.778-4	6.281-4	4.871-4	4.413-4	3.964-4	3.048-4
107	115	1.462-3	1.174-3	7.474-4	6.045-4	4.827-4	3.040-4	1.671-4	1.344-4	1.081-4	6.895-5
107	116	1.720-3	1.651-3	1.563-3	1.537-3	1.515-3	1.477-3	1.432-3	1.416-3	1.401-3	1.328-3
107	117	1.334-3	1.188-3	9.763-4	9.101-4	8.540-4	7.674-4	6.835-4	6.571-4	6.323-4	5.709-4
107	118	3.917-4	3.461-4	2.651-4	2.368-4	2.121-4	1.735-4	1.364-4	1.243-4	1.124-4	8.795-5
107	119	8.206-4	7.180-4	4.787-4	3.945-4	3.227-4	2.176-4	1.374-4	1.188-4	1.043-4	8.256-5
107	120	4.220-1	4.982-1	6.298-1	6.797-1	7.268-1	8.154-1	9.451-1	1.006-0	1.075-0	1.179-0
107	121	1.857-3	1.668-3	1.186-3	1.028-3	8.961-4	7.064-4	5.539-4	5.126-4	4.754-4	3.995-4
107	122	3.099-3	2.986-3	2.815-3	2.764-3	2.720-3	2.643-3	2.536-3	2.491-3	2.440-3	2.255-3
107	123	4.430-3	4.018-3	3.545-3	3.419-3	3.317-3	3.158-3	2.982-3	2.917-3	2.850-3	2.626-3
107	124	2.966-2	2.968-2	2.966-2	2.963-2	2.959-2	2.944-2	2.908-2	2.892-2	2.874-2	2.730-2
107	125	5.184-2	5.186-2	5.180-2	5.175-2	5.169-2	5.145-2	5.090-2	5.066-2	5.037-2	4.792-2
108	109	1.399-1	1.217-1	9.219-2	8.321-2	7.591-2	6.573-2	5.854-2	5.736-2	5.707-2	5.698-2
108	110	1.585-1	1.299-1	9.335-2	8.302-2	7.479-2	6.340-2	5.502-2	5.329-2	5.229-2	5.063-2
108	111	5.316-2	4.223-2	2.940-2	2.602-2	2.341-2	1.996-2	1.765-2	1.725-2	1.709-2	1.685-2

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
108	112	5.727-2	5.642-2	5.499-2	5.462-2	5.433-2	5.382-2	5.301-2	5.274-2	5.248-2	5.029-2
108	113	1.779-2	1.664-2	1.557-2	1.529-2	1.506-2	1.470-2	1.433-2	1.421-2	1.409-2	1.339-2
108	114	1.903-2	1.678-2	1.564-2	1.557-2	1.559-2	1.570-2	1.599-2	1.620-2	1.651-2	1.671-2
108	115	1.699-2	1.481-2	1.290-2	1.238-2	1.191-2	1.099-2	9.605-3	9.028-3	8.438-3	7.129-3
108	116	6.393-2	7.509-2	9.930-2	1.091-1	1.185-1	1.359-1	1.596-1	1.706-1	1.831-1	2.029-1
108	117	1.936-1	2.309-1	3.112-1	3.437-1	3.746-1	4.316-1	5.099-1	5.458-1	5.869-1	6.513-1
108	118	3.192-3	2.677-3	2.233-3	2.118-3	2.019-3	1.844-3	1.604-3	1.508-3	1.412-3	1.200-3
108	119	6.282-1	7.461-1	9.893-1	1.085-0	1.175-0	1.340-0	1.571-0	1.677-0	1.798-0	1.983-0
108	120	8.579-3	8.779-3	7.333-3	6.732-3	6.210-3	5.437-3	4.840-3	4.697-3	4.579-3	4.246-3
108	121	2.202-3	2.097-3	1.977-3	1.936-3	1.895-3	1.803-3	1.647-3	1.582-3	1.516-3	1.351-3
108	122	1.118-2	1.137-2	1.214-2	1.247-2	1.278-2	1.340-2	1.440-2	1.492-2	1.554-2	1.629-2
108	123	5.026-2	5.016-2	5.500-2	5.712-2	5.919-2	6.330-2	7.000-2	7.338-2	7.730-2	8.261-2
108	124	1.081-2	1.092-2	1.113-2	1.124-2	1.138-2	1.179-2	1.275-2	1.330-2	1.395-2	1.477-2
108	125	1.430-2	1.438-2	1.459-2	1.472-2	1.489-2	1.541-2	1.667-2	1.740-2	1.824-2	1.932-2
109	110	2.477-1	1.960-1	1.333-1	1.161-1	1.024-1	8.353-2	6.833-2	6.405-2	6.009-2	5.154-2
109	111	1.142-1	1.036-1	7.538-2	6.673-2	5.981-2	5.029-2	4.316-2	4.136-2	3.977-2	3.588-2
109	112	5.238-2	4.938-2	3.933-2	3.561-2	3.241-2	2.768-2	2.392-2	2.298-2	2.221-2	2.039-2
109	113	4.564-3	3.657-3	2.725-3	2.468-3	2.261-3	1.972-3	1.755-3	1.703-3	1.660-3	1.543-3
109	114	5.405-1	6.415-1	9.052-1	1.020-0	1.131-0	1.340-0	1.632-0	1.768-0	1.926-0	2.195-0
109	115	1.467-2	1.319-2	1.141-2	1.087-2	1.038-2	9.481-3	8.222-3	7.721-3	7.215-3	6.107-3
109	116	2.210-2	2.489-2	3.123-2	3.385-2	3.638-2	4.110-2	4.772-2	5.086-2	5.454-2	6.045-2
109	117	1.048-1	1.248-1	1.680-1	1.856-1	2.024-1	2.335-1	2.771-1	2.975-1	3.212-1	3.597-1
109	118	3.388-3	3.104-3	2.688-3	2.566-3	2.466-3	2.317-3	2.191-3	2.162-3	2.143-3	2.051-3
109	119	5.977-2	6.899-2	8.851-2	9.625-2	1.036-1	1.171-1	1.361-1	1.450-1	1.554-1	1.716-1
109	120	7.523-3	7.377-3	6.858-3	6.665-3	6.492-3	6.201-3	5.869-3	5.750-3	5.629-3	5.216-3
109	121	2.410-3	1.936-3	1.549-3	1.452-3	1.370-3	1.225-3	1.029-3	9.513-4	8.737-4	7.128-4
109	122	8.805-2	9.160-2	1.037-1	1.088-1	1.138-1	1.236-1	1.394-1	1.472-1	1.564-1	1.699-1
109	123	2.426-1	2.428-1	2.713-1	2.838-1	2.961-1	3.207-1	3.609-1	3.811-1	4.046-1	4.386-1
109	124	7.837-3	7.921-3	8.073-3	8.157-3	8.262-3	8.563-3	9.272-3	9.679-3	1.016-2	1.079-2
109	125	2.986-3	2.999-3	3.033-3	3.053-3	3.079-3	3.156-3	3.347-3	3.461-3	3.597-3	3.752-3
110	111	1.420-2	1.276-2	1.026-2	9.416-3	8.668-3	7.402-3	5.888-3	5.305-3	4.705-3	3.486-3
110	112	3.579-2	3.465-2	3.366-2	3.347-2	3.332-2	3.300-2	3.236-2	3.209-2	3.182-2	3.027-2
110	113	1.449-3	1.111-3	7.082-4	5.931-4	4.992-4	3.643-4	2.519-4	2.197-4	1.905-4	1.375-4
110	114	1.528-1	1.790-1	2.480-1	2.779-1	3.069-1	3.611-1	4.366-1	4.724-1	5.144-1	5.864-1
110	115	9.105-1	1.086-0	1.527-0	1.715-0	1.896-0	2.234-0	2.707-0	2.929-0	3.187-0	3.624-0
110	116	6.755-3	6.505-3	6.244-3	6.163-3	6.083-3	5.913-3	5.658-3	5.568-3	5.484-3	5.169-3
110	117	5.251-2	6.168-2	8.086-2	8.861-2	9.602-2	1.098-1	1.291-1	1.382-1	1.489-1	1.665-1
110	118	3.169-3	3.082-3	2.948-3	2.894-3	2.836-3	2.693-3	2.432-3	2.317-3	2.198-3	1.915-3
110	119	1.061-1	1.254-1	1.629-1	1.775-1	1.912-1	2.162-1	2.511-1	2.677-1	2.870-1	3.177-1
110	120	1.724-2	1.717-2	1.553-2	1.490-2	1.437-2	1.356-2	1.287-2	1.269-2	1.253-2	1.183-2
110	121	3.788-3	3.734-3	3.658-3	3.627-3	3.594-3	3.512-3	3.372-3	3.320-3	3.270-3	3.077-3
110	122	5.855-3	5.772-3	5.633-3	5.560-3	5.468-3	5.209-3	4.679-3	4.438-3	4.184-3	3.592-3
110	123	1.428-2	1.411-2	1.460-2	1.481-2	1.498-2	1.519-2	1.535-2	1.547-2	1.565-2	1.564-2
110	124	3.768-4	3.694-4	3.573-4	3.506-4	3.418-4	3.160-4	2.609-4	2.347-4	2.066-4	1.492-4
110	125	1.519-2	1.528-2	1.552-2	1.567-2	1.587-2	1.643-2	1.778-2	1.856-2	1.948-2	2.068-2
111	112	2.512-2	2.077-2	1.524-2	1.370-2	1.248-2	1.079-2	9.497-3	9.185-3	8.932-3	8.282-3
111	113	2.122-3	1.703-3	1.046-3	8.405-4	6.711-4	4.312-4	2.528-4	2.101-4	1.753-4	1.208-4
111	114	4.870-3	4.102-3	3.214-3	2.974-3	2.783-3	2.519-3	2.332-3	2.298-3	2.279-3	2.194-3
111	115	4.966-3	4.354-3	3.705-3	3.511-3	3.331-3	2.973-3	2.405-3	2.157-3	1.896-3	1.367-3
111	116	4.901-2	5.879-2	8.070-2	8.974-2	9.842-2	1.147-1	1.377-1	1.485-1	1.610-1	1.818-1

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
111	117	2.708-3	2.436-3	2.056-3	1.937-3	1.827-3	1.612-3	1.286-3	1.148-3	1.005-3	7.218-4
111	118	1.019-1	1.237-1	1.698-1	1.885-1	2.065-1	2.402-1	2.880-1	3.104-1	3.365-1	3.797-1
111	119	3.983-3	3.746-3	3.530-3	3.475-3	3.431-3	3.364-3	3.312-3	3.311-3	3.318-3	3.231-3
111	120	2.249-3	2.098-3	1.916-3	1.863-3	1.816-3	1.735-3	1.631-3	1.590-3	1.549-3	1.426-3
111	121	5.884-2	6.749-2	8.313-2	8.909-2	9.475-2	1.055-1	1.217-1	1.294-1	1.384-1	1.522-1
111	122	1.746-1	1.846-1	2.150-1	2.272-1	2.390-1	2.621-1	2.989-1	3.170-1	3.379-1	3.689-1
111	123	1.689-3	1.674-3	1.644-3	1.625-3	1.599-3	1.524-3	1.370-3	1.301-3	1.230-3	1.066-3
111	124	2.638-3	2.664-3	2.711-3	2.736-3	2.768-3	2.865-3	3.100-3	3.233-3	3.390-3	3.589-3
111	125	4.013-4	4.007-4	3.981-4	3.963-4	3.940-4	3.878-4	3.780-4	3.751-4	3.727-4	3.571-4
112	113	8.615-3	7.328-3	5.916-3	5.544-3	5.249-3	4.831-3	4.475-3	4.377-3	4.285-3	3.980-3
112	114	1.512-2	1.291-2	9.554-3	8.507-3	7.616-3	6.205-3	4.723-3	4.213-3	3.720-3	2.780-3
112	115	1.203-2	1.064-2	8.636-3	8.023-3	7.491-3	6.596-3	5.520-3	5.120-3	4.723-3	3.893-3
112	116	6.386-3	5.633-3	4.750-3	4.522-3	4.341-3	4.076-3	3.788-3	3.668-3	3.537-3	3.173-3
112	117	1.062-2	1.047-2	1.087-2	1.121-2	1.162-2	1.258-2	1.403-2	1.453-2	1.496-2	1.503-2
112	118	4.800-3	4.522-3	4.168-3	4.120-3	4.115-3	4.212-3	4.468-3	4.560-3	4.635-3	4.567-3
112	119	1.044-2	9.254-3	7.711-3	7.284-3	6.940-3	6.444-3	6.040-3	5.947-3	5.879-3	5.601-3
112	120	2.872-2	2.858-2	2.716-2	2.665-2	2.621-2	2.550-2	2.477-2	2.458-2	2.444-2	2.348-2
112	121	9.559-2	1.108-1	1.409-1	1.530-1	1.647-1	1.883-1	2.278-1	2.487-1	2.744-1	3.219-1
112	122	2.620-1	2.789-1	3.334-1	3.561-1	3.785-1	4.241-1	5.013-1	5.418-1	5.911-1	6.783-1
112	123	5.803-1	5.927-1	6.964-1	7.403-1	7.836-1	8.722-1	1.025-0	1.104-0	1.201-0	1.368-0
112	124	4.103-3	4.122-3	4.171-3	4.200-3	4.238-3	4.345-3	4.612-3	4.772-3	4.969-3	5.216-3
112	125	9.587-3	9.647-3	9.795-3	9.886-3	1.001-2	1.037-2	1.128-2	1.180-2	1.243-2	1.331-2
113	114	8.084-4	6.851-4	4.425-4	3.585-4	2.871-4	1.842-4	1.109-4	9.566-5	8.471-5	6.942-5
113	115	1.149-3	9.042-4	5.573-4	4.476-4	3.561-4	2.245-4	1.248-4	1.008-4	8.130-5	5.186-5
113	116	1.731-3	1.846-3	1.864-3	1.883-3	1.924-3	2.100-3	2.467-3	2.593-3	2.698-3	2.746-3
113	117	2.033-3	1.752-3	1.118-3	8.991-4	7.140-4	4.485-4	2.576-4	2.164-4	1.857-4	1.425-4
113	118	2.063-3	2.616-3	3.690-3	4.167-3	4.675-3	5.807-3	7.466-3	8.016-3	8.488-3	8.857-3
113	119	2.184-3	1.990-3	1.316-3	1.062-3	8.429-4	5.255-4	3.001-4	2.533-4	2.195-4	1.731-4
113	120	8.248-2	7.925-2	7.357-2	7.172-2	7.011-2	6.745-2	6.464-2	6.390-2	6.340-2	6.101-2
113	121	1.532-2	1.751-2	2.182-2	2.357-2	2.532-2	2.896-2	3.545-2	3.899-2	4.340-2	5.180-2
113	122	8.191-3	8.431-3	9.631-3	1.017-2	1.072-2	1.189-2	1.402-2	1.518-2	1.661-2	1.920-2
113	123	2.076-3	1.673-3	1.200-3	1.072-3	9.695-4	8.243-4	7.047-4	6.726-4	6.451-4	5.829-4
113	124	6.590-1	6.679-1	6.838-1	6.926-1	7.039-1	7.372-1	8.167-1	8.616-1	9.153-1	9.959-1
113	125	1.151-2	1.147-2	1.131-2	1.121-2	1.107-2	1.067-2	9.859-3	9.503-3	9.135-3	8.182-3
114	115	7.636-2	7.488-2	7.322-2	7.250-2	7.160-2	6.887-2	6.270-2	5.965-2	5.625-2	4.785-2
114	116	1.452-2	1.419-2	1.371-2	1.350-2	1.326-2	1.258-2	1.130-2	1.079-2	1.033-2	9.413-3
114	117	2.930-2	2.894-2	2.835-2	2.803-2	2.761-2	2.635-2	2.372-2	2.259-2	2.152-2	1.926-2
114	118	1.075-2	1.046-2	9.860-3	9.610-3	9.341-3	8.691-3	7.463-3	6.886-3	6.258-3	4.882-3
114	119	2.838-2	2.806-2	2.745-2	2.712-2	2.667-2	2.532-2	2.257-2	2.136-2	2.015-2	1.753-2
114	120	3.250-3	2.782-3	1.798-3	1.474-3	1.202-3	8.121-4	5.109-4	4.364-4	3.748-4	2.761-4
114	121	6.886-3	6.581-3	6.203-3	6.059-3	5.899-3	5.497-3	4.701-3	4.319-3	3.900-3	2.984-3
114	122	2.497-2	2.480-2	2.476-2	2.471-2	2.461-2	2.419-2	2.318-2	2.273-2	2.227-2	2.071-2
114	123	4.166-2	4.132-2	4.106-2	4.086-2	4.054-2	3.941-2	3.680-2	3.561-2	3.435-2	3.098-2
114	124	1.354-3	1.294-3	1.245-3	1.228-3	1.210-3	1.165-3	1.079-3	1.041-3	1.002-3	8.955-4
114	125	1.065-2	1.064-2	1.059-2	1.055-2	1.050-2	1.033-2	9.974-3	9.809-3	9.625-3	8.933-3
115	116	1.151-2	1.112-2	1.047-2	1.019-2	9.865-3	9.044-3	7.514-3	6.843-3	6.155-3	4.771-3
115	117	2.784-2	2.769-2	2.743-2	2.724-2	2.695-2	2.597-2	2.377-2	2.276-2	2.169-2	1.902-2
115	118	6.905-3	6.677-3	6.219-3	6.023-3	5.808-3	5.280-3	4.312-3	3.884-3	3.440-3	2.554-3
115	119	4.998-2	4.971-2	4.894-2	4.841-2	4.766-2	4.527-2	4.017-2	3.790-2	3.562-2	3.077-2
115	120	3.573-3	3.240-3	2.131-3	1.725-3	1.378-3	8.694-4	4.806-4	3.870-4	3.114-4	1.981-4

Table 3: Effective collision strengths for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)									
i	j	5.00	5.30	5.70	5.85	6.00	6.30	6.70	6.85	7.00	7.30
115	121	6.303-3	6.136-3	5.838-3	5.698-3	5.533-3	5.099-3	4.269-3	3.903-3	3.526-3	2.763-3
115	122	1.686-2	1.655-2	1.599-2	1.569-2	1.531-2	1.425-2	1.202-2	1.097-2	9.841-3	7.453-3
115	123	2.499-2	2.469-2	2.407-2	2.372-2	2.326-2	2.194-2	1.916-2	1.785-2	1.644-2	1.331-2
115	124	1.476-3	1.412-3	1.346-3	1.317-3	1.284-3	1.191-3	9.996-4	9.079-4	8.085-4	5.992-4
115	125	2.093-2	2.094-2	2.091-2	2.088-2	2.084-2	2.070-2	2.043-2	2.033-2	2.021-2	1.928-2
116	117	2.492-2	2.415-2	2.316-2	2.275-2	2.228-2	2.101-2	1.834-2	1.705-2	1.563-2	1.244-2
116	118	7.041-3	6.821-3	6.490-3	6.353-3	6.198-3	5.796-3	4.992-3	4.607-3	4.186-3	3.261-3
116	119	2.673-2	2.666-2	2.648-2	2.633-2	2.609-2	2.525-2	2.335-2	2.249-2	2.163-2	1.959-2
116	120	1.412-3	1.339-3	1.082-3	9.840-4	8.972-4	7.608-4	6.344-4	5.973-4	5.639-4	4.935-4
116	121	1.295-2	1.304-2	1.316-2	1.319-2	1.318-2	1.307-2	1.272-2	1.257-2	1.245-2	1.189-2
116	122	1.163-2	1.156-2	1.140-2	1.129-2	1.113-2	1.063-2	9.540-3	9.034-3	8.505-3	7.294-3
116	123	1.278-2	1.266-2	1.247-2	1.234-2	1.215-2	1.158-2	1.036-2	9.802-3	9.224-3	7.913-3
116	124	4.867-3	4.843-3	4.790-3	4.758-3	4.714-3	4.583-3	4.296-3	4.160-3	4.010-3	3.592-3
116	125	1.924-3	1.910-3	1.867-3	1.838-3	1.800-3	1.687-3	1.450-3	1.340-3	1.223-3	9.734-4
117	118	1.716-2	1.715-2	1.716-2	1.714-2	1.706-2	1.671-2	1.579-2	1.532-2	1.479-2	1.321-2
117	119	3.980-2	3.965-2	3.932-2	3.906-2	3.867-2	3.736-2	3.435-2	3.295-2	3.154-2	2.825-2
117	120	3.398-3	3.666-3	4.051-3	4.243-3	4.467-3	5.039-3	5.987-3	6.316-3	6.601-3	6.772-3
117	121	1.597-2	1.613-2	1.638-2	1.646-2	1.650-2	1.649-2	1.634-2	1.632-2	1.635-2	1.597-2
117	122	9.891-3	9.764-3	9.471-3	9.295-3	9.066-3	8.402-3	7.014-3	6.363-3	5.671-3	4.241-3
117	123	1.833-2	1.815-2	1.770-2	1.741-2	1.704-2	1.591-2	1.355-2	1.246-2	1.131-2	8.889-3
117	124	8.173-3	8.164-3	8.126-3	8.099-3	8.060-3	7.940-3	7.681-3	7.564-3	7.433-3	6.923-3
117	125	2.662-3	2.646-3	2.592-3	2.557-3	2.510-3	2.371-3	2.078-3	1.940-3	1.794-3	1.470-3
118	119	5.080-3	4.898-3	4.617-3	4.495-3	4.357-3	4.004-3	3.329-3	3.025-3	2.707-3	2.058-3
118	120	7.755-4	7.602-4	6.838-4	6.643-4	6.558-4	6.768-4	7.646-4	8.012-4	8.350-4	8.577-4
118	121	2.959-3	2.814-3	2.639-3	2.573-3	2.500-3	2.316-3	1.956-3	1.785-3	1.600-3	1.205-3
118	122	2.207-2	2.213-2	2.236-2	2.242-2	2.245-2	2.234-2	2.196-2	2.183-2	2.172-2	2.088-2
118	123	8.198-3	8.136-3	8.092-3	8.057-3	8.001-3	7.805-3	7.383-3	7.207-3	7.034-3	6.517-3
118	124	1.050-3	1.046-3	1.034-3	1.026-3	1.016-3	9.844-4	9.158-4	8.821-4	8.448-4	7.459-4
118	125	1.209-3	1.207-3	1.197-3	1.189-3	1.180-3	1.151-3	1.089-3	1.059-3	1.028-3	9.334-4
119	120	2.307-3	2.135-3	1.443-3	1.189-3	9.727-4	6.609-4	4.363-4	3.882-4	3.528-4	2.988-4
119	121	5.466-3	5.265-3	4.968-3	4.839-3	4.692-3	4.313-3	3.592-3	3.267-3	2.927-3	2.234-3
119	122	8.832-3	8.682-3	8.413-3	8.269-3	8.088-3	7.586-3	6.619-3	6.204-3	5.787-3	4.897-3
119	123	2.927-2	2.901-2	2.885-2	2.873-2	2.853-2	2.783-2	2.629-2	2.563-2	2.498-2	2.310-2
119	124	1.717-2	1.719-2	1.717-2	1.714-2	1.711-2	1.697-2	1.667-2	1.655-2	1.641-2	1.554-2
119	125	3.946-3	3.942-3	3.925-3	3.911-3	3.892-3	3.828-3	3.682-3	3.613-3	3.536-3	3.263-3
120	121	9.270-3	1.007-2	1.163-2	1.265-2	1.398-2	1.776-2	2.379-2	2.545-2	2.662-2	2.693-2
120	122	8.916-3	8.598-3	8.911-3	9.227-3	9.638-3	1.079-2	1.290-2	1.371-2	1.446-2	1.510-2
120	123	1.043-2	8.361-3	6.519-3	6.136-3	5.897-3	5.790-3	6.191-3	6.419-3	6.654-3	6.818-3
120	124	1.703-1	1.720-1	1.761-1	1.785-1	1.816-1	1.908-1	2.126-1	2.253-1	2.411-1	2.669-1
120	125	1.268-0	1.280-0	1.310-0	1.329-0	1.354-0	1.428-0	1.607-0	1.711-0	1.839-0	2.052-0
121	122	5.302-3	5.232-3	5.095-3	5.016-3	4.914-3	4.614-3	3.979-3	3.677-3	3.355-3	2.664-3
121	123	1.562-2	1.546-2	1.536-2	1.531-2	1.522-2	1.489-2	1.415-2	1.383-2	1.354-2	1.267-2
121	124	6.754-3	6.763-3	6.765-3	6.762-3	6.754-3	6.722-3	6.658-3	6.642-3	6.629-3	6.375-3
121	125	4.619-3	4.620-3	4.611-3	4.604-3	4.593-3	4.558-3	4.486-3	4.459-3	4.432-3	4.227-3
122	123	2.351-2	2.332-2	2.332-2	2.329-2	2.321-2	2.284-2	2.185-2	2.135-2	2.077-2	1.886-2
122	124	4.201-3	4.175-3	4.129-3	4.101-3	4.063-3	3.948-3	3.708-3	3.601-3	3.489-3	3.170-3
122	125	8.292-3	8.272-3	8.198-3	8.147-3	8.078-3	7.874-3	7.455-3	7.270-3	7.076-3	6.484-3
123	124	4.934-3	4.800-3	4.663-3	4.606-3	4.538-3	4.355-3	3.998-3	3.841-3	3.677-3	3.261-3
123	125	1.616-2	1.613-2	1.604-2	1.597-2	1.587-2	1.555-2	1.489-2	1.460-2	1.430-2	1.326-2
124	125	6.232-2	6.199-2	6.097-2	6.030-2	5.940-2	5.671-2	5.120-2	4.873-2	4.613-2	3.990-2

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
1	2	1.981−02	1.601−02	1.425−02	1.272−02	1.121−02	8.864−03	8.477−03	8.358−03
1	3	2.691−02	3.170−02	3.372−02	3.575−02	4.030−02	4.637−02	4.960−02	5.317−02
1	4	2.269−03	1.871−03	1.731−03	1.605−03	1.429−03	1.314−03	1.328−03	1.363−03
1	5	2.242−03	1.552−03	1.296−03	1.061−03	6.725−04	3.138−04	2.260−04	1.556−04
1	6	1.940−01	2.320−01	2.487−01	2.659−01	3.043−01	3.574−01	3.845−01	4.148−01
1	7	1.690−01	2.022−01	2.169−01	2.319−01	2.657−01	3.125−01	3.364−01	3.631−01
1	8	3.685−04	2.552−04	2.133−04	1.746−04	1.110−04	5.206−05	3.765−05	2.613−05
1	9	5.382−04	6.129−04	6.490−04	6.895−04	7.830−04	9.372−04	1.008−03	1.089−03
1	10	1.082−02	1.263−02	1.347−02	1.440−02	1.650−02	1.989−02	2.141−02	2.317−02
1	11	4.389−04	3.823−04	3.512−04	3.248−04	3.086−04	2.697−04	2.656−04	2.680−04
1	12	3.230−04	2.919−04	2.718−04	2.549−04	2.494−04	2.242−04	2.227−04	2.260−04
1	13	2.452−04	2.173−04	2.012−04	1.876−04	1.811−04	1.611−04	1.595−04	1.616−04
1	14	1.311−04	1.246−04	1.216−04	1.184−04	1.150−04	1.161−04	1.198−04	1.233−04
1	15	4.455−06	3.708−06	3.360−06	3.059−06	2.776−06	2.362−06	2.304−06	2.304−06
1	16	6.257−04	7.857−04	8.895−04	1.021−03	1.374−03	2.037−03	2.355−03	2.728−03
1	17	5.266−03	5.276−03	5.288−03	5.307−03	5.376−03	5.586−03	5.728−03	5.915−03
1	18	1.981−03	1.794−03	1.755−03	1.735−03	1.726−03	1.789−03	1.836−03	1.911−03
1	19	9.086−04	8.752−04	8.659−04	8.588−04	8.541−04	8.754−04	8.961−04	9.242−04
1	20	3.448−04	2.512−04	2.208−04	1.941−04	1.515−04	1.183−04	1.123−04	1.099−04
1	21	3.278−02	4.218−02	4.723−02	5.320−02	6.812−02	9.498−02	1.077−01	1.224−01
1	22	2.884−03	2.314−03	2.150−03	2.023−03	1.835−03	1.748−03	1.756−03	1.805−03
1	23	1.592−02	1.682−02	1.717−02	1.753−02	1.828−02	1.954−02	2.020−02	2.099−02
1	24	9.709−04	1.337−03	1.546−03	1.799−03	2.446−03	3.635−03	4.199−03	4.858−03
1	25	1.416−03	2.010−03	2.350−03	2.764−03	3.821−03	5.764−03	6.682−03	7.758−03
1	26	2.442−03	3.531−03	4.141−03	4.877−03	6.744−03	1.016−02	1.178−02	1.367−02
1	27	1.113−03	1.602−03	1.875−03	2.206−03	3.040−03	4.562−03	5.282−03	6.121−03
1	28	2.907−03	4.434−03	5.268−03	6.267−03	8.771−03	1.331−02	1.546−02	1.795−02
1	29	2.045−05	1.512−05	1.336−05	1.181−05	9.400−06	7.549−06	7.247−06	7.132−06
1	30	4.114−04	2.754−04	2.275−04	1.841−04	1.138−04	5.171−05	3.734−05	2.637−05
1	31	5.067−03	7.762−03	9.239−03	1.101−02	1.545−02	2.351−02	2.731−02	3.173−02
1	32	1.084−03	9.798−04	9.536−04	9.357−04	9.214−04	9.472−04	9.723−04	1.008−03
1	33	3.015−05	2.245−05	2.000−05	1.789−05	1.459−05	1.223−05	1.198−05	1.206−05
1	34	1.036−03	7.453−04	6.479−04	5.617−04	4.257−04	3.166−04	2.965−04	2.854−04
1	35	3.264−03	3.552−03	3.701−03	3.867−03	4.211−03	4.715−03	4.932−03	5.185−03
1	36	5.923−04	3.908−04	3.220−04	2.602−04	1.603−04	7.372−05	5.406−05	3.949−05
1	37	2.842−04	1.863−04	1.529−04	1.229−04	7.421−05	3.195−05	2.224−05	1.501−05
1	38	1.136−03	7.444−04	6.102−04	4.899−04	2.947−04	1.250−04	8.597−05	5.683−05
1	39	2.764−05	3.944−05	4.609−05	5.415−05	7.463−05	1.123−04	1.301−04	1.509−04
1	40	1.556−05	1.042−05	8.604−06	6.951−06	4.270−06	1.894−06	1.339−06	9.114−07
1	41	8.220−03	1.003−02	1.082−02	1.164−02	1.321−02	1.525−02	1.605−02	1.695−02
1	42	1.202−02	1.461−02	1.575−02	1.692−02	1.919−02	2.214−02	2.329−02	2.460−02
1	43	6.446−08	3.981−08	3.191−08	2.504−08	1.407−08	5.168−09	3.252−09	1.960−09
1	44	4.610−04	4.883−04	4.994−04	5.105−04	5.342−04	5.738−04	5.943−04	6.185−04
1	45	4.613−04	5.504−04	5.901−04	6.315−04	7.122−04	8.190−04	8.613−04	9.094−04
1	46	5.251−05	8.166−05	9.758−05	1.166−04	1.642−04	2.504−04	2.910−04	3.382−04
1	47	2.354−07	2.513−07	2.586−07	2.664−07	2.817−07	3.052−07	3.159−07	3.289−07
1	48	1.406−04	2.060−04	2.418−04	2.845−04	3.918−04	5.869−04	6.790−04	7.863−04
1	49	7.125−05	1.122−04	1.346−04	1.615−04	2.285−04	3.500−04	4.070−04	4.735−04
1	50	2.722−08	1.705−08	1.376−08	1.088−08	6.201−09	2.388−09	1.567−09	9.900−10
1	51	8.047−05	9.588−05	1.028−04	1.100−04	1.241−04	1.427−04	1.500−04	1.584−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
1	52	1.421−05	9.248−06	7.564−06	6.059−06	3.625−06	1.520−06	1.040−06	6.858−07
1	53	2.629−05	3.136−05	3.362−05	3.596−05	4.053−05	4.658−05	4.897−05	5.169−05
1	54	3.338−07	2.447−07	2.149−07	1.885−07	1.446−07	1.044−07	9.332−08	8.610−08
1	55	1.068−04	1.610−04	1.913−04	2.278−04	3.200−04	4.881−04	5.674−04	6.599−04
1	56	3.320−05	2.599−05	2.362−05	2.158−05	1.877−05	1.730−05	1.743−05	1.783−05
1	57	2.239−05	1.856−05	1.723−05	1.604−05	1.420−05	1.289−05	1.278−05	1.285−05
1	58	1.659−04	2.027−04	2.188−04	2.354−04	2.674−04	3.091−04	3.254−04	3.437−04
1	59	3.126−04	3.801−04	4.098−04	4.405−04	4.996−04	5.769−04	6.072−04	6.414−04
1	60	4.386−05	3.051−05	2.577−05	2.147−05	1.450−05	8.376−06	6.974−06	5.966−06
1	61	1.474−05	9.700−06	7.973−06	6.422−06	3.907−06	1.720−06	1.216−06	8.416−07
1	62	7.891−05	1.218−04	1.462−04	1.759−04	2.513−04	3.897−04	4.552−04	5.316−04
1	63	4.230−06	2.822−06	2.343−06	1.915−06	1.230−06	6.491−07	5.185−07	4.245−07
1	64	1.222−04	1.737−04	2.023−04	2.366−04	3.237−04	4.838−04	5.599−04	6.484−04
1	65	4.943−06	5.865−06	6.532−06	7.416−06	9.877−06	1.475−05	1.713−05	1.993−05
1	66	2.102−05	1.679−05	1.546−05	1.435−05	1.263−05	1.158−05	1.162−05	1.192−05
1	67	1.113−04	1.642−04	1.931−04	2.277−04	3.146−04	4.729−04	5.478−04	6.350−04
1	68	3.026−06	2.030−06	1.688−06	1.380−06	8.851−07	4.595−07	3.635−07	2.939−07
1	69	1.521−04	1.549−04	1.580−04	1.619−04	1.715−04	1.880−04	1.958−04	2.052−04
1	70	1.125−04	7.365−05	6.038−05	4.848−05	2.920−05	1.246−05	8.617−06	5.762−06
1	71	1.265−04	1.876−04	2.212−04	2.614−04	3.624−04	5.468−04	6.340−04	7.356−04
1	72	2.963−04	3.491−04	3.730−04	3.981−04	4.473−04	5.132−04	5.393−04	5.692−04
1	73	2.506−04	3.057−04	3.361−04	3.725−04	4.649−04	6.333−04	7.137−04	8.066−04
1	74	2.641−05	1.766−05	1.464−05	1.192−05	7.513−06	3.694−06	2.818−06	2.168−06
1	75	3.836−06	2.547−06	2.108−06	1.716−06	1.084−06	5.416−07	4.191−07	3.304−07
1	76	3.550−04	4.159−04	4.439−04	4.735−04	5.314−04	6.093−04	6.402−04	6.756−04
1	77	6.646−05	7.631−05	8.098−05	8.596−05	9.576−05	1.093−04	1.149−04	1.214−04
1	78	2.352−04	2.719−04	2.891−04	3.074−04	3.435−04	3.929−04	4.126−04	4.353−04
1	79	4.221−05	3.310−05	3.035−05	2.812−05	2.474−05	2.274−05	2.264−05	2.309−05
1	80	4.003−05	4.366−05	4.554−05	4.761−05	5.187−05	5.816−05	6.095−05	6.420−05
1	81	8.934−06	7.000−06	6.350−06	5.780−06	4.896−06	4.260−06	4.186−06	4.196−06
1	82	1.953−06	1.543−06	1.400−06	1.270−06	1.067−06	9.138−07	8.954−07	8.916−07
1	83	3.650−06	2.932−06	2.707−06	2.520−06	2.251−06	2.099−06	2.101−06	2.140−06
1	84	4.969−06	5.057−06	5.171−06	5.322−06	5.637−06	6.198−06	6.492−06	6.860−06
1	85	1.571−05	1.059−05	8.768−06	7.107−06	4.391−06	1.968−06	1.391−06	9.398−07
1	86	9.981−06	1.182−05	1.269−05	1.362−05	1.535−05	1.770−05	1.870−05	1.986−05
1	87	2.203−05	2.616−05	2.807−05	3.007−05	3.389−05	3.904−05	4.119−05	4.367−05
1	88	1.480−05	1.666−05	1.791−05	1.950−05	2.382−05	3.216−05	3.622−05	4.098−05
1	89	3.921−07	3.143−07	2.914−07	2.732−07	2.464−07	2.328−07	2.335−07	2.393−07
1	90	5.834−06	4.566−06	4.196−06	3.901−06	3.467−06	3.237−06	3.241−06	3.322−06
1	91	6.910−06	6.524−06	6.554−06	6.711−06	7.438−06	9.320−06	1.034−05	1.157−05
1	92	8.068−06	5.147−06	4.180−06	3.326−06	1.964−06	8.102−07	5.540−07	3.742−07
1	93	1.482−05	1.498−05	1.506−05	1.516−05	1.539−05	1.590−05	1.621−05	1.666−05
1	94	8.946−07	7.531−07	7.179−07	6.970−07	7.012−07	8.055−07	8.766−07	9.685−07
1	95	8.982−06	7.393−06	6.948−06	6.608−06	6.131−06	5.972−06	6.042−06	6.232−06
1	96	5.287−06	3.393−06	2.771−06	2.226−06	1.356−06	6.293−07	4.694−07	3.613−07
1	97	1.938−05	2.226−05	2.410−05	2.642−05	3.266−05	4.465−05	5.052−05	5.734−05
1	98	1.022−05	6.517−06	5.286−06	4.197−06	2.456−06	9.702−07	6.361−07	3.989−07
1	99	6.506−06	5.037−06	4.587−06	4.216−06	3.652−06	3.296−06	3.268−06	3.319−06
1	100	8.511−06	7.956−06	7.977−06	8.162−06	9.054−06	1.139−05	1.266−05	1.420−05
1	101	4.351−06	3.347−06	3.039−06	2.793−06	2.515−06	2.591−06	2.759−06	2.999−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
1	102	1.179−05	1.318−05	1.392−05	1.476−05	1.631−05	1.846−05	1.929−05	2.035−05
1	103	1.199−05	1.349−05	1.426−05	1.513−05	1.672−05	1.891−05	1.975−05	2.083−05
1	104	7.945−05	1.011−04	1.125−04	1.260−04	1.595−04	2.198−04	2.484−04	2.813−04
1	105	2.323−04	2.974−04	3.317−04	3.721−04	4.729−04	6.539−04	7.398−04	8.386−04
1	106	3.138−07	3.446−07	3.630−07	3.840−07	4.227−07	4.799−07	5.070−07	5.403−07
1	107	7.557−06	9.435−06	1.043−05	1.161−05	1.456−05	1.987−05	2.239−05	2.528−05
1	108	5.266−07	3.831−07	3.366−07	2.966−07	2.351−07	1.882−07	1.806−07	1.790−07
1	109	8.190−07	9.813−07	1.055−06	1.132−06	1.279−06	1.477−06	1.557−06	1.649−06
1	110	8.011−07	5.403−07	4.476−07	3.631−07	2.249−07	1.016−07	7.216−08	4.926−08
1	111	4.333−07	4.197−07	4.162−07	4.138−07	4.114−07	4.152−07	4.192−07	4.281−07
1	112	3.336−07	3.385−07	3.447−07	3.531−07	3.725−07	4.077−07	4.251−07	4.467−07
1	113	8.434−07	6.884−07	6.348−07	5.867−07	5.071−07	4.354−07	4.171−07	4.081−07
1	114	2.176−07	2.368−07	2.482−07	2.614−07	2.864−07	3.224−07	3.364−07	3.548−07
1	115	4.648−07	2.969−07	2.410−07	1.914−07	1.122−07	4.448−08	2.921−08	1.833−08
1	116	2.554−07	2.471−07	2.534−07	2.661−07	3.117−07	4.184−07	4.744−07	5.411−07
1	117	3.221−07	2.727−07	2.595−07	2.499−07	2.373−07	2.364−07	2.403−07	2.486−07
1	118	6.461−06	8.146−06	9.035−06	1.008−05	1.269−05	1.739−05	1.962−05	2.219−05
1	119	3.008−07	2.125−07	1.856−07	1.632−07	1.288−07	1.045−07	1.008−07	1.008−07
1	120	1.202−06	1.069−06	1.036−06	1.015−06	9.908−07	1.014−06	1.045−06	1.092−06
1	121	9.988−07	1.146−06	1.234−06	1.344−06	1.636−06	2.187−06	2.455−06	2.764−06
1	122	3.856−07	2.855−07	2.523−07	2.235−07	1.808−07	1.531−07	1.512−07	1.530−07
1	123	2.514−07	2.136−07	2.032−07	1.957−07	1.853−07	1.838−07	1.865−07	1.927−07
1	124	2.967−06	3.285−06	3.501−06	3.778−06	4.533−06	5.992−06	6.706−06	7.538−06
1	125	1.925−06	1.565−06	1.459−06	1.375−06	1.250−06	1.190−06	1.194−06	1.225−06
2	3	6.965−03	8.315−03	8.799−03	9.262−03	1.007−02	1.159−02	1.218−02	1.286−02
2	4	8.488−03	9.285−03	9.633−03	9.992−03	1.089−02	1.216−02	1.291−02	1.376−02
2	5	7.076−02	8.385−02	8.932−02	9.481−02	1.071−01	1.233−01	1.318−01	1.413−01
2	6	1.267−02	1.428−02	1.500−02	1.574−02	1.749−02	1.997−02	2.133−02	2.287−02
2	7	1.320−02	1.555−02	1.657−02	1.760−02	1.994−02	2.311−02	2.479−02	2.664−02
2	8	1.678−01	1.993−01	2.131−01	2.271−01	2.585−01	3.015−01	3.239−01	3.487−01
2	9	1.348−01	1.608−01	1.724−01	1.843−01	2.110−01	2.481−01	2.671−01	2.883−01
2	10	3.776−01	4.513−01	4.839−01	5.175−01	5.929−01	6.975−01	7.510−01	8.106−01
2	11	3.125−04	2.817−04	2.691−04	2.581−04	2.362−04	2.411−04	2.411−04	2.441−04
2	12	2.831−04	2.376−04	2.165−04	1.982−04	1.819−04	1.567−04	1.540−04	1.548−04
2	13	1.213−03	1.085−03	1.005−03	9.381−04	9.108−04	8.101−04	8.022−04	8.127−04
2	14	2.993−04	2.650−04	2.449−04	2.279−04	2.193−04	1.942−04	1.920−04	1.942−04
2	15	6.052−04	5.520−04	5.211−04	4.945−04	4.810−04	4.499−04	4.528−04	4.618−04
2	16	1.394−03	1.835−03	2.106−03	2.444−03	3.326−03	4.957−03	5.731−03	6.637−03
2	17	2.064−03	1.940−03	1.924−03	1.926−03	1.958−03	2.064−03	2.127−03	2.219−03
2	18	1.391−02	1.391−02	1.395−02	1.403−02	1.426−02	1.488−02	1.528−02	1.581−02
2	19	2.945−05	2.461−05	2.317−05	2.202−05	2.038−05	1.964−05	1.979−05	2.031−05
2	20	2.103−03	2.141−03	2.160−03	2.180−03	2.232−03	2.344−03	2.410−03	2.495−03
2	21	1.038−02	1.155−02	1.235−02	1.338−02	1.609−02	2.125−02	2.374−02	2.668−02
2	22	6.260−02	7.893−02	8.779−02	9.834−02	1.248−01	1.725−01	1.952−01	2.214−01
2	23	2.334−05	1.951−05	1.848−05	1.773−05	1.667−05	1.639−05	1.662−05	1.720−05
2	24	3.765−05	5.675−05	6.712−05	7.948−05	1.104−04	1.661−04	1.923−04	2.228−04
2	25	6.205−04	8.560−04	9.864−04	1.143−03	1.537−03	2.252−03	2.590−03	2.984−03
2	26	1.041−04	1.559−04	1.841−04	2.179−04	3.024−04	4.554−04	5.275−04	6.114−04
2	27	6.219−05	8.021−05	9.124−05	1.050−04	1.409−04	2.082−04	2.402−04	2.779−04
2	28	8.043−05	1.126−04	1.312−04	1.541−04	2.128−04	3.216−04	3.733−04	4.338−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
2	29	6.771−04	4.478−04	3.694−04	2.987−04	1.825−04	8.133−05	5.821−05	4.077−05
2	30	4.957−04	6.178−04	6.896−04	7.780−04	1.008−03	1.438−03	1.645−03	1.886−03
2	31	1.076−04	1.471−04	1.702−04	1.984−04	2.713−04	4.065−04	4.708−04	5.461−04
2	32	4.662−04	4.933−04	5.046−04	5.161−04	5.404−04	5.803−04	6.007−04	6.249−04
2	33	1.935−02	2.037−02	2.079−02	2.120−02	2.207−02	2.356−02	2.434−02	2.528−02
2	34	1.259−04	1.223−04	1.225−04	1.234−04	1.271−04	1.359−04	1.407−04	1.468−04
2	35	3.435−04	4.068−04	4.349−04	4.641−04	5.211−04	5.966−04	6.267−04	6.610−04
2	36	2.600−04	2.858−04	2.984−04	3.118−04	3.396−04	3.796−04	3.969−04	4.170−04
2	37	9.618−05	9.952−05	1.019−04	1.048−04	1.115−04	1.224−04	1.275−04	1.336−04
2	38	2.173−04	1.777−04	1.655−04	1.553−04	1.407−04	1.332−04	1.338−04	1.367−04
2	39	2.276−03	3.201−03	3.722−03	4.352−03	5.951−03	8.882−03	1.027−02	1.189−02
2	40	5.543−03	8.017−03	9.382−03	1.102−02	1.513−02	2.259−02	2.610−02	3.021−02
2	41	9.375−04	9.685−04	9.828−04	9.982−04	1.034−03	1.100−03	1.137−03	1.181−03
2	42	7.420−05	5.366−05	4.684−05	4.084−05	3.138−05	2.391−05	2.255−05	2.188−05
2	43	6.713−04	4.442−04	3.648−04	2.931−04	1.771−04	7.531−05	5.183−05	3.390−05
2	44	2.033−04	1.473−04	1.288−04	1.123−04	8.594−05	6.486−05	6.090−05	5.879−05
2	45	1.077−02	1.134−02	1.157−02	1.181−02	1.232−02	1.318−02	1.363−02	1.417−02
2	46	4.163−03	6.254−03	7.405−03	8.787−03	1.226−02	1.860−02	2.158−02	2.506−02
2	47	7.722−03	1.167−02	1.384−02	1.643−02	2.294−02	3.477−02	4.034−02	4.684−02
2	48	6.357−04	9.706−04	1.153−03	1.371−03	1.918−03	2.908−03	3.375−03	3.918−03
2	49	2.618−03	4.008−03	4.769−03	5.678−03	7.958−03	1.209−02	1.405−02	1.632−02
2	50	1.625−03	1.065−03	8.734−04	7.013−04	4.222−04	1.793−04	1.234−04	8.159−05
2	51	2.503−03	2.572−03	2.628−03	2.698−03	2.863−03	3.140−03	3.271−03	3.428−03
2	52	1.657−03	1.315−03	1.206−03	1.112−03	9.737−04	8.854−04	8.819−04	8.934−04
2	53	8.395−04	6.726−04	6.198−04	5.750−04	5.090−04	4.692−04	4.689−04	4.765−04
2	54	3.271−04	2.194−04	1.828−04	1.500−04	9.722−05	5.204−05	4.204−05	3.490−05
2	55	1.604−03	2.330−03	2.731−03	3.212−03	4.420−03	6.617−03	7.653−03	8.862−03
2	56	1.848−03	2.645−03	3.093−03	3.636−03	5.012−03	7.533−03	8.725−03	1.012−02
2	57	6.069−06	5.078−06	4.778−06	4.532−06	4.193−06	4.052−06	4.096−06	4.199−06
2	58	6.645−03	7.798−03	8.319−03	8.866−03	9.938−03	1.137−02	1.194−02	1.260−02
2	59	4.832−03	5.720−03	6.118−03	6.535−03	7.347−03	8.426−03	8.853−03	9.342−03
2	60	1.957−03	2.870−03	3.392−03	4.028−03	5.654−03	8.654−03	1.008−02	1.174−02
2	61	1.453−02	1.755−02	1.888−02	2.025−02	2.291−02	2.639−02	2.775−02	2.930−02
2	62	1.566−03	2.237−03	2.617−03	3.079−03	4.254−03	6.417−03	7.444−03	8.643−03
2	63	3.104−03	3.726−03	4.002−03	4.288−03	4.844−03	5.574−03	5.861−03	6.187−03
2	64	2.006−04	1.808−04	1.784−04	1.798−04	1.956−04	2.451−04	2.734−04	3.080−04
2	65	3.423−04	5.100−04	6.022−04	7.128−04	9.908−04	1.497−03	1.736−03	2.015−03
2	66	1.591−05	1.382−05	1.321−05	1.274−05	1.213−05	1.204−05	1.223−05	1.259−05
2	67	1.663−04	2.434−04	2.859−04	3.370−04	4.656−04	6.999−04	8.106−04	9.396−04
2	68	4.151−04	6.206−04	7.333−04	8.684−04	1.208−03	1.826−03	2.117−03	2.457−03
2	69	3.058−03	3.348−03	3.497−03	3.661−03	3.999−03	4.490−03	4.699−03	4.942−03
2	70	6.081−03	6.992−03	7.417−03	7.870−03	8.767−03	9.991−03	1.048−02	1.105−02
2	71	3.471−04	5.136−04	6.052−04	7.150−04	9.910−04	1.494−03	1.732−03	2.009−03
2	72	4.053−03	4.768−03	5.090−03	5.427−03	6.087−03	6.970−03	7.323−03	7.725−03
2	73	1.178−06	1.294−06	1.372−06	1.472−06	1.726−06	2.200−06	2.428−06	2.698−06
2	74	1.728−03	2.041−03	2.181−03	2.328−03	2.615−03	2.999−03	3.152−03	3.326−03
2	75	2.444−04	2.800−04	2.965−04	3.140−04	3.489−04	3.968−04	4.164−04	4.389−04
2	76	5.039−03	5.840−03	6.210−03	6.601−03	7.373−03	8.419−03	8.838−03	9.320−03
2	77	5.154−04	5.688−04	5.956−04	6.250−04	6.851−04	7.714−04	8.076−04	8.500−04
2	78	1.097−03	1.123−03	1.147−03	1.178−03	1.250−03	1.373−03	1.430−03	1.499−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
2	79	1.175−05	1.283−05	1.342−05	1.411−05	1.588−05	1.897−05	2.042−05	2.206−05
2	80	9.983−05	9.001−05	8.739−05	8.551−05	8.373−05	8.557−05	8.767−05	9.077−05
2	81	2.871−05	2.849−05	2.876−05	2.920−05	3.040−05	3.285−05	3.414−05	3.576−05
2	82	1.343−05	1.419−05	1.465−05	1.518−05	1.630−05	1.808−05	1.890−05	1.989−05
2	83	3.034−05	3.169−05	3.256−05	3.358−05	3.578−05	3.945−05	4.127−05	4.344−05
2	84	2.655−05	2.699−05	2.736−05	2.782−05	2.889−05	3.083−05	3.181−05	3.309−05
2	85	1.550−04	1.764−04	1.865−04	1.973−04	2.185−04	2.481−04	2.606−04	2.750−04
2	86	1.129−05	9.352−06	8.692−06	8.107−06	7.195−06	6.542−06	6.477−06	6.515−06
2	87	3.607−05	3.123−05	2.979−05	2.865−05	2.709−05	2.678−05	2.728−05	2.819−05
2	88	7.566−05	9.433−05	1.049−04	1.177−04	1.504−04	2.107−04	2.396−04	2.731−04
2	89	7.975−05	1.129−04	1.312−04	1.534−04	2.093−04	3.119−04	3.605−04	4.173−04
2	90	2.960−05	2.974−05	3.077−05	3.245−05	3.788−05	4.972−05	5.579−05	6.300−05
2	91	6.599−06	5.537−06	5.300−06	5.178−06	5.298−06	6.223−06	6.820−06	7.572−06
2	92	2.313−05	1.631−05	1.410−05	1.218−05	9.147−06	6.759−06	6.301−06	6.093−06
2	93	5.241−06	3.873−06	3.419−06	3.022−06	2.385−06	1.886−06	1.811−06	1.796−06
2	94	1.451−04	2.120−04	2.487−04	2.927−04	4.032−04	6.050−04	7.005−04	8.117−04
2	95	2.128−05	1.369−05	1.116−05	8.920−06	5.327−06	2.266−06	1.578−06	1.088−06
2	96	6.036−05	6.977−05	7.532−05	8.211−05	9.944−05	1.314−04	1.466−04	1.644−04
2	97	1.607−05	1.398−05	1.344−05	1.309−05	1.289−05	1.368−05	1.430−05	1.512−05
2	98	2.822−05	2.604−05	2.574−05	2.576−05	2.607−05	2.756−05	2.838−05	2.967−05
2	99	1.575−04	1.913−04	2.099−04	2.320−04	2.879−04	3.893−04	4.376−04	4.934−04
2	100	1.746−04	2.174−04	2.404−04	2.676−04	3.358−04	4.587−04	5.171−04	5.844−04
2	101	1.009−04	1.279−04	1.423−04	1.593−04	2.018−04	2.784−04	3.148−04	3.567−04
2	102	2.376−05	1.949−05	1.827−05	1.734−05	1.600−05	1.548−05	1.561−05	1.608−05
2	103	2.105−04	2.660−04	2.962−04	3.323−04	4.234−04	5.892−04	6.681−04	7.595−04
2	104	1.125−05	1.071−05	1.070−05	1.084−05	1.159−05	1.356−05	1.465−05	1.592−05
2	105	2.622−05	2.833−05	2.995−05	3.208−05	3.788−05	4.919−05	5.472−05	6.126−05
2	106	1.164−05	1.173−05	1.193−05	1.220−05	1.284−05	1.401−05	1.460−05	1.533−05
2	107	3.885−05	5.304−05	6.082−05	7.015−05	9.366−05	1.367−04	1.572−04	1.810−04
2	108	3.969−05	4.549−05	4.828−05	5.127−05	5.701−05	6.504−05	6.852−05	7.256−05
2	109	1.404−05	1.104−05	1.006−05	9.215−06	7.906−06	7.013−06	6.949−06	7.033−06
2	110	3.722−05	3.555−05	3.536−05	3.543−05	3.603−05	3.818−05	3.955−05	4.135−05
2	111	3.272−06	2.708−06	2.533−06	2.387−06	2.175−06	2.070−06	2.087−06	2.137−06
2	112	2.770−05	2.723−05	2.717−05	2.717−05	2.735−05	2.823−05	2.887−05	2.979−05
2	113	1.070−05	1.147−05	1.193−05	1.245−05	1.350−05	1.512−05	1.587−05	1.678−05
2	114	1.592−05	1.046−05	8.652−06	7.064−06	4.533−06	2.417−06	1.958−06	1.655−06
2	115	2.307−05	1.907−05	1.796−05	1.712−05	1.594−05	1.558−05	1.576−05	1.627−05
2	116	8.884−06	6.355−06	5.549−06	4.864−06	3.843−06	3.193−06	3.147−06	3.209−06
2	117	1.588−05	1.357−05	1.304−05	1.274−05	1.284−05	1.449−05	1.560−05	1.702−05
2	118	7.670−06	6.067−06	5.603−06	5.255−06	4.934−06	5.296−06	5.677−06	6.205−06
2	119	2.339−05	2.438−05	2.516−05	2.614−05	2.807−05	3.108−05	3.233−05	3.400−05
2	120	1.588−05	1.494−05	1.478−05	1.474−05	1.483−05	1.553−05	1.604−05	1.676−05
2	121	5.488−05	6.704−05	7.370−05	8.168−05	1.019−04	1.387−04	1.563−04	1.766−04
2	122	1.753−04	2.208−04	2.451−04	2.739−04	3.460−04	4.762−04	5.382−04	6.096−04
2	123	2.812−04	3.581−04	3.989−04	4.469−04	5.666−04	7.815−04	8.834−04	1.001−03
2	124	1.535−05	1.385−05	1.352−05	1.335−05	1.326−05	1.381−05	1.421−05	1.484−05
2	125	5.776−05	6.578−05	7.073−05	7.688−05	9.295−05	1.231−04	1.377−04	1.547−04
3	4	8.574−03	6.081−03	5.153−03	4.317−03	3.066−03	1.826−03	1.553−03	1.364−03
3	5	1.840−02	1.547−02	1.396−02	1.267−02	1.171−02	9.668−03	9.386−03	9.378−03
3	6	6.234−03	4.793−03	4.194−03	3.668−03	3.036−03	2.257−03	2.112−03	2.043−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
3	7	1.354−03	9.050−04	7.474−04	6.043−04	3.705−04	1.645−04	1.156−04	7.802−05
3	8	3.198−04	2.109−04	1.731−04	1.393−04	8.491−05	3.728−05	2.626−05	1.805−05
3	9	6.600−05	4.263−05	3.477−05	2.780−05	1.656−05	7.516−06	5.413−06	3.905−06
3	10	6.784−05	4.627−05	3.860−05	3.176−05	2.139−05	1.176−05	9.638−06	8.176−06
3	11	1.064−01	1.262−01	1.351−01	1.442−01	1.648−01	1.936−01	2.083−01	2.248−01
3	12	4.275−03	4.836−03	5.108−03	5.413−03	6.121−03	7.295−03	7.834−03	8.461−03
3	13	5.352−05	3.698−05	3.088−05	2.525−05	1.600−05	7.458−06	5.373−06	3.706−06
3	14	4.193−04	4.587−04	4.796−04	5.040−04	5.637−04	6.678−04	7.169−04	7.744−04
3	15	1.412−05	1.455−05	1.490−05	1.537−05	1.671−05	1.938−05	2.072−05	2.232−05
3	16	1.175−05	1.195−05	1.208−05	1.224−05	1.263−05	1.345−05	1.390−05	1.446−05
3	17	1.043−05	8.085−06	7.350−06	6.767−06	6.140−06	6.432−06	6.877−06	7.535−06
3	18	1.783−05	1.520−05	1.449−05	1.402−05	1.384−05	1.511−05	1.607−05	1.730−05
3	19	3.139−04	4.192−04	4.835−04	5.637−04	7.739−04	1.165−03	1.352−03	1.570−03
3	20	1.179−03	1.779−03	2.121−03	2.536−03	3.590−03	5.507−03	6.410−03	7.462−03
3	21	6.724−05	7.405−05	7.732−05	8.082−05	8.802−05	9.837−05	1.029−04	1.081−04
3	22	7.693−05	8.323−05	8.646−05	9.000−05	9.732−05	1.083−04	1.132−04	1.190−04
3	23	1.693−04	1.274−04	1.138−04	1.024−04	8.825−05	8.622−05	9.076−05	9.810−05
3	24	5.506−04	4.686−04	4.409−04	4.163−04	3.790−04	3.551−04	3.551−04	3.599−04
3	25	7.751−04	6.254−04	5.796−04	5.419−04	4.872−04	4.563−04	4.570−04	4.665−04
3	26	7.308−04	6.317−04	6.050−04	5.858−04	5.620−04	5.623−04	5.722−04	5.921−04
3	27	1.384−02	1.437−02	1.457−02	1.478−02	1.524−02	1.608−02	1.656−02	1.714−02
3	28	2.571−03	2.479−03	2.451−03	2.428−03	2.408−03	2.457−03	2.510−03	2.585−03
3	29	3.100−05	1.970−05	1.599−05	1.274−05	7.558−06	3.241−06	2.301−06	1.659−06
3	30	1.960−03	2.099−03	2.187−03	2.293−03	2.506−03	2.808−03	2.931−03	3.090−03
3	31	5.808−04	4.169−04	3.632−04	3.165−04	2.431−04	1.853−04	1.747−04	1.703−04
3	32	3.028−03	3.587−03	3.920−03	4.329−03	5.388−03	7.362−03	8.310−03	9.414−03
3	33	1.940−04	2.541−04	2.875−04	3.277−04	4.290−04	6.137−04	7.012−04	8.030−04
3	34	1.156−03	9.672−04	9.176−04	8.826−04	8.343−04	8.291−04	8.418−04	8.721−04
3	35	1.216−03	7.784−04	6.341−04	5.071−04	3.035−04	1.326−04	9.484−05	6.862−05
3	36	3.410−02	4.403−02	4.932−02	5.556−02	7.112−02	9.906−02	1.123−01	1.276−01
3	37	2.618−02	3.405−02	3.822−02	4.315−02	5.538−02	7.732−02	8.767−02	9.965−02
3	38	1.933−03	1.900−03	1.925−03	1.971−03	2.067−03	2.248−03	2.327−03	2.444−03
3	39	2.473−05	1.669−05	1.388−05	1.132−05	7.149−06	3.465−06	2.611−06	1.965−06
3	40	6.272−05	4.853−05	4.409−05	4.038−05	3.476−05	3.105−05	3.070−05	3.110−05
3	41	3.176−03	3.441−03	3.649−03	3.927−03	4.704−03	6.244−03	7.004−03	7.896−03
3	42	9.416−04	6.682−04	5.837−04	5.125−04	4.017−04	3.213−04	3.083−04	3.067−04
3	43	2.059−05	1.344−05	1.099−05	8.805−06	5.266−06	2.204−06	1.505−06	9.849−07
3	44	5.262−06	5.870−06	6.212−06	6.623−06	7.689−06	9.626−06	1.056−05	1.162−05
3	45	1.120−04	9.717−05	9.420−05	9.311−05	9.690−05	1.147−04	1.255−04	1.391−04
3	46	1.770−05	1.267−05	1.097−05	9.462−06	7.060−06	5.087−06	4.694−06	4.463−06
3	47	2.347−05	2.177−05	2.151−05	2.148−05	2.180−05	2.302−05	2.374−05	2.479−05
3	48	4.345−03	4.542−03	4.624−03	4.707−03	4.891−03	5.217−03	5.393−03	5.603−03
3	49	1.626−03	1.706−03	1.739−03	1.772−03	1.844−03	1.967−03	2.034−03	2.113−03
3	50	3.082−05	1.954−05	1.583−05	1.255−05	7.300−06	2.855−06	1.863−06	1.165−06
3	51	2.358−05	1.520−05	1.249−05	1.012−05	6.365−06	3.287−06	2.633−06	2.218−06
3	52	4.250−05	3.106−05	2.752−05	2.456−05	1.996−05	1.671−05	1.622−05	1.627−05
3	53	2.604−05	1.880−05	1.647−05	1.445−05	1.141−05	9.284−06	9.036−06	9.004−06
3	54	2.055−05	1.525−05	1.355−05	1.212−05	1.010−05	9.147−06	9.316−06	9.721−06
3	55	6.078−05	6.435−05	6.580−05	6.727−05	7.038−05	7.556−05	7.824−05	8.140−05
3	56	1.554−05	1.442−05	1.417−05	1.404−05	1.406−05	1.466−05	1.508−05	1.567−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
3	57	1.109−03	1.632−03	1.933−03	2.298−03	3.230−03	4.942−03	5.750−03	6.696−03
3	58	1.776−05	1.120−05	9.108−06	7.301−06	4.441−06	2.129−06	1.644−06	1.344−06
3	59	1.840−04	2.335−04	2.616−04	2.955−04	3.821−04	5.417−04	6.180−04	7.066−04
3	60	2.851−06	2.658−06	2.631−06	2.631−06	2.662−06	2.817−06	2.925−06	3.075−06
3	61	4.638−05	2.952−05	2.402−05	1.921−05	1.155−05	5.172−06	3.788−06	2.859−06
3	62	1.505−05	1.252−05	1.174−05	1.111−05	1.020−05	9.791−06	9.874−06	1.011−05
3	63	1.517−04	1.980−04	2.238−04	2.548−04	3.337−04	4.787−04	5.478−04	6.281−04
3	64	1.450−04	1.523−04	1.553−04	1.583−04	1.648−04	1.759−04	1.818−04	1.888−04
3	65	3.097−05	2.307−05	2.049−05	1.824−05	1.466−05	1.197−05	1.154−05	1.140−05
3	66	3.223−03	4.806−03	5.694−03	6.768−03	9.493−03	1.449−02	1.685−02	1.961−02
3	67	2.175−04	2.292−04	2.340−04	2.389−04	2.495−04	2.679−04	2.776−04	2.890−04
3	68	1.328−04	1.508−04	1.593−04	1.684−04	1.864−04	2.113−04	2.215−04	2.333−04
3	69	1.499−05	9.531−06	7.738−06	6.161−06	3.642−06	1.524−06	1.056−06	7.330−07
3	70	2.104−06	1.935−06	1.914−06	1.918−06	1.945−06	2.062−06	2.124−06	2.224−06
3	71	1.405−05	1.306−05	1.289−05	1.282−05	1.293−05	1.362−05	1.410−05	1.472−05
3	72	5.009−06	3.247−06	2.660−06	2.142−06	1.318−06	6.364−07	4.934−07	3.986−07
3	73	5.395−03	6.133−03	6.480−03	6.848−03	7.586−03	8.605−03	9.024−03	9.506−03
3	74	3.167−05	4.664−05	5.498−05	6.504−05	9.040−05	1.366−04	1.584−04	1.839−04
3	75	1.905−05	2.060−05	2.227−05	2.467−05	3.175−05	4.622−05	5.333−05	6.177−05
3	76	5.389−06	3.310−06	2.647−06	2.073−06	1.164−06	4.204−07	2.610−07	1.561−07
3	77	5.681−05	5.295−05	5.251−05	5.286−05	5.639−05	6.712−05	7.333−05	8.072−05
3	78	4.796−05	7.011−05	8.246−05	9.736−05	1.350−04	2.037−04	2.361−04	2.740−04
3	79	7.717−03	8.810−03	9.325−03	9.874−03	1.097−02	1.247−02	1.308−02	1.378−02
3	80	2.023−06	1.377−06	1.158−06	9.625−07	6.497−07	3.844−07	3.266−07	2.877−07
3	81	3.571−05	2.419−05	2.006−05	1.628−05	1.013−05	4.622−06	3.322−06	2.306−06
3	82	1.173−04	1.832−04	2.196−04	2.634−04	3.737−04	5.749−04	6.697−04	7.803−04
3	83	2.713−04	4.082−04	4.838−04	5.747−04	8.038−04	1.222−03	1.420−03	1.650−03
3	84	2.418−05	1.989−05	1.869−05	1.787−05	1.761−05	2.017−05	2.209−05	2.456−05
3	85	2.345−06	2.286−06	2.316−06	2.377−06	2.499−06	2.732−06	2.831−06	2.982−06
3	86	2.659−05	3.426−05	3.915−05	4.537−05	6.194−05	9.362−05	1.089−04	1.268−04
3	87	1.832−06	1.250−06	1.048−06	8.656−07	5.707−07	3.144−07	2.560−07	2.149−07
3	88	1.582−04	1.649−04	1.694−04	1.749−04	1.870−04	2.065−04	2.153−04	2.259−04
3	89	9.610−06	1.086−05	1.146−05	1.211−05	1.340−05	1.518−05	1.590−05	1.675−05
3	90	1.454−04	1.413−04	1.415−04	1.427−04	1.471−04	1.576−04	1.633−04	1.705−04
3	91	2.898−05	1.912−05	1.572−05	1.266−05	7.691−06	3.340−06	2.327−06	1.565−06
3	92	1.045−04	6.858−05	5.626−05	4.519−05	2.724−05	1.160−05	7.993−06	5.291−06
3	93	1.730−05	2.297−05	2.636−05	3.057−05	4.162−05	6.250−05	7.255−05	8.430−05
3	94	1.015−05	1.079−05	1.116−05	1.158−05	1.250−05	1.391−05	1.453−05	1.527−05
3	95	5.716−06	3.755−06	3.081−06	2.475−06	1.493−06	6.365−07	4.388−07	2.906−07
3	96	4.253−04	4.929−04	5.243−04	5.576−04	6.231−04	7.122−04	7.478−04	7.890−04
3	97	2.880−04	3.431−04	3.679−04	3.938−04	4.442−04	5.111−04	5.375−04	5.676−04
3	98	3.589−08	3.683−08	3.790−08	3.933−08	4.201−08	4.633−08	4.804−08	5.045−08
3	99	4.433−05	4.177−05	4.138−05	4.132−05	4.195−05	4.440−05	4.593−05	4.792−05
3	100	9.316−06	8.930−06	8.910−06	8.963−06	9.201−06	9.834−06	1.017−05	1.062−05
3	101	8.643−07	6.796−07	6.216−07	5.732−07	5.051−07	4.710−07	4.736−07	4.834−07
3	102	4.942−06	3.245−06	2.664−06	2.143−06	1.298−06	5.643−07	3.957−07	2.704−07
3	103	1.079−04	9.338−05	8.922−05	8.599−05	8.202−05	8.188−05	8.348−05	8.616−05
3	104	5.385−07	4.417−07	4.095−07	3.813−07	3.383−07	3.096−07	3.075−07	3.099−07
3	105	5.482−05	5.549−05	5.649−05	5.789−05	6.122−05	6.710−05	6.984−05	7.323−05
3	106	3.475−06	4.926−06	5.777−06	6.826−06	9.531−06	1.456−05	1.696−05	1.976−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
3	107	8.635−07	8.034−07	7.854−07	7.710−07	7.552−07	7.679−07	7.868−07	8.124−07
3	108	6.640−07	4.386−07	3.602−07	2.895−07	1.752−07	7.486−08	5.161−08	3.400−08
3	109	6.443−08	4.280−08	3.571−08	2.950−08	1.963−08	1.150−08	9.783−09	8.702−09
3	110	1.335−07	1.232−07	1.225−07	1.238−07	1.270−07	1.364−07	1.408−07	1.483−07
3	111	1.719−07	1.380−07	1.270−07	1.177−07	1.051−07	9.963−08	1.012−07	1.039−07
3	112	1.336−07	9.591−08	8.343−08	7.269−08	5.734−08	4.883−08	4.919−08	5.137−08
3	113	4.289−07	3.050−07	2.619−07	2.237−07	1.662−07	1.270−07	1.239−07	1.254−07
3	114	1.100−07	7.289−08	6.001−08	4.837−08	2.944−08	1.280−08	8.902−09	5.940−09
3	115	4.371−09	4.412−09	4.513−09	4.658−09	4.934−09	5.408−09	5.596−09	5.871−09
3	116	1.241−06	1.457−06	1.556−06	1.660−06	1.864−06	2.139−06	2.246−06	2.370−06
3	117	3.435−06	3.771−06	3.945−06	4.139−06	4.534−06	5.107−06	5.344−06	5.625−06
3	118	5.159−08	3.694−08	3.206−08	2.778−08	2.066−08	1.392−08	1.180−08	1.035−08
3	119	9.890−07	6.486−07	5.320−07	4.272−07	2.573−07	1.094−07	7.529−08	4.978−08
3	120	5.549−07	7.332−07	8.447−07	9.855−07	1.358−06	2.068−06	2.408−06	2.808−06
3	121	3.332−08	3.484−08	3.616−08	3.787−08	4.110−08	4.408−08	4.390−08	4.459−08
3	122	1.742−07	1.553−07	1.507−07	1.476−07	1.449−07	1.492−07	1.532−07	1.591−07
3	123	6.253−07	4.357−07	3.720−07	3.158−07	2.262−07	1.527−07	1.376−07	1.283−07
3	124	1.948−06	1.332−06	1.122−06	9.346−07	6.343−07	3.794−07	3.248−07	2.871−07
3	125	2.260−06	2.418−06	2.509−06	2.613−06	2.834−06	3.169−06	3.313−06	3.485−06
4	5	2.116−02	1.637−02	1.435−02	1.257−02	1.048−02	7.753−03	7.253−03	7.017−03
4	6	4.876−03	3.296−03	2.737−03	2.233−03	1.444−03	7.234−04	5.597−04	4.403−04
4	7	1.329−03	9.121−04	7.638−04	6.324−04	4.374−04	2.514−04	2.118−04	1.858−04
4	8	1.316−02	1.021−02	8.964−03	7.871−03	6.594−03	4.957−03	4.659−03	4.524−03
4	9	1.610−03	1.107−03	9.267−04	7.647−04	5.164−04	2.844−04	2.325−04	1.959−04
4	10	1.319−03	9.220−04	7.766−04	6.460−04	4.475−04	2.587−04	2.164−04	1.868−04
4	11	9.763−02	1.165−01	1.248−01	1.332−01	1.520−01	1.778−01	1.911−01	2.059−01
4	12	9.779−02	1.158−01	1.238−01	1.322−01	1.510−01	1.775−01	1.910−01	2.062−01
4	13	2.577−03	2.556−03	2.572−03	2.601−03	2.734−03	3.006−03	3.188−03	3.404−03
4	14	9.984−04	8.758−04	8.376−04	8.080−04	7.802−04	8.075−04	8.395−04	8.848−04
4	15	1.009−03	1.129−03	1.190−03	1.259−03	1.421−03	1.696−03	1.824−03	1.972−03
4	16	6.735−07	6.319−07	6.265−07	6.270−07	6.392−07	6.769−07	6.987−07	7.292−07
4	17	1.464−05	1.615−05	1.748−05	1.932−05	2.468−05	3.538−05	4.065−05	4.688−05
4	18	1.234−05	1.036−05	9.838−06	9.505−06	9.506−06	1.080−05	1.171−05	1.289−05
4	19	1.206−03	1.780−03	2.107−03	2.505−03	3.515−03	5.343−03	6.202−03	7.204−03
4	20	3.259−04	4.262−04	4.884−04	5.663−04	7.711−04	1.153−03	1.335−03	1.548−03
4	21	1.448−05	1.518−05	1.555−05	1.595−05	1.671−05	1.773−05	1.813−05	1.874−05
4	22	3.035−06	2.405−06	2.204−06	2.033−06	1.775−06	1.603−06	1.589−06	1.608−06
4	23	1.396−04	1.142−04	1.074−04	1.032−04	1.036−04	1.224−04	1.355−04	1.523−04
4	24	1.383−03	1.363−03	1.377−03	1.403−03	1.466−03	1.584−03	1.640−03	1.718−03
4	25	6.871−04	7.048−04	7.222−04	7.450−04	7.941−04	8.710−04	9.051−04	9.501−04
4	26	1.171−02	1.179−02	1.186−02	1.194−02	1.218−02	1.275−02	1.310−02	1.356−02
4	27	3.167−04	2.114−04	1.746−04	1.411−04	8.650−05	3.809−05	2.677−05	1.806−05
4	28	2.666−04	2.567−04	2.571−04	2.600−04	2.687−04	2.875−04	2.972−04	3.109−04
4	29	2.432−03	3.673−03	4.364−03	5.197−03	7.301−03	1.112−02	1.292−02	1.502−02
4	30	5.472−04	4.672−04	4.454−04	4.295−04	4.094−04	4.078−04	4.148−04	4.290−04
4	31	3.676−03	3.723−03	3.747−03	3.773−03	3.844−03	4.012−03	4.116−03	4.253−03
4	32	4.480−03	4.996−03	5.344−03	5.786−03	6.922−03	9.051−03	1.007−02	1.128−02
4	33	3.777−04	3.045−04	2.814−04	2.625−04	2.381−04	2.313−04	2.368−04	2.467−04
4	34	1.726−02	2.175−02	2.418−02	2.706−02	3.422−02	4.710−02	5.319−02	6.025−02
4	35	3.627−02	4.574−02	5.085−02	5.692−02	7.211−02	9.958−02	1.126−01	1.277−01

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
4	36	8.214−03	1.036−02	1.154−02	1.294−02	1.646−02	2.283−02	2.585−02	2.935−02
4	37	9.591−04	1.126−03	1.229−03	1.358−03	1.693−03	2.322−03	2.625−03	2.979−03
4	38	7.130−04	5.364−04	4.838−04	4.409−04	3.754−04	3.341−04	3.301−04	3.356−04
4	39	1.776−02	1.839−02	1.865−02	1.890−02	1.947−02	2.053−02	2.113−02	2.188−02
4	40	8.267−04	6.115−04	5.407−04	4.791−04	3.830−04	3.088−04	2.963−04	2.922−04
4	41	8.759−04	5.861−04	4.910−04	4.079−04	2.762−04	1.708−04	1.497−04	1.379−04
4	42	6.070−03	7.439−03	8.208−03	9.136−03	1.149−02	1.582−02	1.788−02	2.027−02
4	43	1.943−03	2.054−03	2.132−03	2.228−03	2.422−03	2.705−03	2.821−03	2.973−03
4	44	6.609−06	6.036−06	5.945−06	5.950−06	6.287−06	7.444−06	8.121−06	8.954−06
4	45	9.507−05	8.341−05	8.200−05	8.274−05	9.092−05	1.167−04	1.313−04	1.492−04
4	46	1.838−03	1.723−03	1.688−03	1.660−03	1.627−03	1.643−03	1.673−03	1.721−03
4	47	9.096−04	7.690−04	7.298−04	7.004−04	6.615−04	6.530−04	6.624−04	6.840−04
4	48	3.596−05	2.330−05	1.901−05	1.518−05	9.046−06	3.766−06	2.562−06	1.683−06
4	49	2.732−04	1.856−04	1.553−04	1.280−04	8.357−05	4.495−05	3.621−05	2.984−05
4	50	1.825−03	1.776−03	1.793−03	1.830−03	1.910−03	2.070−03	2.142−03	2.248−03
4	51	2.135−02	2.756−02	3.089−02	3.483−02	4.465−02	6.233−02	7.069−02	8.037−02
4	52	1.352−03	1.040−03	9.474−04	8.721−04	7.574−04	6.882−04	6.834−04	6.967−04
4	53	2.540−02	3.295−02	3.697−02	4.171−02	5.350−02	7.464−02	8.464−02	9.619−02
4	54	1.736−02	2.252−02	2.526−02	2.849−02	3.651−02	5.090−02	5.769−02	6.555−02
4	55	9.635−06	6.341−06	5.224−06	4.223−06	2.582−06	1.168−06	8.483−07	6.110−07
4	56	3.190−04	3.307−04	3.356−04	3.407−04	3.522−04	3.738−04	3.859−04	4.005−04
4	57	2.124−05	2.233−05	2.326−05	2.453−05	2.818−05	3.551−05	3.918−05	4.348−05
4	58	1.038−03	7.515−04	6.623−04	5.876−04	4.757−04	4.053−04	4.002−04	4.081−04
4	59	8.247−04	6.105−04	5.469−04	4.964−04	4.339−04	4.314−04	4.544−04	4.911−04
4	60	5.221−05	5.404−05	5.559−05	5.757−05	6.184−05	6.844−05	7.125−05	7.487−05
4	61	1.057−03	7.340−04	6.318−04	5.446−04	4.075−04	3.027−04	2.836−04	2.765−04
4	62	1.016−03	1.045−03	1.058−03	1.072−03	1.105−03	1.169−03	1.205−03	1.249−03
4	63	5.310−04	3.857−04	3.415−04	3.055−04	2.592−04	2.503−04	2.626−04	2.835−04
4	64	3.728−05	2.573−05	2.183−05	1.835−05	1.274−05	8.027−06	7.021−06	6.356−06
4	65	1.129−02	1.190−02	1.214−02	1.239−02	1.292−02	1.383−02	1.432−02	1.489−02
4	66	3.484−05	3.135−05	3.063−05	3.034−05	3.124−05	3.500−05	3.725−05	3.998−05
4	67	1.373−04	9.000−05	7.402−05	5.968−05	3.607−05	1.572−05	1.112−05	7.682−06
4	68	5.305−05	3.907−05	3.448−05	3.046−05	2.405−05	1.909−05	1.823−05	1.787−05
4	69	1.945−04	2.620−04	2.997−04	3.450−04	4.597−04	6.693−04	7.688−04	8.846−04
4	70	2.033−05	1.871−05	1.847−05	1.847−05	1.866−05	1.968−05	2.024−05	2.116−05
4	71	8.303−05	7.448−05	7.178−05	6.949−05	6.622−05	6.517−05	6.599−05	6.754−05
4	72	6.556−05	6.159−05	6.302−05	6.645−05	7.939−05	1.102−04	1.262−04	1.456−04
4	73	2.970−05	3.196−05	3.313−05	3.443−05	3.720−05	4.143−05	4.334−05	4.554−05
4	74	2.021−04	2.961−04	3.488−04	4.126−04	5.737−04	8.680−04	1.007−03	1.169−03
4	75	8.998−04	1.325−03	1.565−03	1.855−03	2.591−03	3.938−03	4.573−03	5.316−03
4	76	6.601−05	4.704−05	4.142−05	3.699−05	3.176−05	3.238−05	3.487−05	3.863−05
4	77	1.101−03	1.641−03	1.947−03	2.317−03	3.257−03	4.978−03	5.789−03	6.739−03
4	78	5.257−04	7.849−04	9.292−04	1.103−03	1.541−03	2.338−03	2.714−03	3.153−03
4	79	1.327−04	1.373−04	1.406−04	1.446−04	1.539−04	1.691−04	1.762−04	1.846−04
4	80	3.170−04	5.093−04	6.171−04	7.472−04	1.075−03	1.671−03	1.950−03	2.277−03
4	81	4.411−03	6.735−03	8.028−03	9.586−03	1.352−02	2.071−02	2.410−02	2.806−02
4	82	6.325−04	8.910−04	1.039−03	1.220−03	1.684−03	2.542−03	2.950−03	3.427−03
4	83	1.142−03	1.594−03	1.855−03	2.173−03	2.991−03	4.508−03	5.230−03	6.073−03
4	84	2.125−04	2.468−04	2.711−04	3.031−04	3.912−04	5.646−04	6.493−04	7.492−04
4	85	5.051−05	3.495−05	2.943−05	2.443−05	1.631−05	9.188−06	7.556−06	6.366−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
4	86	7.672−04	1.136−03	1.343−03	1.595−03	2.234−03	3.408−03	3.965−03	4.614−03
4	87	6.654−05	5.806−05	5.635−05	5.589−05	5.926−05	7.316−05	8.153−05	9.194−05
4	88	3.226−03	3.635−03	3.830−03	4.038−03	4.459−03	5.045−03	5.289−03	5.570−03
4	89	1.173−04	1.288−04	1.346−04	1.411−04	1.542−04	1.732−04	1.812−04	1.907−04
4	90	4.450−03	5.162−03	5.488−03	5.830−03	6.507−03	7.423−03	7.793−03	8.217−03
4	91	2.441−03	2.856−03	3.043−03	3.240−03	3.626−03	4.145−03	4.354−03	4.593−03
4	92	1.054−02	1.247−02	1.334−02	1.425−02	1.602−02	1.838−02	1.932−02	2.038−02
4	93	6.972−05	7.001−05	7.313−05	7.841−05	9.599−05	1.352−04	1.553−04	1.793−04
4	94	3.766−04	4.357−04	4.621−04	4.897−04	5.442−04	6.182−04	6.486−04	6.832−04
4	95	2.026−04	1.499−04	1.325−04	1.172−04	9.345−05	7.527−05	7.224−05	7.117−05
4	96	3.620−03	4.008−03	4.202−03	4.415−03	4.847−03	5.464−03	5.722−03	6.023−03
4	97	1.992−03	2.213−03	2.322−03	2.441−03	2.683−03	3.027−03	3.170−03	3.337−03
4	98	1.379−04	9.048−05	7.422−05	5.961−05	3.593−05	1.531−05	1.056−05	7.006−06
4	99	3.375−04	2.854−04	2.698−04	2.573−04	2.403−04	2.349−04	2.382−04	2.448−04
4	100	3.753−04	4.084−04	4.258−04	4.452−04	4.854−04	5.442−04	5.692−04	5.987−04
4	101	9.190−05	9.689−05	9.996−05	1.036−04	1.114−04	1.236−04	1.290−04	1.354−04
4	102	1.728−04	1.244−04	1.082−04	9.396−05	7.145−05	5.353−05	5.024−05	4.852−05
4	103	6.979−04	6.207−04	6.006−04	5.866−04	5.726−04	5.848−04	5.990−04	6.207−04
4	104	1.314−04	1.505−04	1.595−04	1.691−04	1.882−04	2.144−04	2.250−04	2.372−04
4	105	2.603−04	1.879−04	1.637−04	1.424−04	1.087−04	8.194−05	7.698−05	7.441−05
4	106	4.362−05	5.309−05	5.904−05	6.657−05	8.672−05	1.255−04	1.443−04	1.664−04
4	107	3.354−05	3.912−05	4.170−05	4.442−05	4.976−05	5.697−05	5.984−05	6.314−05
4	108	1.606−05	1.234−05	1.119−05	1.028−05	9.258−06	9.491−06	1.006−05	1.090−05
4	109	6.147−05	8.970−05	1.054−04	1.244−04	1.725−04	2.608−04	3.026−04	3.514−04
4	110	6.887−06	4.987−06	4.327−06	3.739−06	2.794−06	2.004−06	1.838−06	1.741−06
4	111	1.124−05	1.808−05	2.190−05	2.649−05	3.809−05	5.925−05	6.921−05	8.082−05
4	112	1.884−05	2.568−05	2.977−05	3.485−05	4.809−05	7.303−05	8.497−05	9.895−05
4	113	2.032−06	1.688−06	1.605−06	1.562−06	1.615−06	1.981−06	2.215−06	2.511−06
4	114	9.656−05	1.113−04	1.182−04	1.255−04	1.401−04	1.599−04	1.679−04	1.772−04
4	115	1.466−05	9.624−06	7.896−06	6.345−06	3.829−06	1.637−06	1.131−06	7.535−07
4	116	1.324−05	1.096−05	1.026−05	9.679−06	8.867−06	8.493−06	8.570−06	8.776−06
4	117	2.448−05	1.804−05	1.592−05	1.406−05	1.116−05	8.943−06	8.566−06	8.427−06
4	118	1.477−05	1.738−05	1.857−05	1.981−05	2.226−05	2.553−05	2.683−05	2.833−05
4	119	6.872−05	6.480−05	6.418−05	6.406−05	6.496−05	6.863−05	7.090−05	7.387−05
4	120	2.128−06	2.851−06	3.279−06	3.809−06	5.192−06	7.796−06	9.046−06	1.051−05
4	121	1.065−05	1.215−05	1.286−05	1.363−05	1.515−05	1.726−05	1.810−05	1.909−05
4	122	3.102−05	3.505−05	3.701−05	3.913−05	4.337−05	4.929−05	5.169−05	5.449−05
4	123	5.474−05	5.476−05	5.550−05	5.662−05	5.948−05	6.482−05	6.740−05	7.061−05
4	124	8.040−06	5.966−06	5.285−06	4.692−06	3.766−06	3.061−06	2.943−06	2.903−06
4	125	4.447−06	4.376−06	4.409−06	4.474−06	4.659−06	5.042−06	5.236−06	5.481−06
5	6	8.461−03	6.483−03	5.664−03	4.950−03	4.107−03	3.027−03	2.832−03	2.743−03
5	7	2.732−03	1.809−03	1.488−03	1.199−03	7.362−04	3.284−04	2.341−04	1.636−04
5	8	3.334−02	2.687−02	2.390−02	2.133−02	1.876−02	1.479−02	1.415−02	1.395−02
5	9	5.138−03	4.129−03	3.673−03	3.279−03	2.884−03	2.298−03	2.202−03	2.176−03
5	10	2.965−03	2.278−03	1.993−03	1.741−03	1.431−03	1.060−03	9.882−04	9.521−04
5	11	2.538−01	3.041−01	3.257−01	3.477−01	3.968−01	4.632−01	4.975−01	5.356−01
5	12	2.355−02	2.784−02	2.975−02	3.171−02	3.616−02	4.237−02	4.557−02	4.915−02
5	13	1.151−01	1.355−01	1.447−01	1.542−01	1.758−01	2.061−01	2.217−01	2.392−01
5	14	8.040−04	5.521−04	4.599−04	3.751−04	2.361−04	1.087−04	7.768−05	5.306−05
5	15	4.978−04	3.608−04	3.113−04	2.664−04	1.949−04	1.349−04	1.230−04	1.155−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
5	16	1.121−05	1.269−05	1.341−05	1.420−05	1.574−05	1.781−05	1.864−05	1.963−05
5	17	3.639−06	3.151−06	3.000−06	2.878−06	2.700−06	2.625−06	2.645−06	2.708−06
5	18	1.487−04	2.269−04	2.710−04	3.241−04	4.584−04	7.005−04	8.142−04	9.467−04
5	19	3.957−05	2.674−05	2.214−05	1.794−05	1.112−05	4.962−06	3.499−06	2.359−06
5	20	1.676−03	2.444−03	2.885−03	3.421−03	4.784−03	7.253−03	8.414−03	9.769−03
5	21	1.638−05	1.393−05	1.322−05	1.267−05	1.192−05	1.167−05	1.182−05	1.217−05
5	22	2.128−04	2.191−04	2.218−04	2.247−04	2.310−04	2.426−04	2.491−04	2.575−04
5	23	2.398−04	1.625−04	1.347−04	1.092−04	6.780−05	3.034−05	2.140−05	1.440−05
5	24	1.296−04	1.362−04	1.409−04	1.466−04	1.584−04	1.756−04	1.829−04	1.924−04
5	25	1.790−03	1.617−03	1.578−03	1.554−03	1.537−03	1.581−03	1.619−03	1.682−03
5	26	9.104−05	8.190−05	7.983−05	7.864−05	7.779−05	8.007−05	8.205−05	8.531−05
5	27	9.502−04	9.726−04	9.968−04	1.029−03	1.098−03	1.206−03	1.254−03	1.318−03
5	28	5.755−04	4.352−04	3.902−04	3.517−04	2.924−04	2.493−04	2.434−04	2.438−04
5	29	2.611−03	3.942−03	4.695−03	5.606−03	7.916−03	1.211−02	1.408−02	1.639−02
5	30	1.508−02	1.536−02	1.551−02	1.568−02	1.609−02	1.693−02	1.742−02	1.805−02
5	31	1.294−03	1.041−03	9.639−04	9.008−04	8.085−04	7.554−04	7.560−04	7.722−04
5	32	4.639−04	4.439−04	4.474−04	4.578−04	4.958−04	5.870−04	6.348−04	6.938−04
5	33	5.362−04	4.913−04	4.899−04	5.003−04	5.613−04	7.252−04	8.150−04	9.239−04
5	34	5.810−03	6.724−03	7.294−03	8.007−03	9.863−03	1.335−02	1.502−02	1.698−02
5	35	9.318−03	1.131−02	1.241−02	1.372−02	1.700−02	2.292−02	2.573−02	2.899−02
5	36	2.839−03	3.092−03	3.274−03	3.508−03	4.107−03	5.231−03	5.769−03	6.410−03
5	37	8.423−04	7.901−04	7.860−04	7.914−04	8.084−04	8.605−04	8.871−04	9.286−04
5	38	5.500−02	7.002−02	7.811−02	8.770−02	1.116−01	1.549−01	1.753−01	1.990−01
5	39	1.049−03	7.742−04	6.823−04	6.016−04	4.746−04	3.742−04	3.561−04	3.484−04
5	40	3.104−02	3.204−02	3.245−02	3.288−02	3.382−02	3.564−02	3.667−02	3.797−02
5	41	1.011−03	6.373−04	5.151−04	4.078−04	2.364−04	9.295−05	6.145−05	3.964−05
5	42	3.457−03	3.104−03	3.063−03	3.086−03	3.326−03	4.079−03	4.508−03	5.030−03
5	43	2.711−03	2.642−03	2.661−03	2.706−03	2.822−03	3.047−03	3.155−03	3.307−03
5	44	5.153−06	3.368−06	2.757−06	2.208−06	1.325−06	5.572−07	3.817−07	2.513−07
5	45	1.076−04	1.016−04	1.039−04	1.093−04	1.296−04	1.778−04	2.028−04	2.331−04
5	46	1.016−03	8.470−04	7.987−04	7.616−04	7.105−04	6.924−04	7.003−04	7.218−04
5	47	5.724−03	5.648−03	5.650−03	5.672−03	5.761−03	6.027−03	6.196−03	6.423−03
5	48	6.668−05	4.444−05	3.705−05	3.056−05	2.024−05	1.170−05	9.912−06	8.804−06
5	49	2.826−04	2.285−04	2.128−04	2.005−04	1.831−04	1.752−04	1.764−04	1.815−04
5	50	2.893−03	2.393−03	2.258−03	2.161−03	2.023−03	1.992−03	2.017−03	2.086−03
5	51	3.904−02	5.003−02	5.591−02	6.287−02	8.021−02	1.114−01	1.261−01	1.432−01
5	52	7.010−02	9.064−02	1.016−01	1.145−01	1.465−01	2.040−01	2.312−01	2.626−01
5	53	1.317−02	1.661−02	1.849−02	2.072−02	2.631−02	3.642−02	4.122−02	4.677−02
5	54	3.731−04	2.414−04	1.995−04	1.633−04	1.060−04	6.007−05	5.066−05	4.518−05
5	55	1.901−05	1.990−05	2.051−05	2.125−05	2.285−05	2.530−05	2.636−05	2.767−05
5	56	4.897−05	5.470−05	5.761−05	6.082−05	6.723−05	7.597−05	7.945−05	8.368−05
5	57	1.526−05	1.216−05	1.124−05	1.051−05	9.410−06	8.815−06	8.815−06	9.032−06
5	58	4.132−03	4.296−03	4.490−03	4.773−03	5.595−03	7.292−03	8.142−03	9.150−03
5	59	1.133−03	8.469−04	7.613−04	6.920−04	5.930−04	5.484−04	5.556−04	5.790−04
5	60	1.989−03	2.087−03	2.128−03	2.170−03	2.260−03	2.412−03	2.492−03	2.590−03
5	61	7.978−03	9.135−03	9.868−03	1.079−02	1.322−02	1.780−02	2.002−02	2.261−02
5	62	4.808−05	3.613−05	3.216−05	2.866−05	2.312−05	1.888−05	1.820−05	1.795−05
5	63	4.127−04	3.177−04	2.905−04	2.690−04	2.369−04	2.198−04	2.198−04	2.254−04
5	64	4.592−05	4.753−05	4.897−05	5.083−05	5.482−05	6.088−05	6.345−05	6.678−05
5	65	8.179−05	5.788−05	4.983−05	4.265−05	3.103−05	2.140−05	1.942−05	1.818−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
5	66	3.497−05	3.668−05	3.866−05	4.153−05	4.987−05	6.708−05	7.566−05	8.589−05
5	67	2.751−05	1.983−05	1.730−05	1.510−05	1.161−05	8.846−06	8.328−06	8.113−06
5	68	1.796−02	1.889−02	1.926−02	1.964−02	2.046−02	2.186−02	2.261−02	2.350−02
5	69	3.081−04	4.189−04	4.811−04	5.563−04	7.461−04	1.093−03	1.257−03	1.449−03
5	70	1.535−03	2.105−03	2.413−03	2.778−03	3.691−03	5.340−03	6.120−03	7.025−03
5	71	2.812−04	1.878−04	1.563−04	1.281−04	8.184−05	4.237−05	3.360−05	2.729−05
5	72	7.380−05	5.492−05	4.973−05	4.599−05	4.282−05	4.766−05	5.219−05	5.847−05
5	73	5.623−06	3.761−06	3.140−06	2.591−06	1.708−06	9.687−07	8.116−07	7.089−07
5	74	1.237−05	1.019−05	9.580−06	9.122−06	8.466−06	8.250−06	8.338−06	8.603−06
5	75	6.032−06	3.857−06	3.135−06	2.496−06	1.477−06	6.153−07	4.252−07	2.909−07
5	76	1.041−04	7.013−05	5.898−05	4.922−05	3.392−05	2.175−05	1.940−05	1.805−05
5	77	3.311−04	4.724−04	5.536−04	6.528−04	9.059−04	1.372−03	1.593−03	1.852−03
5	78	2.095−04	2.873−04	3.311−04	3.841−04	5.179−04	7.624−04	8.779−04	1.013−03
5	79	1.367−04	1.415−04	1.437−04	1.462−04	1.515−04	1.610−04	1.660−04	1.722−04
5	80	2.798−03	4.086−03	4.814−03	5.698−03	7.941−03	1.206−02	1.400−02	1.627−02
5	81	4.980−04	7.169−04	8.374−04	9.820−04	1.346−03	2.008−03	2.322−03	2.687−03
5	82	5.078−05	3.363−05	2.768−05	2.231−05	1.365−05	6.107−06	4.381−06	3.086−06
5	83	1.311−04	1.289−04	1.328−04	1.401−04	1.653−04	2.230−04	2.527−04	2.886−04
5	84	3.644−03	5.455−03	6.452−03	7.647−03	1.065−02	1.609−02	1.866−02	2.165−02
5	85	5.798−03	8.967−03	1.073−02	1.286−02	1.823−02	2.804−02	3.267−02	3.807−02
5	86	5.683−04	6.613−04	7.265−04	8.120−04	1.048−03	1.513−03	1.741−03	2.009−03
5	87	2.532−03	3.631−03	4.254−03	5.013−03	6.948−03	1.052−02	1.221−02	1.419−02
5	88	2.154−04	2.494−04	2.650−04	2.814−04	3.138−04	3.578−04	3.757−04	3.961−04
5	89	6.418−04	6.905−04	7.121−04	7.346−04	7.812−04	8.530−04	8.870−04	9.267−04
5	90	1.225−03	1.286−03	1.324−03	1.369−03	1.467−03	1.623−03	1.693−03	1.777−03
5	91	4.725−05	5.438−05	5.766−05	6.112−05	6.799−05	7.738−05	8.123−05	8.562−05
5	92	2.730−04	2.453−04	2.382−04	2.331−04	2.286−04	2.341−04	2.399−04	2.486−04
5	93	1.273−04	8.473−05	6.979−05	5.627−05	3.439−05	1.514−05	1.069−05	7.285−06
5	94	5.726−05	4.643−05	4.317−05	4.046−05	3.655−05	3.462−05	3.493−05	3.580−05
5	95	8.079−03	9.330−03	9.906−03	1.051−02	1.172−02	1.335−02	1.401−02	1.477−02
5	96	2.338−04	2.118−04	2.061−04	2.022−04	1.989−04	2.042−04	2.095−04	2.172−04
5	97	3.301−04	2.806−04	2.658−04	2.538−04	2.377−04	2.328−04	2.362−04	2.427−04
5	98	1.352−02	1.591−02	1.698−02	1.812−02	2.033−02	2.329−02	2.446−02	2.581−02
5	99	6.442−03	7.565−03	8.072−03	8.603−03	9.644−03	1.104−02	1.160−02	1.223−02
5	100	4.672−03	5.488−03	5.856−03	6.240−03	6.994−03	8.005−03	8.410−03	8.872−03
5	101	2.428−03	2.848−03	3.037−03	3.236−03	3.625−03	4.147−03	4.357−03	4.596−03
5	102	3.477−03	3.610−03	3.706−03	3.824−03	4.087−03	4.513−03	4.704−03	4.937−03
5	103	7.508−04	5.694−04	5.102−04	4.590−04	3.800−04	3.228−04	3.150−04	3.144−04
5	104	3.956−04	3.078−04	2.794−04	2.549−04	2.178−04	1.924−04	1.900−04	1.913−04
5	105	5.965−04	4.490−04	4.007−04	3.587−04	2.938−04	2.459−04	2.389−04	2.376−04
5	106	1.383−04	2.109−04	2.513−04	3.000−04	4.227−04	6.463−04	7.516−04	8.745−04
5	107	7.355−05	5.504−05	4.896−05	4.367−05	3.545−05	2.931−05	2.837−05	2.813−05
5	108	6.485−05	4.741−05	4.147−05	3.629−05	2.887−05	2.485−05	2.516−05	2.628−05
5	109	1.960−04	2.817−04	3.303−04	3.892−04	5.393−04	8.162−04	9.476−04	1.101−03
5	110	1.753−04	2.724−04	3.269−04	3.928−04	5.597−04	8.654−04	1.010−03	1.178−03
5	111	1.572−06	1.058−06	8.750−07	7.084−07	4.378−07	1.964−07	1.398−07	9.598−08
5	112	3.643−05	3.409−05	3.431−05	3.537−05	4.034−05	5.333−05	6.040−05	6.893−05
5	113	2.326−06	1.559−06	1.288−06	1.041−06	6.418−07	2.877−07	2.053−07	1.417−07
5	114	4.810−04	5.533−04	5.871−04	6.231−04	6.944−04	7.919−04	8.313−04	8.767−04
5	115	3.968−04	4.678−04	5.001−04	5.341−04	6.004−04	6.891−04	7.242−04	7.644−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
5	116	1.681−04	1.933−04	2.050−04	2.174−04	2.420−04	2.756−04	2.893−04	3.049−04
5	117	2.622−04	3.045−04	3.239−04	3.444−04	3.849−04	4.398−04	4.619−04	4.872−04
5	118	3.832−05	4.464−05	4.752−05	5.055−05	5.653−05	6.460−05	6.784−05	7.155−05
5	119	1.656−04	1.115−04	9.310−05	7.664−05	5.016−05	2.756−05	2.261−05	1.911−05
5	120	4.902−06	5.234−06	5.581−06	6.083−06	7.591−06	1.077−05	1.236−05	1.425−05
5	121	2.840−05	3.192−05	3.364−05	3.549−05	3.922−05	4.445−05	4.660−05	4.909−05
5	122	3.998−05	3.221−05	2.979−05	2.777−05	2.483−05	2.318−05	2.322−05	2.367−05
5	123	1.130−04	7.988−05	6.877−05	5.895−05	4.335−05	3.064−05	2.809−05	2.660−05
5	124	9.037−06	6.231−06	5.288−06	4.451−06	3.114−06	2.004−06	1.772−06	1.623−06
5	125	1.413−05	1.129−05	1.039−05	9.631−06	8.501−06	7.806−06	7.777−06	7.893−06
6	7	1.168−02	9.678−03	8.679−03	7.828−03	7.137−03	5.778−03	5.578−03	5.550−03
6	8	9.868−03	7.841−03	6.940−03	6.160−03	5.339−03	4.125−03	3.921−03	3.848−03
6	9	9.222−03	7.925−03	7.208−03	6.602−03	6.235−03	5.266−03	5.148−03	5.172−03
6	10	1.640−02	1.327−02	1.183−02	1.058−02	9.356−03	7.440−03	7.131−03	7.045−03
6	11	6.429−02	7.690−02	8.224−02	8.761−02	9.954−02	1.154−01	1.237−01	1.329−01
6	12	7.683−02	9.181−02	9.832−02	1.050−01	1.198−01	1.400−01	1.505−01	1.621−01
6	13	1.802−01	2.147−01	2.299−01	2.453−01	2.801−01	3.279−01	3.525−01	3.799−01
6	14	1.494−01	1.787−01	1.916−01	2.049−01	2.347−01	2.760−01	2.971−01	3.206−01
6	15	1.336−02	1.558−02	1.661−02	1.774−02	2.030−02	2.440−02	2.625−02	2.839−02
6	16	1.266−05	1.438−05	1.522−05	1.612−05	1.791−05	2.029−05	2.125−05	2.239−05
6	17	8.526−05	1.384−04	1.674−04	2.019−04	2.880−04	4.418−04	5.137−04	5.973−04
6	18	3.218−05	3.447−05	3.646−05	3.917−05	4.693−05	6.195−05	6.929−05	7.792−05
6	19	2.353−04	2.003−04	1.927−04	1.897−04	1.996−04	2.450−04	2.728−04	3.077−04
6	20	3.956−04	3.855−04	3.965−04	4.182−04	4.971−04	6.776−04	7.711−04	8.837−04
6	21	8.569−05	8.691−05	8.751−05	8.819−05	8.983−05	9.342−05	9.556−05	9.850−05
6	22	1.407−05	1.442−05	1.478−05	1.526−05	1.629−05	1.790−05	1.862−05	1.956−05
6	23	7.083−04	1.109−03	1.331−03	1.595−03	2.256−03	3.425−03	3.968−03	4.599−03
6	24	5.625−04	4.637−04	4.338−04	4.096−04	3.744−04	3.557−04	3.573−04	3.658−04
6	25	1.002−03	9.030−04	8.788−04	8.634−04	8.490−04	8.674−04	8.870−04	9.199−04
6	26	3.164−03	3.083−03	3.068−03	3.064−03	3.084−03	3.196−03	3.278−03	3.390−03
6	27	4.889−04	4.495−04	4.423−04	4.398−04	4.417−04	4.610−04	4.739−04	4.940−04
6	28	5.411−04	5.773−04	6.015−04	6.308−04	6.887−04	7.702−04	8.038−04	8.481−04
6	29	4.365−05	3.738−05	3.640−05	3.642−05	3.951−05	5.014−05	5.624−05	6.384−05
6	30	9.859−04	7.146−04	6.242−04	5.450−04	4.198−04	3.196−04	3.009−04	2.920−04
6	31	9.591−03	9.825−03	9.928−03	1.004−02	1.029−02	1.080−02	1.110−02	1.148−02
6	32	3.342−03	3.494−03	3.666−03	3.912−03	4.631−03	6.108−03	6.844−03	7.717−03
6	33	9.473−05	1.014−04	1.078−04	1.167−04	1.419−04	1.905−04	2.142−04	2.419−04
6	34	2.741−03	2.494−03	2.481−03	2.522−03	2.776−03	3.496−03	3.895−03	4.379−03
6	35	4.204−03	4.745−03	5.096−03	5.537−03	6.688−03	8.853−03	9.896−03	1.112−02
6	36	2.996−03	3.431−03	3.713−03	4.071−03	5.019−03	6.826−03	7.702−03	8.725−03
6	37	7.491−04	7.310−04	7.483−04	7.816−04	8.965−04	1.158−03	1.294−03	1.456−03
6	38	1.648−03	1.094−03	9.146−04	7.586−04	5.101−04	3.090−04	2.672−04	2.426−04
6	39	9.032−05	8.731−05	8.662−05	8.622−05	8.637−05	8.909−05	9.124−05	9.423−05
6	40	1.120−04	1.040−04	1.026−04	1.022−04	1.031−04	1.080−04	1.112−04	1.158−04
6	41	7.754−03	9.976−03	1.116−02	1.255−02	1.595−02	2.199−02	2.482−02	2.811−02
6	42	4.671−02	6.004−02	6.707−02	7.536−02	9.587−02	1.326−01	1.499−01	1.699−01
6	43	3.689−05	3.072−05	2.897−05	2.761−05	2.577−05	2.514−05	2.545−05	2.622−05
6	44	5.815−04	8.554−04	1.014−03	1.206−03	1.699−03	2.594−03	3.016−03	3.507−03
6	45	9.095−04	8.695−04	8.643−04	8.662−04	8.925−04	9.677−04	1.012−03	1.064−03
6	46	8.902−04	9.265−04	9.414−04	9.566−04	9.891−04	1.046−03	1.077−03	1.116−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
6	47	1.037−04	7.239−05	6.157−05	5.184−05	3.610−05	2.266−05	1.976−05	1.774−05
6	48	4.129−05	4.734−05	5.049−05	5.400−05	6.064−05	6.928−05	7.260−05	7.682−05
6	49	3.574−05	2.677−05	2.388−05	2.140−05	1.755−05	1.472−05	1.428−05	1.424−05
6	50	4.339−05	3.260−05	2.937−05	2.673−05	2.268−05	2.009−05	1.983−05	2.014−05
6	51	4.981−04	6.366−04	7.117−04	8.010−04	1.023−03	1.424−03	1.614−03	1.833−03
6	52	5.902−05	4.628−05	4.255−05	3.959−05	3.513−05	3.271−05	3.270−05	3.349−05
6	53	5.923−05	5.856−05	6.007−05	6.274−05	7.155−05	9.124−05	1.014−04	1.135−04
6	54	1.309−04	1.601−04	1.763−04	1.958−04	2.452−04	3.350−04	3.777−04	4.272−04
6	55	3.521−04	2.364−04	1.970−04	1.617−04	1.050−04	5.656−05	4.581−05	3.818−05
6	56	1.585−02	1.632−02	1.651−02	1.670−02	1.716−02	1.805−02	1.857−02	1.922−02
6	57	4.085−05	5.172−05	5.835−05	6.662−05	8.824−05	1.290−04	1.486−04	1.715−04
6	58	1.735−03	2.245−03	2.519−03	2.842−03	3.647−03	5.097−03	5.782−03	6.576−03
6	59	1.752−03	2.321−03	2.624−03	2.983−03	3.876−03	5.479−03	6.236−03	7.113−03
6	60	1.605−03	1.330−03	1.249−03	1.184−03	1.092−03	1.049−03	1.057−03	1.085−03
6	61	1.320−04	9.337−05	8.107−05	7.052−05	5.393−05	4.131−05	3.904−05	3.825−05
6	62	4.661−03	4.847−03	4.941−03	5.045−03	5.268−03	5.644−03	5.834−03	6.072−03
6	63	2.212−04	2.729−04	3.007−04	3.338−04	4.165−04	5.660−04	6.370−04	7.191−04
6	64	7.379−04	8.001−04	8.372−04	8.807−04	9.675−04	1.089−03	1.137−03	1.200−03
6	65	1.623−04	1.295−04	1.194−04	1.110−04	9.831−05	9.051−05	9.019−05	9.179−05
6	66	5.009−05	6.525−05	7.457−05	8.615−05	1.155−04	1.690−04	1.941−04	2.237−04
6	67	3.037−05	2.294−05	2.055−05	1.852−05	1.541−05	1.322−05	1.295−05	1.299−05
6	68	2.845−04	2.023−04	1.753−04	1.517−04	1.134−04	8.287−05	7.696−05	7.386−05
6	69	5.477−02	7.169−02	8.070−02	9.133−02	1.178−01	1.653−01	1.877−01	2.136−01
6	70	2.375−03	1.730−03	1.528−03	1.357−03	1.089−03	8.960−04	8.655−04	8.634−04
6	71	1.359−02	1.433−02	1.463−02	1.492−02	1.556−02	1.664−02	1.720−02	1.788−02
6	72	9.780−03	1.236−02	1.376−02	1.544−02	1.967−02	2.732−02	3.096−02	3.517−02
6	73	2.287−05	2.583−05	2.722−05	2.870−05	3.166−05	3.577−05	3.747−05	3.944−05
6	74	1.214−03	1.349−03	1.442−03	1.562−03	1.888−03	2.518−03	2.827−03	3.187−03
6	75	8.354−04	1.128−03	1.290−03	1.484−03	1.974−03	2.865−03	3.287−03	3.778−03
6	76	3.266−03	3.624−03	3.884−03	4.223−03	5.122−03	6.853−03	7.691−03	8.683−03
6	77	5.399−04	5.370−04	5.468−04	5.636−04	6.166−04	7.312−04	7.898−04	8.601−04
6	78	9.958−04	9.920−04	1.014−03	1.050−03	1.144−03	1.334−03	1.425−03	1.542−03
6	79	1.828−04	2.179−04	2.334−04	2.494−04	2.807−04	3.217−04	3.379−04	3.564−04
6	80	4.871−04	5.125−04	5.440−04	5.902−04	7.288−04	1.008−03	1.144−03	1.305−03
6	81	3.086−04	4.165−04	4.801−04	5.585−04	7.608−04	1.138−03	1.317−03	1.527−03
6	82	3.368−04	4.788−04	5.575−04	6.524−04	8.926−04	1.333−03	1.541−03	1.784−03
6	83	1.995−03	3.094−03	3.694−03	4.412−03	6.210−03	9.467−03	1.100−02	1.279−02
6	84	2.209−04	2.102−04	2.140−04	2.234−04	2.601−04	3.484−04	3.947−04	4.509−04
6	85	3.651−04	2.510−04	2.106−04	1.739−04	1.145−04	6.230−05	5.032−05	4.146−05
6	86	2.180−03	3.248−03	3.834−03	4.538−03	6.306−03	9.524−03	1.104−02	1.281−02
6	87	3.015−03	4.666−03	5.580−03	6.678−03	9.441−03	1.446−02	1.683−02	1.959−02
6	88	4.950−04	5.742−04	6.100−04	6.474−04	7.213−04	8.211−04	8.617−04	9.082−04
6	89	9.968−05	7.360−05	6.513−05	5.777−05	4.613−05	3.732−05	3.587−05	3.539−05
6	90	1.054−03	1.146−03	1.194−03	1.247−03	1.357−03	1.519−03	1.588−03	1.669−03
6	91	1.133−04	1.223−04	1.271−04	1.324−04	1.436−04	1.602−04	1.674−04	1.759−04
6	92	1.788−04	1.199−04	9.983−05	8.181−05	5.273−05	2.777−05	2.222−05	1.821−05
6	93	1.072−03	1.677−03	2.010−03	2.408−03	3.406−03	5.215−03	6.067−03	7.059−03
6	94	8.941−04	9.415−04	9.613−04	9.817−04	1.026−03	1.102−03	1.141−03	1.188−03
6	95	2.669−03	2.867−03	2.974−03	3.094−03	3.348−03	3.729−03	3.897−03	4.093−03
6	96	2.540−03	3.080−03	3.316−03	3.559−03	4.030−03	4.644−03	4.885−03	5.158−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
6	97	7.238−04	8.148−04	8.579−04	9.038−04	9.960−04	1.124−03	1.178−03	1.240−03
6	98	9.980−04	6.544−04	5.367−04	4.310−04	2.595−04	1.103−04	7.595−05	5.026−05
6	99	5.300−04	3.688−04	3.146−04	2.665−04	1.897−04	1.262−04	1.130−04	1.047−04
6	100	4.995−04	4.082−04	3.797−04	3.558−04	3.214−04	3.028−04	3.042−04	3.104−04
6	101	1.947−04	1.338−04	1.132−04	9.492−05	6.553−05	4.090−05	3.566−05	3.219−05
6	102	7.739−03	9.258−03	9.931−03	1.063−02	1.199−02	1.378−02	1.448−02	1.529−02
6	103	3.935−03	4.704−03	5.045−03	5.399−03	6.088−03	6.996−03	7.355−03	7.763−03
6	104	1.619−03	1.946−03	2.090−03	2.240−03	2.530−03	2.911−03	3.060−03	3.231−03
6	105	3.369−03	4.054−03	4.357−03	4.670−03	5.278−03	6.075−03	6.388−03	6.744−03
6	106	1.596−04	2.247−04	2.628−04	3.096−04	4.296−04	6.519−04	7.573−04	8.808−04
6	107	2.095−04	2.505−04	2.688−04	2.878−04	3.246−04	3.733−04	3.926−04	4.146−04
6	108	1.377−04	1.289−04	1.280−04	1.290−04	1.380−04	1.645−04	1.797−04	1.978−04
6	109	3.191−04	4.890−04	5.846−04	7.003−04	9.936−04	1.531−03	1.784−03	2.080−03
6	110	8.671−05	5.973−05	5.010−05	4.133−05	2.708−05	1.445−05	1.151−05	9.310−06
6	111	5.606−04	8.497−04	1.008−03	1.198−03	1.674−03	2.540−03	2.948−03	3.424−03
6	112	2.668−04	3.939−04	4.647−04	5.502−04	7.665−04	1.163−03	1.351−03	1.570−03
6	113	1.140−05	1.505−05	1.725−05	1.998−05	2.703−05	4.018−05	4.645−05	5.377−05
6	114	7.560−04	8.704−04	9.236−04	9.802−04	1.092−03	1.245−03	1.306−03	1.377−03
6	115	2.471−04	1.621−04	1.330−04	1.068−04	6.439−05	2.742−05	1.890−05	1.252−05
6	116	3.005−04	3.298−04	3.446−04	3.610−04	3.947−04	4.433−04	4.639−04	4.880−04
6	117	1.416−04	1.007−04	8.694−05	7.470−05	5.531−05	3.947−05	3.638−05	3.453−05
6	118	4.991−04	5.941−04	6.366−04	6.810−04	7.673−04	8.819−04	9.273−04	9.790−04
6	119	3.372−04	3.369−04	3.410−04	3.471−04	3.636−04	3.947−04	4.102−04	4.293−04
6	120	7.814−06	8.242−06	8.756−06	9.495−06	1.155−05	1.558−05	1.751−05	1.982−05
6	121	1.760−04	1.903−04	1.981−04	2.068−04	2.249−04	2.518−04	2.634−04	2.771−04
6	122	4.177−04	4.798−04	5.089−04	5.400−04	6.015−04	6.858−04	7.198−04	7.591−04
6	123	5.148−04	6.104−04	6.535−04	6.987−04	7.866−04	9.037−04	9.500−04	1.003−03
6	124	8.597−06	9.412−06	9.838−06	1.031−05	1.129−05	1.272−05	1.333−05	1.405−05
6	125	1.273−05	1.326−05	1.362−05	1.406−05	1.502−05	1.655−05	1.723−05	1.807−05
7	8	7.879−03	6.677−03	6.038−03	5.501−03	5.150−03	4.278−03	4.167−03	4.179−03
7	9	1.668−03	1.108−03	9.138−04	7.382−04	4.520−04	1.996−04	1.398−04	9.430−05
7	10	7.874−03	6.152−03	5.412−03	4.761−03	4.009−03	3.021−03	2.840−03	2.757−03
7	11	9.762−02	1.171−01	1.253−01	1.335−01	1.517−01	1.757−01	1.883−01	2.021−01
7	12	2.123−01	2.546−01	2.729−01	2.914−01	3.327−01	3.887−01	4.176−01	4.496−01
7	13	3.233−04	2.233−04	1.865−04	1.525−04	9.688−05	4.537−05	3.283−05	2.284−05
7	14	4.311−02	5.148−02	5.517−02	5.895−02	6.744−02	7.918−02	8.519−02	9.190−02
7	15	8.048−03	9.553−03	1.023−02	1.093−02	1.252−02	1.476−02	1.591−02	1.719−02
7	16	1.866−05	1.830−05	1.823−05	1.821−05	1.837−05	1.921−05	1.981−05	2.056−05
7	17	5.164−06	4.476−06	4.324−06	4.250−06	4.373−06	5.065−06	5.499−06	6.032−06
7	18	7.286−05	8.639−05	9.467−05	1.051−04	1.326−04	1.849−04	2.102−04	2.398−04
7	19	3.973−05	3.521−05	3.455−05	3.473−05	3.791−05	4.815−05	5.399−05	6.122−05
7	20	1.593−04	1.100−04	9.247−05	7.656−05	5.120−05	2.939−05	2.471−05	2.144−05
7	21	8.883−05	9.986−05	1.050−04	1.104−04	1.212−04	1.360−04	1.421−04	1.493−04
7	22	5.035−05	5.264−05	5.408−05	5.575−05	5.943−05	6.535−05	6.817−05	7.151−05
7	23	3.678−04	5.840−04	7.033−04	8.454−04	1.200−03	1.826−03	2.118−03	2.456−03
7	24	1.391−04	1.202−04	1.138−04	1.081−04	9.940−05	9.397−05	9.407−05	9.538−05
7	25	4.948−04	4.522−04	4.440−04	4.406−04	4.409−04	4.584−04	4.708−04	4.907−04
7	26	1.352−04	1.068−04	9.798−05	9.060−05	7.930−05	7.173−05	7.113−05	7.230−05
7	27	4.473−04	3.954−04	3.777−04	3.620−04	3.383−04	3.253−04	3.274−04	3.331−04
7	28	3.301−03	3.377−03	3.408−03	3.441−03	3.519−03	3.685−03	3.785−03	3.914−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
7	29	2.172−05	1.476−05	1.227−05	9.991−06	6.252−06	2.870−06	2.058−06	1.422−06
7	30	4.842−04	3.257−04	2.717−04	2.235−04	1.460−04	7.982−05	6.519−05	5.493−05
7	31	6.542−04	6.834−04	7.068−04	7.362−04	7.956−04	8.823−04	9.190−04	9.684−04
7	32	1.525−04	9.709−05	7.931−05	6.391−05	3.986−05	2.131−05	1.794−05	1.623−05
7	33	1.205−04	1.933−04	2.334−04	2.813−04	4.013−04	6.164−04	7.171−04	8.344−04
7	34	4.406−04	3.248−04	2.896−04	2.604−04	2.152−04	1.846−04	1.807−04	1.823−04
7	35	6.062−04	4.233−04	3.648−04	3.143−04	2.344−04	1.724−04	1.607−04	1.557−04
7	36	1.122−03	1.038−03	1.039−03	1.061−03	1.178−03	1.491−03	1.663−03	1.870−03
7	37	5.973−04	5.436−04	5.389−04	5.452−04	5.914−04	7.274−04	8.032−04	8.961−04
7	38	7.431−04	4.768−04	3.907−04	3.155−04	1.956−04	9.700−05	7.594−05	6.234−05
7	39	1.896−05	1.665−05	1.605−05	1.564−05	1.518−05	1.535−05	1.567−05	1.623−05
7	40	4.786−05	4.071−05	3.865−05	3.703−05	3.493−05	3.442−05	3.493−05	3.596−05
7	41	2.440−02	3.172−02	3.558−02	4.012−02	5.136−02	7.144−02	8.091−02	9.185−02
7	42	9.513−04	1.003−03	1.041−03	1.090−03	1.180−03	1.315−03	1.368−03	1.441−03
7	43	2.492−05	1.616−05	1.319−05	1.054−05	6.262−06	2.585−06	1.754−06	1.141−06
7	44	1.472−04	1.480−04	1.544−04	1.651−04	2.006−04	2.778−04	3.172−04	3.641−04
7	45	1.300−03	1.359−03	1.395−03	1.438−03	1.554−03	1.760−03	1.862−03	1.975−03
7	46	5.051−05	5.059−05	5.144−05	5.273−05	5.566−05	6.060−05	6.287−05	6.595−05
7	47	3.341−05	2.893−05	2.769−05	2.675−05	2.565−05	2.571−05	2.621−05	2.707−05
7	48	1.997−03	2.079−03	2.111−03	2.144−03	2.217−03	2.349−03	2.422−03	2.512−03
7	49	6.955−04	6.942−04	6.947−04	6.961−04	7.032−04	7.283−04	7.461−04	7.698−04
7	50	3.539−05	2.237−05	1.810−05	1.434−05	8.315−06	3.234−06	2.105−06	1.315−06
7	51	5.744−05	4.551−05	4.201−05	3.924−05	3.507−05	3.286−05	3.288−05	3.369−05
7	52	2.495−05	1.601−05	1.322−05	1.085−05	7.104−06	4.185−06	3.615−06	3.315−06
7	53	4.628−04	5.878−04	6.564−04	7.383−04	9.439−04	1.316−03	1.492−03	1.697−03
7	54	3.101−05	2.571−05	2.453−05	2.394−05	2.457−05	2.933−05	3.236−05	3.623−05
7	55	5.985−03	6.177−03	6.255−03	6.334−03	6.510−03	6.849−03	7.045−03	7.290−03
7	56	4.400−04	2.941−04	2.441−04	1.992−04	1.267−04	6.422−05	5.014−05	3.988−05
7	57	9.201−04	1.298−03	1.506−03	1.753−03	2.373−03	3.493−03	4.022−03	4.637−03
7	58	6.499−05	6.836−05	7.093−05	7.419−05	8.030−05	8.953−05	9.315−05	9.818−05
7	59	6.836−03	8.868−03	9.939−03	1.120−02	1.432−02	1.990−02	2.254−02	2.558−02
7	60	1.061−03	1.099−03	1.133−03	1.177−03	1.268−03	1.406−03	1.465−03	1.542−03
7	61	4.963−05	3.875−05	3.554−05	3.297−05	2.908−05	2.688−05	2.682−05	2.742−05
7	62	6.089−04	4.799−04	4.391−04	4.047−04	3.523−04	3.170−04	3.139−04	3.179−04
7	63	1.293−03	1.718−03	1.944−03	2.211−03	2.875−03	4.068−03	4.632−03	5.284−03
7	64	1.212−03	1.209−03	1.210−03	1.214−03	1.230−03	1.281−03	1.317−03	1.362−03
7	65	1.395−04	9.708−05	8.304−05	7.063−05	5.050−05	3.400−05	3.064−05	2.861−05
7	66	9.439−04	1.245−03	1.415−03	1.620−03	2.145−03	3.112−03	3.573−03	4.110−03
7	67	9.537−03	1.003−02	1.023−02	1.043−02	1.085−02	1.157−02	1.195−02	1.241−02
7	68	8.710−05	8.980−05	9.217−05	9.523−05	1.019−04	1.123−04	1.168−04	1.226−04
7	69	6.208−04	3.924−04	3.177−04	2.521−04	1.473−04	5.960−05	4.029−05	2.696−05
7	70	1.125−03	1.063−03	1.062−03	1.074−03	1.105−03	1.183−03	1.221−03	1.280−03
7	71	4.741−05	4.752−05	4.851−05	5.000−05	5.309−05	5.814−05	6.035−05	6.350−05
7	72	1.700−02	2.201−02	2.468−02	2.783−02	3.567−02	4.974−02	5.639−02	6.408−02
7	73	6.548−04	7.123−04	7.417−04	7.739−04	8.412−04	9.392−04	9.816−04	1.031−03
7	74	1.213−02	1.587−02	1.785−02	2.019−02	2.600−02	3.641−02	4.133−02	4.702−02
7	75	7.520−04	8.331−04	8.786−04	9.332−04	1.074−03	1.330−03	1.454−03	1.595−03
7	76	1.018−03	7.689−04	6.922−04	6.286−04	5.302−04	4.645−04	4.567−04	4.617−04
7	77	5.073−04	6.631−04	7.625−04	8.883−04	1.220−03	1.848−03	2.147−03	2.500−03
7	78	1.379−03	1.530−03	1.653−03	1.820−03	2.287−03	3.218−03	3.675−03	4.215−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
7	79	5.637−04	5.531−04	5.561−04	5.630−04	5.837−04	6.283−04	6.514−04	6.807−04
7	80	4.094−05	2.640−05	2.162−05	1.742−05	1.072−05	5.101−06	3.871−06	3.046−06
7	81	2.496−04	1.653−04	1.359−04	1.093−04	6.624−05	2.849−05	1.979−05	1.315−05
7	82	1.197−03	1.828−03	2.174−03	2.587−03	3.625−03	5.508−03	6.396−03	7.429−03
7	83	7.914−04	1.160−03	1.367−03	1.619−03	2.258−03	3.433−03	3.990−03	4.640−03
7	84	1.570−03	2.355−03	2.781−03	3.288−03	4.553−03	6.836−03	7.911−03	9.161−03
7	85	2.703−05	2.348−05	2.271−05	2.229−05	2.184−05	2.249−05	2.302−05	2.402−05
7	86	1.810−03	2.650−03	3.105−03	3.647−03	5.001−03	7.449−03	8.604−03	9.946−03
7	87	1.829−05	1.369−05	1.221−05	1.096−05	8.964−06	7.491−06	7.240−06	7.230−06
7	88	1.599−03	1.807−03	1.904−03	2.009−03	2.218−03	2.509−03	2.630−03	2.769−03
7	89	1.028−04	1.201−04	1.280−04	1.363−04	1.525−04	1.741−04	1.826−04	1.925−04
7	90	2.154−03	2.506−03	2.665−03	2.832−03	3.160−03	3.601−03	3.781−03	3.985−03
7	91	1.743−04	1.141−04	9.349−05	7.503−05	4.511−05	1.911−05	1.314−05	8.687−06
7	92	6.377−04	4.181−04	3.428−04	2.753−04	1.657−04	7.040−05	4.845−05	3.205−05
7	93	2.997−04	4.943−04	6.016−04	7.301−04	1.052−03	1.634−03	1.907−03	2.225−03
7	94	3.584−05	3.210−05	3.110−05	3.038−05	2.963−05	3.019−05	3.092−05	3.201−05
7	95	3.460−05	2.276−05	1.869−05	1.504−05	9.103−06	3.929−06	2.735−06	1.840−06
7	96	1.594−03	1.747−03	1.825−03	1.912−03	2.089−03	2.346−03	2.454−03	2.582−03
7	97	2.175−03	2.598−03	2.786−03	2.981−03	3.360−03	3.859−03	4.056−03	4.281−03
7	98	1.506−07	1.078−07	9.479−08	8.389−08	6.657−08	5.459−08	5.281−08	5.276−08
7	99	1.096−03	1.329−03	1.430−03	1.535−03	1.738−03	2.002−03	2.106−03	2.223−03
7	100	4.525−05	3.897−05	3.717−05	3.578−05	3.399−05	3.381−05	3.440−05	3.548−05
7	101	1.884−05	1.847−05	1.838−05	1.833−05	1.838−05	1.895−05	1.940−05	2.001−05
7	102	3.063−05	2.011−05	1.653−05	1.332−05	8.128−06	3.642−06	2.619−06	1.868−06
7	103	2.385−03	2.900−03	3.125−03	3.356−03	3.803−03	4.385−03	4.614−03	4.872−03
7	104	4.612−05	4.783−05	4.864−05	4.952−05	5.161−05	5.541−05	5.743−05	5.981−05
7	105	1.333−03	1.613−03	1.736−03	1.863−03	2.109−03	2.430−03	2.555−03	2.697−03
7	106	2.208−04	3.323−04	3.929−04	4.651−04	6.456−04	9.721−04	1.126−03	1.305−03
7	107	1.887−04	1.948−04	1.976−04	2.004−04	2.072−04	2.201−04	2.274−04	2.362−04
7	108	6.036−06	4.038−06	3.353−06	2.741−06	1.753−06	8.994−07	7.053−07	5.675−07
7	109	1.850−06	1.360−06	1.211−06	1.087−06	8.960−07	7.655−07	7.476−07	7.545−07
7	110	7.393−06	6.827−06	6.778−06	6.831−06	6.984−06	7.469−06	7.705−06	8.095−06
7	111	2.699−06	2.501−06	2.461−06	2.449−06	2.522−06	2.823−06	3.010−06	3.239−06
7	112	2.469−05	3.210−05	3.624−05	4.123−05	5.398−05	7.752−05	8.878−05	1.019−04
7	113	2.795−05	2.640−05	2.679−05	2.787−05	3.227−05	4.270−05	4.807−05	5.455−05
7	114	6.398−07	4.219−07	3.479−07	2.818−07	1.748−07	8.285−08	6.199−08	4.689−08
7	115	8.542−08	8.944−08	9.267−08	9.673−08	1.042−07	1.157−07	1.201−07	1.262−07
7	116	3.507−05	4.197−05	4.504−05	4.825−05	5.446−05	6.266−05	6.588−05	6.955−05
7	117	7.973−05	9.585−05	1.030−04	1.105−04	1.249−04	1.439−04	1.512−04	1.596−04
7	118	1.768−06	1.653−06	1.619−06	1.591−06	1.560−06	1.572−06	1.593−06	1.631−06
7	119	6.107−06	3.994−06	3.273−06	2.628−06	1.583−06	6.780−07	4.707−07	3.171−07
7	120	2.223−04	3.221−04	3.787−04	4.475−04	6.231−04	9.472−04	1.101−03	1.281−03
7	121	8.207−07	7.296−07	7.086−07	6.966−07	6.974−07	7.419−07	7.704−07	8.062−07
7	122	1.171−05	1.235−05	1.275−05	1.321−05	1.422−05	1.580−05	1.651−05	1.736−05
7	123	2.878−05	3.161−05	3.307−05	3.469−05	3.800−05	4.281−05	4.482−05	4.719−05
7	124	2.306−04	2.412−04	2.480−04	2.562−04	2.745−04	3.035−04	3.166−04	3.322−04
7	125	5.089−04	5.690−04	5.986−04	6.308−04	6.958−04	7.875−04	8.253−04	8.695−04
8	9	2.282−02	1.958−02	1.779−02	1.629−02	1.543−02	1.300−02	1.271−02	1.278−02
8	10	7.443−03	5.057−03	4.207−03	3.441−03	2.234−03	1.133−03	8.810−04	6.953−04
8	11	6.593−03	7.842−03	8.359−03	8.876−03	1.002−02	1.153−02	1.233−02	1.321−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
8	12	1.458−01	1.744−01	1.867−01	1.991−01	2.266−01	2.637−01	2.830−01	3.043−01
8	13	2.906−01	3.479−01	3.726−01	3.976−01	4.533−01	5.287−01	5.677−01	6.109−01
8	14	1.302−04	8.944−05	7.453−05	6.081−05	3.837−05	1.774−05	1.273−05	8.757−06
8	15	9.424−02	1.110−01	1.186−01	1.264−01	1.441−01	1.691−01	1.821−01	1.965−01
8	16	1.780−05	2.047−05	2.172−05	2.306−05	2.568−05	2.911−05	3.048−05	3.210−05
8	17	3.619−06	3.577−06	3.606−06	3.660−06	3.784−06	4.045−06	4.172−06	4.349−06
8	18	9.440−05	1.528−04	1.848−04	2.230−04	3.183−04	4.882−04	5.676−04	6.599−04
8	19	2.531−06	1.694−06	1.399−06	1.131−06	6.964−07	3.082−07	2.167−07	1.464−07
8	20	4.636−05	3.981−05	3.818−05	3.724−05	3.780−05	4.315−05	4.671−05	5.123−05
8	21	9.199−06	7.823−06	7.426−06	7.116−06	6.698−06	6.565−06	6.652−06	6.852−06
8	22	1.872−04	1.938−04	1.966−04	1.995−04	2.054−04	2.153−04	2.204−04	2.275−04
8	23	1.494−05	1.012−05	8.391−06	6.807−06	4.233−06	1.904−06	1.350−06	9.162−07
8	24	1.315−05	1.467−05	1.547−05	1.636−05	1.809−05	2.040−05	2.132−05	2.248−05
8	25	1.066−04	9.915−05	9.792−05	9.765−05	9.854−05	1.031−04	1.060−04	1.105−04
8	26	5.878−05	6.533−05	6.883−05	7.275−05	8.035−05	9.053−05	9.460−05	9.976−05
8	27	2.780−05	1.956−05	1.683−05	1.445−05	1.069−05	7.668−06	7.081−06	6.773−06
8	28	5.617−05	5.669−05	5.785−05	5.951−05	6.315−05	6.903−05	7.169−05	7.530−05
8	29	1.538−03	1.767−03	1.940−03	2.170−03	2.815−03	4.078−03	4.693−03	5.420−03
8	30	5.198−04	4.735−04	4.581−04	4.447−04	4.257−04	4.198−04	4.252−04	4.351−04
8	31	8.889−05	6.435−05	5.622−05	4.909−05	3.781−05	2.882−05	2.715−05	2.638−05
8	32	6.701−05	7.392−05	7.908−05	8.581−05	1.039−04	1.373−04	1.533−04	1.720−04
8	33	2.103−03	3.178−03	3.786−03	4.518−03	6.368−03	9.685−03	1.124−02	1.304−02
8	34	3.513−04	3.770−04	3.979−04	4.259−04	5.043−04	6.600−04	7.367−04	8.272−04
8	35	1.506−03	1.966−03	2.213−03	2.505−03	3.230−03	4.528−03	5.140−03	5.849−03
8	36	1.790−04	1.890−04	1.986−04	2.120−04	2.492−04	3.233−04	3.597−04	4.031−04
8	37	4.002−05	2.835−05	2.473−05	2.168−05	1.690−05	1.343−05	1.287−05	1.277−05
8	38	8.451−04	8.962−04	9.452−04	1.014−03	1.213−03	1.621−03	1.825−03	2.065−03
8	39	2.049−03	1.915−03	1.895−03	1.894−03	1.919−03	2.017−03	2.077−03	2.166−03
8	40	3.287−03	3.062−03	3.020−03	3.005−03	3.019−03	3.145−03	3.231−03	3.361−03
8	41	1.175−04	9.884−05	9.441−05	9.177−05	9.076−05	9.864−05	1.043−04	1.122−04
8	42	1.630−04	1.108−04	9.417−05	7.994−05	5.814−05	4.257−05	4.040−05	4.003−05
8	43	2.959−03	2.321−03	2.119−03	1.948−03	1.690−03	1.515−03	1.499−03	1.517−03
8	44	1.031−04	7.047−05	5.870−05	4.793−05	3.041−05	1.458−05	1.082−05	7.903−06
8	45	7.627−04	1.099−03	1.292−03	1.526−03	2.125−03	3.218−03	3.734−03	4.337−03
8	46	1.595−03	1.384−03	1.328−03	1.289−03	1.243−03	1.249−03	1.273−03	1.319−03
8	47	3.087−02	3.162−02	3.193−02	3.226−02	3.305−02	3.466−02	3.562−02	3.685−02
8	48	1.703−04	1.806−04	1.879−04	1.967−04	2.146−04	2.401−04	2.506−04	2.644−04
8	49	8.896−04	9.672−04	1.014−03	1.068−03	1.176−03	1.324−03	1.383−03	1.460−03
8	50	4.417−03	3.047−03	2.609−03	2.233−03	1.638−03	1.174−03	1.086−03	1.046−03
8	51	4.544−03	4.258−03	4.265−03	4.347−03	4.704−03	5.634−03	6.132−03	6.752−03
8	52	1.056−02	1.152−02	1.225−02	1.323−02	1.591−02	2.121−02	2.382−02	2.688−02
8	53	4.945−03	5.499−03	5.883−03	6.377−03	7.698−03	1.023−02	1.146−02	1.291−02
8	54	6.074−04	3.931−04	3.246−04	2.652−04	1.709−04	9.485−05	7.912−05	6.968−05
8	55	4.081−04	4.303−04	4.452−04	4.633−04	5.008−04	5.560−04	5.793−04	6.091−04
8	56	7.346−04	7.053−04	7.050−04	7.109−04	7.315−04	7.796−04	8.051−04	8.410−04
8	57	4.431−06	4.474−06	4.565−06	4.698−06	4.965−06	5.423−06	5.617−06	5.895−06
8	58	3.985−02	5.043−02	5.613−02	6.288−02	7.973−02	1.101−01	1.245−01	1.412−01
8	59	6.102−03	7.213−03	7.847−03	8.613−03	1.051−02	1.396−02	1.559−02	1.749−02
8	60	1.792−02	1.861−02	1.890−02	1.919−02	1.983−02	2.099−02	2.162−02	2.241−02
8	61	1.036−01	1.336−01	1.495−01	1.683−01	2.148−01	2.981−01	3.374−01	3.828−01

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
8	62	3.676−04	2.941−04	2.714−04	2.527−04	2.253−04	2.093−04	2.091−04	2.132−04
8	63	9.670−04	1.018−03	1.057−03	1.106−03	1.198−03	1.337−03	1.391−03	1.467−03
8	64	3.548−04	3.658−04	3.763−04	3.900−04	4.191−04	4.637−04	4.828−04	5.081−04
8	65	4.509−05	3.640−05	3.370−05	3.144−05	2.816−05	2.626−05	2.628−05	2.677−05
8	66	9.505−06	1.020−05	1.067−05	1.127−05	1.278−05	1.561−05	1.697−05	1.860−05
8	67	5.509−05	5.247−05	5.243−05	5.295−05	5.460−05	5.840−05	6.034−05	6.316−05
8	68	5.833−04	6.021−04	6.106−04	6.197−04	6.410−04	6.819−04	7.048−04	7.324−04
8	69	4.741−03	5.736−03	6.316−03	7.025−03	8.841−03	1.220−02	1.380−02	1.567−02
8	70	3.701−02	4.823−02	5.421−02	6.126−02	7.883−02	1.104−01	1.253−01	1.426−01
8	71	1.123−04	7.552−05	6.296−05	5.171−05	3.340−05	1.768−05	1.418−05	1.165−05
8	72	6.167−04	4.615−04	4.176−04	3.845−04	3.489−04	3.664−04	3.921−04	4.300−04
8	73	9.798−07	6.532−07	5.465−07	4.535−07	3.036−07	1.799−07	1.541−07	1.395−07
8	74	2.335−04	2.058−04	1.998−04	1.965−04	1.932−04	1.990−04	2.038−04	2.123−04
8	75	5.023−05	4.908−05	4.958−05	5.062−05	5.285−05	5.728−05	5.927−05	6.220−05
8	76	1.282−03	1.258−03	1.292−03	1.355−03	1.567−03	2.045−03	2.292−03	2.588−03
8	77	1.439−04	1.296−04	1.269−04	1.260−04	1.261−04	1.324−04	1.363−04	1.426−04
8	78	9.236−04	1.014−03	1.082−03	1.170−03	1.409−03	1.872−03	2.097−03	2.364−03
8	79	5.213−06	3.552−06	3.000−06	2.513−06	1.741−06	1.119−06	1.002−06	9.320−07
8	80	1.435−04	1.784−04	2.013−04	2.305−04	3.070−04	4.509−04	5.194−04	6.003−04
8	81	4.156−05	5.942−05	7.009−05	8.327−05	1.173−04	1.802−04	2.099−04	2.446−04
8	82	5.178−06	4.508−06	4.369−06	4.301−06	4.233−06	4.382−06	4.489−06	4.691−06
8	83	4.619−05	3.542−05	3.217−05	2.957−05	2.629−05	2.571−05	2.659−05	2.814−05
8	84	1.180−04	1.701−04	1.988−04	2.333−04	3.196−04	4.764−04	5.502−04	6.363−04
8	85	1.265−04	1.725−04	2.007−04	2.359−04	3.276−04	4.986−04	5.798−04	6.751−04
8	86	2.604−04	3.514−04	4.020−04	4.630−04	6.173−04	9.005−04	1.035−03	1.192−03
8	87	1.256−04	1.099−04	1.065−04	1.050−04	1.091−04	1.291−04	1.417−04	1.571−04
8	88	2.118−05	1.949−05	1.911−05	1.888−05	1.878−05	1.949−05	2.006−05	2.084−05
8	89	1.985−02	2.086−02	2.127−02	2.169−02	2.258−02	2.412−02	2.493−02	2.591−02
8	90	7.285−05	7.545−05	7.726−05	7.944−05	8.445−05	9.272−05	9.661−05	1.013−04
8	91	1.541−06	1.565−06	1.593−06	1.630−06	1.720−06	1.879−06	1.957−06	2.051−06
8	92	2.234−05	2.386−05	2.473−05	2.573−05	2.785−05	3.101−05	3.237−05	3.399−05
8	93	5.750−06	5.915−06	6.103−06	6.365−06	6.852−06	7.627−06	7.931−06	8.373−06
8	94	3.691−04	2.447−04	2.024−04	1.644−04	1.019−04	4.797−05	3.574−05	2.667−05
8	95	6.560−04	7.672−04	8.173−04	8.696−04	9.726−04	1.110−03	1.166−03	1.229−03
8	96	3.381−04	3.477−04	3.533−04	3.599−04	3.756−04	4.038−04	4.184−04	4.361−04
8	97	2.309−05	1.563−05	1.314−05	1.094−05	7.335−06	4.325−06	3.696−06	3.283−06
8	98	4.226−04	4.956−04	5.285−04	5.630−04	6.304−04	7.206−04	7.566−04	7.979−04
8	99	3.411−04	3.814−04	3.992−04	4.178−04	4.548−04	5.071−04	5.296−04	5.556−04
8	100	1.671−04	1.926−04	2.042−04	2.164−04	2.406−04	2.736−04	2.871−04	3.025−04
8	101	6.387−05	7.463−05	7.946−05	8.449−05	9.439−05	1.077−04	1.132−04	1.193−04
8	102	2.072−04	1.398−04	1.168−04	9.619−05	6.303−05	3.470−05	2.849−05	2.407−05
8	103	2.535−04	2.423−04	2.397−04	2.381−04	2.385−04	2.476−04	2.547−04	2.640−04
8	104	9.879−06	8.767−06	8.479−06	8.275−06	8.067−06	8.240−06	8.459−06	8.780−06
8	105	3.842−05	2.580−05	2.151−05	1.768−05	1.150−05	6.220−06	5.054−06	4.236−06
8	106	4.164−03	6.090−03	7.152−03	8.426−03	1.163−02	1.744−02	2.018−02	2.338−02
8	107	8.584−06	7.890−06	7.746−06	7.671−06	7.674−06	8.016−06	8.258−06	8.591−06
8	108	4.435−03	6.457−03	7.580−03	8.933−03	1.234−02	1.856−02	2.150−02	2.492−02
8	109	2.840−03	4.077−03	4.782−03	5.639−03	7.829−03	1.187−02	1.379−02	1.603−02
8	110	6.584−03	1.012−02	1.209−02	1.445−02	2.043−02	3.132−02	3.646−02	4.245−02
8	111	1.818−04	1.206−04	9.918−05	7.978−05	4.841−05	2.083−05	1.446−05	9.579−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
8	112	1.025−03	1.355−03	1.555−03	1.803−03	2.452−03	3.673−03	4.258−03	4.944−03
8	113	3.939−06	2.832−06	2.462−06	2.138−06	1.625−06	1.215−06	1.136−06	1.097−06
8	114	7.023−03	7.966−03	8.415−03	8.895−03	9.855−03	1.118−02	1.172−02	1.235−02
8	115	1.355−02	1.593−02	1.701−02	1.814−02	2.035−02	2.331−02	2.449−02	2.583−02
8	116	3.702−03	4.233−03	4.480−03	4.741−03	5.263−03	5.979−03	6.274−03	6.611−03
8	117	7.370−03	8.634−03	9.205−03	9.804−03	1.098−02	1.256−02	1.319−02	1.391−02
8	118	1.059−03	1.107−03	1.138−03	1.175−03	1.258−03	1.389−03	1.449−03	1.520−03
8	119	4.819−03	5.234−03	5.451−03	5.692−03	6.196−03	6.935−03	7.252−03	7.625−03
8	120	2.174−05	1.756−05	1.649−05	1.585−05	1.597−05	1.913−05	2.129−05	2.405−05
8	121	1.871−03	2.139−03	2.264−03	2.397−03	2.662−03	3.025−03	3.174−03	3.345−03
8	122	2.134−03	2.275−03	2.355−03	2.448−03	2.645−03	2.945−03	3.076−03	3.232−03
8	123	1.376−03	1.138−03	1.066−03	1.007−03	9.239−04	8.868−04	8.946−04	9.165−04
8	124	4.108−05	2.739−05	2.269−05	1.847−05	1.164−05	5.721−06	4.382−06	3.396−06
8	125	7.022−05	6.169−05	5.935−05	5.758−05	5.560−05	5.621−05	5.753−05	5.953−05
9	10	1.314−02	1.099−02	9.896−03	8.975−03	8.334−03	6.843−03	6.648−03	6.657−03
9	11	1.001−02	1.212−02	1.288−02	1.361−02	1.488−02	1.722−02	1.812−02	1.916−02
9	12	1.153−02	1.384−02	1.480−02	1.575−02	1.786−02	2.061−02	2.205−02	2.364−02
9	13	2.749−05	1.904−05	1.592−05	1.304−05	8.382−06	4.010−06	2.957−06	2.127−06
9	14	1.420−01	1.702−01	1.822−01	1.943−01	2.211−01	2.571−01	2.758−01	2.964−01
9	15	7.117−02	8.469−02	9.060−02	9.665−02	1.102−01	1.289−01	1.385−01	1.493−01
9	16	2.682−05	2.742−05	2.772−05	2.805−05	2.886−05	3.050−05	3.145−05	3.261−05
9	17	3.110−05	4.019−05	4.523−05	5.129−05	6.658−05	9.443−05	1.076−04	1.230−04
9	18	1.095−05	1.015−05	1.023−05	1.059−05	1.227−05	1.651−05	1.877−05	2.150−05
9	19	5.563−06	6.465−06	7.089−06	7.904−06	1.015−05	1.454−05	1.668−05	1.920−05
9	20	1.757−05	1.928−05	2.077−05	2.286−05	2.895−05	4.132−05	4.746−05	5.473−05
9	21	8.480−05	9.365−05	9.782−05	1.022−04	1.111−04	1.239−04	1.296−04	1.362−04
9	22	1.657−04	1.860−04	1.953−04	2.050−04	2.245−04	2.515−04	2.631−04	2.764−04
9	23	1.366−05	1.947−05	2.275−05	2.672−05	3.682−05	5.520−05	6.388−05	7.400−05
9	24	3.301−06	2.196−06	1.820−06	1.484−06	9.425−07	4.779−07	3.735−07	2.982−07
9	25	1.424−05	9.868−06	8.400−06	7.101−06	5.034−06	3.326−06	2.974−06	2.753−06
9	26	1.302−05	8.664−06	7.153−06	5.788−06	3.567−06	1.623−06	1.174−06	8.352−07
9	27	3.794−05	3.719−05	3.700−05	3.688−05	3.696−05	3.801−05	3.886−05	4.005−05
9	28	2.130−05	1.859−05	1.765−05	1.683−05	1.555−05	1.474−05	1.475−05	1.495−05
9	29	2.117−04	1.442−04	1.198−04	9.737−05	6.081−05	2.753−05	1.954−05	1.324−05
9	30	4.020−05	2.639−05	2.166−05	1.742−05	1.055−05	4.616−06	3.257−06	2.245−06
9	31	1.980−05	1.327−05	1.100−05	8.953−06	5.615−06	2.694−06	2.021−06	1.514−06
9	32	3.267−05	4.531−05	5.284−05	6.210−05	8.590−05	1.295−04	1.500−04	1.741−04
9	33	6.669−04	1.055−03	1.270−03	1.527−03	2.169−03	3.311−03	3.844−03	4.464−03
9	34	2.083−05	1.324−05	1.078−05	8.617−06	5.164−06	2.299−06	1.678−06	1.260−06
9	35	1.987−05	1.248−05	1.010−05	8.029−06	4.740−06	2.047−06	1.473−06	1.097−06
9	36	1.617−04	1.985−04	2.192−04	2.443−04	3.079−04	4.242−04	4.796−04	5.439−04
9	37	8.618−05	1.054−04	1.162−04	1.293−04	1.626−04	2.235−04	2.524−04	2.860−04
9	38	5.227−05	3.288−05	2.656−05	2.101−05	1.212−05	4.695−06	3.064−06	1.933−06
9	39	3.002−04	2.098−04	1.791−04	1.517−04	1.080−04	7.119−05	6.342−05	5.850−05
9	40	6.505−04	6.396−04	6.463−04	6.588−04	6.892−04	7.447−04	7.714−04	8.086−04
9	41	4.600−05	4.215−05	4.216−05	4.322−05	4.857−05	6.290−05	7.067−05	8.017−05
9	42	3.194−05	2.009−05	1.623−05	1.285−05	7.447−06	2.955−06	1.973−06	1.299−06
9	43	5.678−04	3.721−04	3.050−04	2.447−04	1.470−04	6.215−05	4.268−05	2.806−05
9	44	6.938−04	1.121−03	1.354−03	1.632−03	2.326−03	3.566−03	4.145−03	4.818−03
9	45	2.242−04	1.919−04	1.837−04	1.790−04	1.821−04	2.125−04	2.328−04	2.585−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
9	46	3.845−04	2.724−04	2.340−04	1.995−04	1.440−04	9.689−05	8.690−05	8.051−05
9	47	7.433−04	7.945−04	8.280−04	8.681−04	9.478−04	1.060−03	1.106−03	1.166−03
9	48	1.037−03	1.059−03	1.068−03	1.078−03	1.101−03	1.152−03	1.183−03	1.222−03
9	49	3.263−03	3.348−03	3.383−03	3.418−03	3.501−03	3.672−03	3.773−03	3.903−03
9	50	8.473−04	5.349−04	4.325−04	3.425−04	1.982−04	7.687−05	4.996−05	3.119−05
9	51	4.289−04	2.767−04	2.283−04	1.865−04	1.202−04	6.722−05	5.636−05	4.998−05
9	52	5.138−04	3.369−04	2.812−04	2.334−04	1.579−04	9.883−05	8.728−05	8.125−05
9	53	1.159−03	1.134−03	1.160−03	1.210−03	1.382−03	1.772−03	1.974−03	2.217−03
9	54	4.850−04	3.603−04	3.226−04	2.923−04	2.547−04	2.527−04	2.662−04	2.879−04
9	55	4.437−04	3.932−04	3.761−04	3.610−04	3.384−04	3.266−04	3.291−04	3.352−04
9	56	6.792−04	6.881−04	7.020−04	7.212−04	7.642−04	8.343−04	8.662−04	9.084−04
9	57	8.419−06	8.955−06	9.480−06	1.021−05	1.231−05	1.635−05	1.829−05	2.057−05
9	58	6.527−04	4.427−04	3.754−04	3.172−04	2.248−04	1.519−04	1.374−04	1.300−04
9	59	1.157−02	1.474−02	1.643−02	1.842−02	2.337−02	3.227−02	3.647−02	4.133−02
9	60	5.252−04	4.077−04	3.705−04	3.388−04	2.913−04	2.591−04	2.562−04	2.586−04
9	61	1.112−03	1.222−03	1.285−03	1.358−03	1.492−03	1.681−03	1.753−03	1.849−03
9	62	6.798−04	7.217−04	7.492−04	7.821−04	8.490−04	9.449−04	9.849−04	1.037−03
9	63	1.991−02	2.565−02	2.867−02	3.222−02	4.101−02	5.669−02	6.410−02	7.264−02
9	64	8.591−03	8.903−03	9.026−03	9.151−03	9.424−03	9.932−03	1.022−02	1.058−02
9	65	3.705−05	3.458−05	3.432−05	3.444−05	3.516−05	3.732−05	3.852−05	4.030−05
9	66	1.576−04	1.898−04	2.069−04	2.270−04	2.772−04	3.671−04	4.097−04	4.588−04
9	67	3.350−03	3.498−03	3.557−03	3.615−03	3.740−03	3.962−03	4.084−03	4.233−03
9	68	3.096−05	2.126−05	1.797−05	1.506−05	1.036−05	6.403−06	5.551−06	5.002−06
9	69	7.162−04	6.679−04	6.632−04	6.665−04	6.790−04	7.212−04	7.431−04	7.777−04
9	70	6.803−04	4.434−04	3.672−04	3.010−04	1.958−04	1.104−04	9.266−05	8.192−05
9	71	6.176−05	6.810−05	7.158−05	7.555−05	8.331−05	9.384−05	9.803−05	1.034−04
9	72	1.641−02	2.113−02	2.364−02	2.658−02	3.390−02	4.699−02	5.317−02	6.032−02
9	73	5.068−05	5.552−05	5.794−05	6.057−05	6.601−05	7.379−05	7.711−05	8.099−05
9	74	3.647−04	2.519−04	2.165−04	1.869−04	1.450−04	1.247−04	1.271−04	1.350−04
9	75	2.551−04	3.213−04	3.601−04	4.078−04	5.305−04	7.579−04	8.664−04	9.932−04
9	76	8.528−04	7.783−04	7.664−04	7.644−04	7.688−04	8.079−04	8.301−04	8.673−04
9	77	4.314−03	5.749−03	6.516−03	7.426−03	9.691−03	1.377−02	1.570−02	1.793−02
9	78	1.620−02	2.080−02	2.324−02	2.612−02	3.329−02	4.617−02	5.227−02	5.931−02
9	79	4.738−05	4.639−05	4.662−05	4.719−05	4.891−05	5.263−05	5.456−05	5.702−05
9	80	4.704−05	4.596−05	4.646−05	4.748−05	4.963−05	5.386−05	5.574−05	5.853−05
9	81	2.642−05	1.822−05	1.540−05	1.286−05	8.787−06	5.307−06	4.543−06	4.024−06
9	82	3.208−04	4.390−04	5.027−04	5.784−04	7.679−04	1.111−03	1.273−03	1.461−03
9	83	9.695−05	1.305−04	1.499−04	1.735−04	2.341−04	3.465−04	4.001−04	4.627−04
9	84	1.193−04	1.728−04	2.019−04	2.365−04	3.231−04	4.793−04	5.529−04	6.384−04
9	85	1.999−05	1.269−05	1.028−05	8.168−06	4.779−06	1.921−06	1.288−06	8.443−07
9	86	1.836−04	2.858−04	3.415−04	4.078−04	5.735−04	8.722−04	1.013−03	1.176−03
9	87	1.572−05	1.758−05	1.863−05	1.987−05	2.208−05	2.515−05	2.628−05	2.781−05
9	88	1.145−04	1.266−04	1.326−04	1.389−04	1.520−04	1.706−04	1.786−04	1.878−04
9	89	9.800−06	8.912−06	8.723−06	8.623−06	8.599−06	8.945−06	9.194−06	9.561−06
9	90	1.896−04	2.202−04	2.339−04	2.483−04	2.766−04	3.146−04	3.301−04	3.478−04
9	91	1.752−05	1.263−05	1.096−05	9.460−06	7.078−06	5.149−06	4.795−06	4.584−06
9	92	5.388−05	3.508−05	2.869−05	2.298−05	1.374−05	5.751−06	3.930−06	2.583−06
9	93	6.581−05	8.598−05	9.703−05	1.103−04	1.436−04	2.044−04	2.333−04	2.667−04
9	94	9.393−06	7.671−06	7.143−06	6.706−06	6.082−06	5.777−06	5.828−06	5.975−06
9	95	3.334−06	2.150−06	1.754−06	1.403−06	8.359−07	3.525−07	2.446−07	1.670−07

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
9	96	1.291−04	1.406−04	1.465−04	1.531−04	1.668−04	1.866−04	1.951−04	2.051−04
9	97	1.055−04	1.194−04	1.259−04	1.330−04	1.470−04	1.664−04	1.744−04	1.837−04
9	98	6.797−08	5.393−08	5.008−08	4.711−08	4.260−08	4.069−08	4.096−08	4.213−08
9	99	4.182−05	4.645−05	4.870−05	5.112−05	5.605−05	6.302−05	6.595−05	6.936−05
9	100	9.334−06	9.539−06	9.733−06	9.983−06	1.057−05	1.156−05	1.203−05	1.260−05
9	101	1.775−04	1.843−04	1.872−04	1.902−04	1.967−04	2.083−04	2.146−04	2.223−04
9	102	2.800−06	1.889−06	1.576−06	1.295−06	8.391−07	4.453−07	3.557−07	2.912−07
9	103	3.654−04	4.434−04	4.772−04	5.120−04	5.792−04	6.663−04	7.005−04	7.392−04
9	104	1.260−03	1.314−03	1.336−03	1.359−03	1.408−03	1.498−03	1.547−03	1.606−03
9	105	2.629−05	2.296−05	2.202−05	2.132−05	2.046−05	2.050−05	2.087−05	2.153−05
9	106	1.922−05	1.793−05	1.766−05	1.754−05	1.789−05	1.936−05	2.030−05	2.142−05
9	107	5.586−03	5.828−03	5.929−03	6.032−03	6.260−03	6.668−03	6.890−03	7.156−03
9	108	4.273−06	2.951−06	2.527−06	2.160−06	1.581−06	1.126−06	1.039−06	9.969−07
9	109	3.500−06	2.853−06	2.665−06	2.519−06	2.300−06	2.199−06	2.209−06	2.269−06
9	110	5.470−06	3.640−06	3.059−06	2.557−06	1.766−06	1.141−06	1.018−06	9.520−07
9	111	4.059−05	6.176−05	7.378−05	8.836−05	1.253−04	1.926−04	2.242−04	2.612−04
9	112	5.622−05	7.836−05	9.191−05	1.088−04	1.529−04	2.345−04	2.732−04	3.184−04
9	113	2.877−03	4.161−03	4.870−03	5.723−03	7.869−03	1.178−02	1.362−02	1.577−02
9	114	5.314−07	3.451−07	2.822−07	2.261−07	1.357−07	5.835−08	4.100−08	2.835−08
9	115	1.174−08	1.177−08	1.202−08	1.239−08	1.311−08	1.435−08	1.487−08	1.560−08
9	116	1.408−04	1.580−04	1.663−04	1.751−04	1.929−04	2.178−04	2.282−04	2.401−04
9	117	8.771−05	9.614−05	1.005−04	1.052−04	1.150−04	1.292−04	1.351−04	1.421−04
9	118	1.684−06	1.599−06	1.581−06	1.572−06	1.590−06	1.689−06	1.757−06	1.837−06
9	119	5.595−07	3.617−07	2.953−07	2.362−07	1.409−07	5.951−08	4.124−08	2.803−08
9	120	3.873−03	5.705−03	6.732−03	7.974−03	1.112−02	1.690−02	1.963−02	2.282−02
9	121	1.840−05	1.908−05	1.939−05	1.972−05	2.051−05	2.204−05	2.289−05	2.388−05
9	122	2.578−04	2.935−04	3.102−04	3.279−04	3.632−04	4.118−04	4.318−04	4.547−04
9	123	3.405−04	3.874−04	4.094−04	4.328−04	4.796−04	5.440−04	5.702−04	6.007−04
9	124	5.160−03	5.841−03	6.163−03	6.506−03	7.196−03	8.152−03	8.547−03	9.003−03
9	125	7.893−03	8.935−03	9.431−03	9.964−03	1.103−02	1.251−02	1.311−02	1.381−02
10	11	2.481−02	2.984−02	3.166−02	3.339−02	3.641−02	4.203−02	4.419−02	4.670−02
10	12	1.905−02	2.240−02	2.380−02	2.520−02	2.834−02	3.250−02	3.472−02	3.719−02
10	13	3.094−01	3.721−01	3.983−01	4.244−01	4.821−01	5.580−01	5.976−01	6.413−01
10	14	1.016−02	1.220−02	1.306−02	1.393−02	1.587−02	1.845−02	1.979−02	2.128−02
10	15	4.531−01	5.427−01	5.817−01	6.215−01	7.104−01	8.321−01	8.946−01	9.641−01
10	16	4.690−06	3.973−06	3.775−06	3.625−06	3.442−06	3.420−06	3.481−06	3.595−06
10	17	8.650−06	8.261−06	8.318−06	8.506−06	9.318−06	1.120−05	1.221−05	1.340−05
10	18	6.222−05	7.850−05	8.743−05	9.809−05	1.249−04	1.734−04	1.964−04	2.230−04
10	19	6.210−07	5.123−07	4.857−07	4.704−07	4.767−07	5.623−07	6.191−07	6.923−07
10	20	1.051−05	1.044−05	1.063−05	1.098−05	1.222−05	1.504−05	1.653−05	1.829−05
10	21	3.413−05	3.447−05	3.481−05	3.526−05	3.622−05	3.785−05	3.865−05	3.988−05
10	22	1.094−05	9.243−06	8.738−06	8.333−06	7.765−06	7.521−06	7.588−06	7.784−06
10	23	9.217−07	6.291−07	5.258−07	4.323−07	2.818−07	1.519−07	1.223−07	1.006−07
10	24	3.806−07	3.294−07	3.146−07	3.028−07	2.879−07	2.862−07	2.920−07	3.014−07
10	25	2.348−05	2.296−05	2.285−05	2.281−05	2.297−05	2.389−05	2.458−05	2.548−05
10	26	1.536−05	1.383−05	1.331−05	1.286−05	1.224−05	1.207−05	1.226−05	1.258−05
10	27	5.967−06	4.007−06	3.335−06	2.733−06	1.761−06	9.226−07	7.335−07	5.985−07
10	28	9.731−06	7.213−06	6.345−06	5.567−06	4.327−06	3.313−06	3.122−06	3.012−06
10	29	1.853−04	1.488−04	1.386−04	1.317−04	1.290−04	1.483−04	1.629−04	1.822−04
10	30	2.612−05	1.793−05	1.515−05	1.268−05	8.738−06	5.430−06	4.725−06	4.254−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
10	31	1.690−05	1.658−05	1.671−05	1.700−05	1.763−05	1.880−05	1.937−05	2.024−05
10	32	3.368−05	4.716−05	5.459−05	6.350−05	8.586−05	1.262−04	1.452−04	1.673−04
10	33	2.718−04	3.555−04	4.058−04	4.675−04	6.268−04	9.152−04	1.051−03	1.209−03
10	34	9.950−06	6.849−06	5.892−06	5.088−06	3.882−06	3.108−06	3.042−06	3.097−06
10	35	1.063−04	1.265−04	1.371−04	1.497−04	1.810−04	2.368−04	2.632−04	2.936−04
10	36	6.619−05	7.466−05	7.958−05	8.557−05	1.010−04	1.293−04	1.429−04	1.587−04
10	37	1.378−05	1.243−05	1.235−05	1.255−05	1.384−05	1.749−05	1.949−05	2.194−05
10	38	3.074−05	1.938−05	1.572−05	1.253−05	7.436−06	3.250−06	2.351−06	1.756−06
10	39	5.566−04	5.054−04	4.903−04	4.783−04	4.627−04	4.622−04	4.698−04	4.833−04
10	40	5.372−04	4.984−04	4.921−04	4.910−04	4.955−04	5.187−04	5.335−04	5.566−04
10	41	1.150−04	1.034−04	1.010−04	1.001−04	1.031−04	1.160−04	1.239−04	1.335−04
10	42	1.448−04	1.651−04	1.775−04	1.928−04	2.328−04	3.076−04	3.436−04	3.856−04
10	43	4.572−04	3.176−04	2.707−04	2.292−04	1.631−04	1.083−04	9.697−05	8.998−05
10	44	8.828−04	1.254−03	1.470−03	1.733−03	2.407−03	3.634−03	4.212−03	4.888−03
10	45	1.618−03	2.265−03	2.643−03	3.106−03	4.297−03	6.479−03	7.511−03	8.717−03
10	46	2.723−03	2.805−03	2.842−03	2.881−03	2.968−03	3.130−03	3.219−03	3.335−03
10	47	6.211−04	6.005−04	6.034−04	6.125−04	6.355−04	6.816−04	7.049−04	7.391−04
10	48	2.780−05	2.559−05	2.524−05	2.517−05	2.545−05	2.676−05	2.757−05	2.880−05
10	49	1.424−04	9.522−05	7.888−05	6.415−05	4.028−05	1.943−05	1.466−05	1.110−05
10	50	6.099−04	3.966−04	3.286−04	2.698−04	1.764−04	1.013−04	8.590−05	7.690−05
10	51	1.082−03	9.775−04	9.634−04	9.668−04	1.023−03	1.210−03	1.316−03	1.448−03
10	52	7.574−04	5.051−04	4.226−04	3.504−04	2.352−04	1.409−04	1.212−04	1.090−04
10	53	4.258−04	2.951−04	2.539−04	2.192−04	1.692−04	1.425−04	1.439−04	1.510−04
10	54	4.740−04	5.053−04	5.327−04	5.704−04	6.766−04	8.892−04	9.943−04	1.118−03
10	55	9.920−04	8.570−04	8.189−04	7.902−04	7.526−04	7.458−04	7.570−04	7.809−04
10	56	2.451−03	2.372−03	2.374−03	2.393−03	2.457−03	2.606−03	2.688−03	2.804−03
10	57	5.963−06	3.767−06	3.051−06	2.424−06	1.428−06	6.041−07	4.247−07	3.025−07
10	58	7.026−03	8.763−03	9.696−03	1.080−02	1.354−02	1.847−02	2.080−02	2.349−02
10	59	8.196−03	1.019−02	1.126−02	1.253−02	1.571−02	2.145−02	2.418−02	2.733−02
10	60	2.036−03	1.743−03	1.665−03	1.608−03	1.537−03	1.534−03	1.561−03	1.616−03
10	61	8.298−04	8.227−04	8.363−04	8.590−04	9.048−04	9.877−04	1.023−03	1.075−03
10	62	1.461−02	1.481−02	1.491−02	1.501−02	1.529−02	1.595−02	1.638−02	1.692−02
10	63	1.526−03	1.845−03	2.022−03	2.235−03	2.774−03	3.758−03	4.228−03	4.772−03
10	64	6.312−04	5.698−04	5.571−04	5.510−04	5.497−04	5.713−04	5.869−04	6.117−04
10	65	3.221−03	3.284−03	3.312−03	3.342−03	3.417−03	3.583−03	3.686−03	3.814−03
10	66	2.212−04	2.953−04	3.357−04	3.839−04	5.045−04	7.224−04	8.254−04	9.449−04
10	67	7.158−05	7.631−05	7.948−05	8.330−05	9.086−05	1.016−04	1.059−04	1.117−04
10	68	2.663−04	2.178−04	2.034−04	1.918−04	1.746−04	1.654−04	1.661−04	1.701−04
10	69	2.608−03	2.311−03	2.251−03	2.226−03	2.231−03	2.388−03	2.489−03	2.637−03
10	70	2.823−03	2.211−03	2.036−03	1.900−03	1.696−03	1.594−03	1.597−03	1.640−03
10	71	7.531−03	7.854−03	7.983−03	8.112−03	8.390−03	8.887−03	9.160−03	9.496−03
10	72	9.845−03	1.152−02	1.250−02	1.370−02	1.676−02	2.237−02	2.505−02	2.818−02
10	73	8.277−06	8.142−06	8.138−06	8.160−06	8.198−06	8.321−06	8.392−06	8.575−06
10	74	2.792−03	3.176−03	3.417−03	3.720−03	4.516−03	6.016−03	6.741−03	7.587−03
10	75	1.523−03	2.006−03	2.274−03	2.595−03	3.404−03	4.874−03	5.569−03	6.379−03
10	76	8.321−02	1.066−01	1.190−01	1.336−01	1.701−01	2.356−01	2.666−01	3.024−01
10	77	5.837−03	7.377−03	8.213−03	9.208−03	1.170−02	1.621−02	1.835−02	2.082−02
10	78	1.323−02	1.644−02	1.820−02	2.029−02	2.554−02	3.505−02	3.956−02	4.479−02
10	79	3.328−05	3.643−05	3.804−05	3.981−05	4.345−05	4.860−05	5.076−05	5.333−05
10	80	9.710−04	1.277−03	1.454−03	1.668−03	2.211−03	3.206−03	3.678−03	4.229−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
10	81	1.215−03	1.692−03	1.950−03	2.258−03	3.028−03	4.423−03	5.082−03	5.848−03
10	82	3.257−05	3.574−05	3.888−05	4.332−05	5.635−05	8.284−05	9.592−05	1.114−04
10	83	8.325−04	1.184−03	1.374−03	1.601−03	2.169−03	3.195−03	3.679−03	4.242−03
10	84	8.800−05	7.429−05	7.012−05	6.681−05	6.334−05	6.488−05	6.756−05	7.110−05
10	85	1.733−04	1.218−04	1.052−04	9.085−05	6.826−05	5.079−05	4.752−05	4.622−05
10	86	4.253−04	6.138−04	7.175−04	8.419−04	1.155−03	1.724−03	1.993−03	2.306−03
10	87	1.709−03	2.276−03	2.583−03	2.948−03	3.865−03	5.528−03	6.316−03	7.230−03
10	88	6.912−04	7.539−04	7.813−04	8.097−04	8.676−04	9.529−04	9.919−04	1.037−03
10	89	4.372−04	2.983−04	2.512−04	2.090−04	1.400−04	8.120−05	6.831−05	5.929−05
10	90	8.331−05	5.684−05	4.785−05	3.983−05	2.693−05	1.602−05	1.366−05	1.203−05
10	91	1.692−04	1.961−04	2.082−04	2.208−04	2.458−04	2.795−04	2.932−04	3.089−04
10	92	2.124−04	1.967−04	1.935−04	1.920−04	1.925−04	2.013−04	2.073−04	2.155−04
10	93	5.428−04	8.345−04	9.941−04	1.185−03	1.664−03	2.530−03	2.939−03	3.414−03
10	94	1.744−02	1.837−02	1.874−02	1.911−02	1.989−02	2.122−02	2.193−02	2.278−02
10	95	7.478−04	8.650−04	9.180−04	9.734−04	1.083−03	1.231−03	1.292−03	1.361−03
10	96	3.408−04	3.842−04	4.048−04	4.267−04	4.708−04	5.318−04	5.569−04	5.861−04
10	97	9.532−04	9.969−04	1.016−03	1.037−03	1.081−03	1.157−03	1.196−03	1.244−03
10	98	1.991−04	1.304−04	1.069−04	8.585−05	5.169−05	2.203−05	1.521−05	1.014−05
10	99	1.288−04	8.736−05	7.331−05	6.076−05	4.058−05	2.348−05	1.977−05	1.719−05
10	100	8.870−05	6.373−05	5.540−05	4.805−05	3.642−05	2.713−05	2.540−05	2.445−05
10	101	5.161−05	3.949−05	3.560−05	3.225−05	2.715−05	2.360−05	2.320−05	2.331−05
10	102	3.710−04	4.046−04	4.220−04	4.412−04	4.807−04	5.382−04	5.626−04	5.915−04
10	103	3.606−04	4.133−04	4.377−04	4.633−04	5.143−04	5.838−04	6.124−04	6.451−04
10	104	5.385−04	6.442−04	6.908−04	7.390−04	8.326−04	9.552−04	1.004−03	1.059−03
10	105	5.272−04	6.287−04	6.734−04	7.197−04	8.096−04	9.278−04	9.745−04	1.028−03
10	106	1.497−03	2.036−03	2.341−03	2.710−03	3.648−03	5.371−03	6.188−03	7.142−03
10	107	2.109−04	2.498−04	2.672−04	2.852−04	3.204−04	3.670−04	3.855−04	4.067−04
10	108	5.833−03	8.478−03	9.920−03	1.164−02	1.595−02	2.375−02	2.742−02	3.169−02
10	109	3.423−03	5.093−03	6.020−03	7.135−03	9.950−03	1.508−02	1.751−02	2.034−02
10	110	4.550−04	3.033−04	2.504−04	2.027−04	1.257−04	5.853−05	4.316−05	3.167−05
10	111	2.066−03	3.098−03	3.662−03	4.336−03	6.028−03	9.098−03	1.055−02	1.223−02
10	112	3.351−03	5.172−03	6.171−03	7.366−03	1.037−02	1.580−02	1.836−02	2.135−02
10	113	1.809−04	2.515−04	2.899−04	3.358−04	4.508−04	6.596−04	7.584−04	8.732−04
10	114	3.973−03	4.452−03	4.684−03	4.934−03	5.437−03	6.142−03	6.434−03	6.774−03
10	115	1.072−03	7.027−04	5.763−04	4.627−04	2.786−04	1.184−04	8.159−05	5.406−05
10	116	1.614−03	1.774−03	1.855−03	1.943−03	2.125−03	2.385−03	2.497−03	2.626−03
10	117	9.625−04	8.270−04	7.873−04	7.557−04	7.152−04	7.079−04	7.204−04	7.422−04
10	118	1.341−03	1.570−03	1.674−03	1.783−03	1.996−03	2.283−03	2.397−03	2.529−03
10	119	6.773−03	7.986−03	8.528−03	9.091−03	1.019−02	1.166−02	1.225−02	1.292−02
10	120	6.603−04	9.335−04	1.081−03	1.257−03	1.696−03	2.490−03	2.865−03	3.301−03
10	121	7.915−04	8.757−04	9.178−04	9.637−04	1.057−03	1.191−03	1.246−03	1.312−03
10	122	3.162−03	3.732−03	3.988−03	4.256−03	4.779−03	5.475−03	5.752−03	6.068−03
10	123	6.852−03	8.218−03	8.821−03	9.446−03	1.066−02	1.225−02	1.288−02	1.359−02
10	124	2.822−04	3.389−04	3.641−04	3.902−04	4.409−04	5.076−04	5.339−04	5.638−04
10	125	2.778−04	3.322−04	3.564−04	3.815−04	4.302−04	4.947−04	5.202−04	5.492−04
11	12	1.754−02	1.314−02	1.137−02	9.803−03	7.740−03	5.380−03	4.913−03	4.643−03
11	13	2.636−02	2.130−02	1.897−02	1.695−02	1.498−02	1.186−02	1.136−02	1.122−02
11	14	6.815−03	5.382−03	4.757−03	4.213−03	3.625−03	2.809−03	2.668−03	2.617−03
11	15	7.443−04	4.989−04	4.132−04	3.373−04	2.225−04	1.179−04	9.540−05	8.025−05
11	16	3.489−07	5.018−07	5.852−07	6.845−07	9.324−07	1.376−06	1.584−06	1.826−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
11	17	8.370−07	8.651−07	8.898−07	9.214−07	9.869−07	1.086−06	1.129−06	1.187−06
11	18	2.412−06	2.444−06	2.459−06	2.477−06	2.551−06	2.758−06	2.895−06	3.041−06
11	19	1.580−06	1.050−06	8.718−07	7.135−07	4.605−07	2.479−07	2.014−07	1.693−07
11	20	6.179−06	4.186−06	3.523−06	2.939−06	2.014−06	1.254−06	1.098−06	1.000−06
11	21	3.655−06	4.125−06	4.411−06	4.763−06	5.665−06	7.329−06	8.126−06	9.056−06
11	22	4.933−06	6.013−06	6.622−06	7.358−06	9.223−06	1.263−05	1.425−05	1.614−05
11	23	1.680−05	1.916−05	2.030−05	2.153−05	2.396−05	2.715−05	2.843−05	2.996−05
11	24	6.662−06	9.090−06	1.055−05	1.235−05	1.703−05	2.563−05	2.972−05	3.449−05
11	25	8.799−06	6.980−06	6.439−06	6.011−06	5.457−06	5.389−06	5.559−06	5.865−06
11	26	1.124−05	1.155−05	1.182−05	1.217−05	1.317−05	1.513−05	1.611−05	1.726−05
11	27	5.617−05	7.854−05	9.050−05	1.046−04	1.397−04	2.024−04	2.319−04	2.660−04
11	28	5.708−05	7.831−05	9.086−05	1.063−04	1.460−04	2.183−04	2.524−04	2.923−04
11	29	5.094−06	3.286−06	2.683−06	2.147−06	1.276−06	5.361−07	3.700−07	2.497−07
11	30	6.254−05	7.215−05	7.772−05	8.451−05	1.019−04	1.340−04	1.494−04	1.673−04
11	31	4.725−05	6.346−05	7.231−05	8.287−05	1.093−04	1.568−04	1.793−04	2.054−04
11	32	1.162−05	1.182−05	1.192−05	1.203−05	1.232−05	1.299−05	1.341−05	1.391−05
11	33	2.214−05	2.236−05	2.254−05	2.279−05	2.359−05	2.551−05	2.668−05	2.797−05
11	34	4.095−06	3.891−06	3.868−06	3.874−06	3.947−06	4.173−06	4.307−06	4.486−06
11	35	5.435−06	4.345−06	4.000−06	3.707−06	3.253−06	2.967−06	2.972−06	3.038−06
11	36	2.102−05	1.756−05	1.647−05	1.557−05	1.419−05	1.340−05	1.345−05	1.375−05
11	37	2.852−05	2.474−05	2.374−05	2.304−05	2.214−05	2.215−05	2.254−05	2.335−05
11	38	8.893−06	9.110−06	9.333−06	9.624−06	1.026−05	1.125−05	1.169−05	1.227−05
11	39	1.152−05	1.045−05	1.016−05	9.963−06	9.907−06	1.037−05	1.074−05	1.118−05
11	40	3.195−05	3.277−05	3.348−05	3.444−05	3.735−05	4.296−05	4.581−05	4.900−05
11	41	2.052−04	2.078−04	2.091−04	2.107−04	2.147−04	2.241−04	2.300−04	2.377−04
11	42	5.982−06	4.471−06	3.972−06	3.537−06	2.860−06	2.342−06	2.257−06	2.233−06
11	43	8.503−06	5.680−06	4.688−06	3.788−06	2.326−06	1.029−06	7.241−07	4.899−07
11	44	7.350−06	6.798−06	6.718−06	6.711−06	6.803−06	7.172−06	7.397−06	7.731−06
11	45	6.970−05	7.045−05	7.098−05	7.165−05	7.333−05	7.691−05	7.897−05	8.170−05
11	46	3.443−05	4.160−05	4.581−05	5.100−05	6.447−05	8.977−05	1.019−04	1.161−04
11	47	6.528−05	7.861−05	8.621−05	9.548−05	1.193−04	1.634−04	1.846−04	2.093−04
11	48	1.025−03	1.362−03	1.566−03	1.821−03	2.484−03	3.710−03	4.293−03	4.974−03
11	49	3.302−04	4.767−04	5.608−04	6.629−04	9.235−04	1.398−03	1.622−03	1.883−03
11	50	1.840−05	1.200−05	9.827−06	7.879−06	4.721−06	1.987−06	1.362−06	8.974−07
11	51	5.736−05	6.098−05	6.297−05	6.522−05	7.004−05	7.726−05	8.045−05	8.429−05
11	52	3.917−05	3.800−05	3.804−05	3.836−05	3.947−05	4.203−05	4.341−05	4.525−05
11	53	2.489−05	2.297−05	2.251−05	2.224−05	2.210−05	2.275−05	2.329−05	2.411−05
11	54	7.657−06	5.631−06	4.944−06	4.336−06	3.375−06	2.599−06	2.452−06	2.377−06
11	55	2.223−05	1.901−05	1.797−05	1.712−05	1.618−05	1.635−05	1.691−05	1.766−05
11	56	1.868−05	1.795−05	1.821−05	1.885−05	2.132−05	2.723−05	3.036−05	3.411−05
11	57	1.815−03	1.668−03	1.640−03	1.628−03	1.630−03	1.695−03	1.740−03	1.812−03
11	58	6.594−05	7.453−05	7.849−05	8.264−05	9.090−05	1.024−04	1.073−04	1.130−04
11	59	9.176−05	9.962−05	1.033−04	1.071−04	1.150−04	1.265−04	1.317−04	1.379−04
11	60	4.880−05	4.539−05	4.465−05	4.431−05	4.493−05	4.815−05	5.025−05	5.277−05
11	61	1.553−04	1.848−04	1.976−04	2.106−04	2.359−04	2.692−04	2.829−04	2.982−04
11	62	1.215−04	1.686−04	1.964−04	2.306−04	3.190−04	4.817−04	5.588−04	6.489−04
11	63	5.074−05	5.722−05	6.019−05	6.330−05	6.955−05	7.819−05	8.182−05	8.600−05
11	64	1.578−05	1.220−05	1.099−05	9.926−06	8.372−06	7.396−06	7.366−06	7.492−06
11	65	9.177−04	1.296−03	1.517−03	1.787−03	2.481−03	3.755−03	4.358−03	5.063−03
11	66	9.507−03	9.367−03	9.356−03	9.373−03	9.482−03	9.865−03	1.013−02	1.048−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
11	67	2.612−04	3.111−04	3.461−04	3.917−04	5.166−04	7.565−04	8.725−04	1.009−03
11	68	3.269−03	4.915−03	5.828−03	6.925−03	9.692−03	1.470−02	1.706−02	1.981−02
11	69	7.708−05	6.361−05	5.929−05	5.562−05	5.028−05	4.729−05	4.750−05	4.841−05
11	70	4.253−05	3.815−05	3.717−05	3.660−05	3.598−05	3.707−05	3.836−05	4.027−05
11	71	4.617−04	5.341−04	5.890−04	6.623−04	8.678−04	1.271−03	1.468−03	1.700−03
11	72	5.783−05	6.207−05	6.426−05	6.667−05	7.177−05	7.942−05	8.286−05	8.690−05
11	73	9.272−03	1.018−02	1.084−02	1.169−02	1.395−02	1.830−02	2.041−02	2.290−02
11	74	5.739−05	4.231−05	3.725−05	3.279−05	2.574−05	2.021−05	1.931−05	1.894−05
11	75	3.296−04	2.286−04	1.939−04	1.629−04	1.129−04	7.041−05	6.123−05	5.494−05
11	76	4.234−05	4.152−05	4.170−05	4.213−05	4.340−05	4.646−05	4.829−05	5.061−05
11	77	2.032−03	1.938−03	1.910−03	1.887−03	1.864−03	1.898−03	1.939−03	1.996−03
11	78	3.937−04	3.624−04	3.525−04	3.443−04	3.334−04	3.334−04	3.393−04	3.487−04
11	79	3.749−02	4.591−02	5.058−02	5.618−02	7.031−02	9.605−02	1.083−01	1.225−01
11	80	9.723−04	7.334−04	6.563−04	5.901−04	4.879−04	4.128−04	4.019−04	4.016−04
11	81	1.292−03	1.107−03	1.056−03	1.018−03	9.695−04	9.624−04	9.774−04	1.010−03
11	82	4.132−04	3.182−04	2.874−04	2.610−04	2.202−04	1.906−04	1.866−04	1.872−04
11	83	8.556−03	8.819−03	8.936−03	9.061−03	9.338−03	9.860−03	1.015−02	1.052−02
11	84	2.999−02	3.109−02	3.153−02	3.198−02	3.295−02	3.476−02	3.577−02	3.704−02
11	85	2.286−03	2.405−03	2.492−03	2.601−03	2.823−03	3.146−03	3.280−03	3.457−03
11	86	7.255−04	4.951−04	4.154−04	3.436−04	2.273−04	1.264−04	1.036−04	8.717−05
11	87	1.197−03	1.123−03	1.115−03	1.120−03	1.145−03	1.216−03	1.255−03	1.313−03
11	88	7.674−03	9.398−03	1.037−02	1.153−02	1.449−02	1.990−02	2.248−02	2.548−02
11	89	6.666−04	8.455−04	9.473−04	1.071−03	1.386−03	1.966−03	2.243−03	2.564−03
11	90	7.417−03	8.954−03	9.835−03	1.090−02	1.364−02	1.869−02	2.110−02	2.391−02
11	91	9.347−04	1.004−03	1.064−03	1.146−03	1.377−03	1.840−03	2.069−03	2.339−03
11	92	1.912−03	1.517−03	1.403−03	1.313−03	1.179−03	1.112−03	1.114−03	1.143−03
11	93	3.661−04	2.988−04	2.788−04	2.628−04	2.400−04	2.286−04	2.299−04	2.359−04
11	94	1.130−04	9.558−05	9.093−05	8.767−05	8.529−05	9.078−05	9.565−05	1.021−04
11	95	1.467−03	9.759−04	8.177−04	6.804−04	4.625−04	2.872−04	2.515−04	2.311−04
11	96	2.331−02	2.958−02	3.293−02	3.689−02	4.674−02	6.445−02	7.282−02	8.250−02
11	97	1.223−03	9.904−04	9.286−04	8.855−04	8.510−04	9.182−04	9.777−04	1.061−03
11	98	2.402−03	2.357−03	2.386−03	2.442−03	2.559−03	2.782−03	2.880−03	3.024−03
11	99	3.608−02	4.635−02	5.181−02	5.825−02	7.427−02	1.030−01	1.166−01	1.323−01
11	100	4.164−02	5.357−02	5.990−02	6.735−02	8.586−02	1.190−01	1.347−01	1.528−01
11	101	2.234−02	2.874−02	3.214−02	3.614−02	4.608−02	6.387−02	7.227−02	8.198−02
11	102	1.498−03	1.270−03	1.213−03	1.175−03	1.124−03	1.131−03	1.151−03	1.195−03
11	103	1.297−02	1.619−02	1.797−02	2.009−02	2.545−02	3.518−02	3.981−02	4.518−02
11	104	2.600−03	3.000−03	3.247−03	3.556−03	4.370−03	5.907−03	6.651−03	7.519−03
11	105	8.462−04	7.308−04	7.074−04	6.971−04	7.051−04	7.843−04	8.345−04	9.025−04
11	106	1.239−04	1.044−04	9.767−05	9.164−05	8.215−05	7.527−05	7.460−05	7.503−05
11	107	1.332−04	9.460−05	8.205−05	7.124−05	5.521−05	4.516−05	4.466−05	4.568−05
11	108	1.131−04	7.731−05	6.509−05	5.418−05	3.662−05	2.178−05	1.853−05	1.630−05
11	109	4.118−05	2.757−05	2.299−05	1.894−05	1.246−05	6.999−06	5.810−06	5.013−06
11	110	5.605−05	4.654−05	4.387−05	4.184−05	3.902−05	3.804−05	3.849−05	3.974−05
11	111	1.289−05	1.142−05	1.109−05	1.090−05	1.075−05	1.106−05	1.134−05	1.181−05
11	112	1.319−04	1.257−04	1.238−04	1.224−04	1.208−04	1.224−04	1.245−04	1.278−04
11	113	1.092−05	7.296−06	6.033−06	4.890−06	3.024−06	1.385−06	1.005−06	7.172−07
11	114	5.570−05	3.453−05	2.775−05	2.186−05	1.251−05	4.834−06	3.182−06	2.089−06
11	115	7.251−05	5.610−05	5.128−05	4.742−05	4.160−05	3.828−05	3.814−05	3.900−05
11	116	1.426−04	1.549−04	1.646−04	1.778−04	2.146−04	2.879−04	3.242−04	3.668−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
11	117	2.560−04	2.798−04	2.973−04	3.203−04	3.844−04	5.109−04	5.735−04	6.465−04
11	118	1.957−05	1.345−05	1.153−05	9.911−06	7.613−06	6.447−06	6.540−06	6.930−06
11	119	1.505−04	9.545−05	7.730−05	6.130−05	3.569−05	1.408−05	9.280−06	5.905−06
11	120	1.637−05	1.362−05	1.278−05	1.208−05	1.106−05	1.051−05	1.055−05	1.078−05
11	121	1.620−04	2.037−04	2.268−04	2.544−04	3.243−04	4.517−04	5.123−04	5.826−04
11	122	3.215−04	3.917−04	4.314−04	4.795−04	6.025−04	8.294−04	9.382−04	1.064−03
11	123	4.688−04	5.678−04	6.248−04	6.942−04	8.722−04	1.201−03	1.359−03	1.542−03
11	124	2.446−05	1.622−05	1.350−05	1.111−05	7.338−06	4.290−06	3.682−06	3.312−06
11	125	1.095−04	1.298−04	1.420−04	1.569−04	1.956−04	2.678−04	3.025−04	3.429−04
12	13	1.533−02	1.086−02	9.197−03	7.703−03	5.498−03	3.298−03	2.820−03	2.493−03
12	14	1.560−02	1.332−02	1.208−02	1.105−02	1.044−02	8.759−03	8.558−03	8.604−03
12	15	1.277−02	9.704−03	8.453−03	7.351−03	5.971−03	4.329−03	4.015−03	3.852−03
12	16	2.390−08	2.433−08	2.566−08	2.773−08	3.406−08	4.712−08	5.363−08	6.133−08
12	17	4.813−07	5.464−07	5.784−07	6.132−07	6.804−07	7.684−07	8.035−07	8.469−07
12	18	5.138−07	4.875−07	4.811−07	4.768−07	4.697−07	4.645−07	4.626−07	4.680−07
12	19	1.981−06	1.362−06	1.158−06	9.788−07	6.963−07	4.684−07	4.229−07	3.961−07
12	20	2.405−06	1.687−06	1.449−06	1.238−06	9.038−07	6.400−07	5.923−07	5.655−07
12	21	2.384−06	2.767−06	2.973−06	3.217−06	3.823−06	4.907−06	5.421−06	6.013−06
12	22	3.111−07	2.726−07	2.671−07	2.676−07	2.866−07	3.525−07	3.905−07	4.374−07
12	23	1.651−05	1.976−05	2.122−05	2.274−05	2.567−05	2.938−05	3.082−05	3.251−05
12	24	5.855−06	7.635−06	8.745−06	1.012−05	1.370−05	2.024−05	2.335−05	2.696−05
12	25	3.770−06	3.431−06	3.364−06	3.335−06	3.356−06	3.580−06	3.725−06	3.928−06
12	26	2.747−05	3.395−05	3.752−05	4.180−05	5.256−05	7.208−05	8.136−05	9.211−05
12	27	6.569−06	9.862−06	1.172−05	1.394−05	1.955−05	2.953−05	3.421−05	3.962−05
12	28	5.302−05	8.608−05	1.041−04	1.254−04	1.786−04	2.733−04	3.177−04	3.691−04
12	29	3.773−06	2.501−06	2.078−06	1.705−06	1.113−06	6.195−07	5.136−07	4.437−07
12	30	4.048−06	3.450−06	3.330−06	3.282−06	3.392−06	3.999−06	4.376−06	4.846−06
12	31	1.282−05	1.907−05	2.247−05	2.649−05	3.640−05	5.391−05	6.206−05	7.154−05
12	32	1.088−05	1.117−05	1.131−05	1.146−05	1.177−05	1.233−05	1.262−05	1.303−05
12	33	9.379−06	9.750−06	1.003−05	1.038−05	1.114−05	1.230−05	1.281−05	1.345−05
12	34	1.345−06	1.203−06	1.174−06	1.161−06	1.151−06	1.187−06	1.217−06	1.271−06
12	35	6.755−06	5.137−06	4.596−06	4.120−06	3.376−06	2.806−06	2.715−06	2.687−06
12	36	8.192−06	7.038−06	6.663−06	6.341−06	5.845−06	5.509−06	5.482−06	5.542−06
12	37	3.130−06	2.118−06	1.763−06	1.441−06	9.145−07	4.506−07	3.435−07	2.622−07
12	38	9.558−07	6.603−07	5.631−07	4.781−07	3.407−07	2.285−07	2.061−07	1.944−07
12	39	3.720−05	4.859−05	5.475−05	6.208−05	8.041−05	1.135−04	1.291−04	1.472−04
12	40	1.480−05	1.583−05	1.667−05	1.779−05	2.094−05	2.722−05	3.032−05	3.399−05
12	41	1.786−04	1.851−04	1.879−04	1.908−04	1.970−04	2.081−04	2.141−04	2.217−04
12	42	5.063−06	5.485−06	5.732−06	6.019−06	6.591−06	7.383−06	7.711−06	8.130−06
12	43	4.838−06	3.084−06	2.517−06	2.023−06	1.231−06	5.783−07	4.370−07	3.440−07
12	44	3.412−06	2.871−06	2.720−06	2.605−06	2.459−06	2.428−06	2.467−06	2.547−06
12	45	6.016−05	6.057−05	6.087−05	6.124−05	6.236−05	6.515−05	6.691−05	6.919−05
12	46	1.779−05	2.224−05	2.513−05	2.881−05	3.868−05	5.735−05	6.632−05	7.685−05
12	47	4.807−05	5.563−05	5.974−05	6.461−05	7.689−05	9.902−05	1.096−04	1.217−04
12	48	4.924−05	4.861−05	4.990−05	5.224−05	6.044−05	7.831−05	8.748−05	9.838−05
12	49	1.889−05	1.464−05	1.315−05	1.183−05	9.829−06	8.381−06	8.224−06	8.222−06
12	50	2.025−06	1.319−06	1.079−06	8.643−07	5.168−07	2.168−07	1.483−07	9.762−08
12	51	5.382−06	3.794−06	3.285−06	2.848−06	2.139−06	1.577−06	1.479−06	1.454−06
12	52	3.730−06	2.852−06	2.587−06	2.373−06	2.036−06	1.812−06	1.794−06	1.833−06
12	53	1.305−05	1.141−05	1.096−05	1.064−05	1.021−05	1.018−05	1.034−05	1.069−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
12	54	6.867−06	5.235−06	4.705−06	4.251−06	3.549−06	3.030−06	2.956−06	2.958−06
12	55	1.011−04	1.525−04	1.807−04	2.144−04	2.989−04	4.510−04	5.225−04	6.056−04
12	56	2.452−05	2.595−05	2.745−05	2.956−05	3.578−05	4.802−05	5.404−05	6.111−05
12	57	1.080−04	9.422−05	9.058−05	8.800−05	8.489−05	8.526−05	8.687−05	8.992−05
12	58	2.659−05	2.819−05	2.909−05	3.013−05	3.235−05	3.568−05	3.714−05	3.892−05
12	59	2.784−05	2.658−05	2.623−05	2.598−05	2.574−05	2.627−05	2.685−05	2.770−05
12	60	1.160−04	1.381−04	1.508−04	1.662−04	2.058−04	2.792−04	3.145−04	3.555−04
12	61	2.881−05	3.345−05	3.547−05	3.756−05	4.164−05	4.708−05	4.932−05	5.187−05
12	62	1.531−04	1.671−04	1.786−04	1.946−04	2.408−04	3.345−04	3.811−04	4.362−04
12	63	6.933−06	5.965−06	5.769−06	5.677−06	5.571−06	5.732−06	5.912−06	6.246−06
12	64	7.861−05	1.225−04	1.470−04	1.764−04	2.504−04	3.832−04	4.453−04	5.177−04
12	65	1.073−03	1.378−03	1.569−03	1.809−03	2.442−03	3.626−03	4.191−03	4.854−03
12	66	4.502−04	3.863−04	3.647−04	3.456−04	3.164−04	2.981−04	2.984−04	3.026−04
12	67	1.077−03	1.672−03	2.005−03	2.404−03	3.408−03	5.201−03	6.040−03	7.015−03
12	68	1.989−04	1.733−04	1.691−04	1.692−04	1.838−04	2.328−04	2.611−04	2.962−04
12	69	9.092−05	9.631−05	9.971−05	1.037−04	1.121−04	1.243−04	1.294−04	1.360−04
12	70	2.493−05	1.776−05	1.538−05	1.329−05	9.987−06	7.369−06	6.922−06	6.714−06
12	71	4.762−04	6.955−04	8.210−04	9.735−04	1.362−03	2.069−03	2.402−03	2.790−03
12	72	1.833−04	1.938−04	1.987−04	2.039−04	2.148−04	2.320−04	2.403−04	2.504−04
12	73	9.396−04	1.072−03	1.158−03	1.268−03	1.558−03	2.108−03	2.373−03	2.685−03
12	74	1.671−04	1.556−04	1.535−04	1.527−04	1.536−04	1.602−04	1.646−04	1.712−04
12	75	7.732−04	6.686−04	6.397−04	6.183−04	5.907−04	5.873−04	5.967−04	6.164−04
12	76	1.665−05	1.221−05	1.076−05	9.493−06	7.516−06	6.027−06	5.810−06	5.752−06
12	77	1.376−03	1.418−03	1.457−03	1.507−03	1.613−03	1.774−03	1.844−03	1.938−03
12	78	4.151−04	4.143−04	4.204−04	4.300−04	4.524−04	4.910−04	5.090−04	5.335−04
12	79	1.034−03	1.068−03	1.117−03	1.190−03	1.411−03	1.878−03	2.114−03	2.392−03
12	80	6.455−04	6.324−04	6.378−04	6.490−04	6.770−04	7.297−04	7.555−04	7.915−04
12	81	1.999−03	1.566−03	1.429−03	1.314−03	1.140−03	1.022−03	1.012−03	1.024−03
12	82	6.681−04	6.256−04	6.207−04	6.223−04	6.342−04	6.706−04	6.914−04	7.227−04
12	83	4.692−03	4.559−03	4.525−03	4.503−03	4.501−03	4.625−03	4.730−03	4.879−03
12	84	1.279−03	1.228−03	1.218−03	1.213−03	1.218−03	1.261−03	1.294−03	1.340−03
12	85	4.599−04	3.371−04	2.970−04	2.624−04	2.082−04	1.665−04	1.594−04	1.573−04
12	86	1.906−02	1.974−02	2.000−02	2.027−02	2.087−02	2.198−02	2.261−02	2.341−02
12	87	5.094−04	4.072−04	3.758−04	3.499−04	3.118−04	2.889−04	2.885−04	2.942−04
12	88	2.341−03	1.923−03	1.807−03	1.720−03	1.603−03	1.585−03	1.616−03	1.681−03
12	89	4.121−03	5.988−03	7.013−03	8.239−03	1.132−02	1.690−02	1.954−02	2.260−02
12	90	2.089−03	2.014−03	2.025−03	2.060−03	2.141−03	2.319−03	2.403−03	2.526−03
12	91	1.864−03	1.969−03	2.073−03	2.219−03	2.637−03	3.485−03	3.907−03	4.404−03
12	92	3.038−03	2.287−03	2.060−03	1.874−03	1.589−03	1.404−03	1.384−03	1.404−03
12	93	4.466−04	5.012−04	5.309−04	5.645−04	6.294−04	7.155−04	7.493−04	7.923−04
12	94	1.867−03	2.525−03	2.892−03	3.335−03	4.460−03	6.516−03	7.491−03	8.626−03
12	95	9.071−04	6.061−04	5.082−04	4.228−04	2.867−04	1.763−04	1.536−04	1.400−04
12	96	2.332−02	2.855−02	3.145−02	3.494−02	4.377−02	5.992−02	6.764−02	7.656−02
12	97	1.883−02	2.362−02	2.619−02	2.923−02	3.681−02	5.044−02	5.689−02	6.435−02
12	98	6.331−04	4.377−04	3.765−04	3.245−04	2.427−04	1.808−04	1.696−04	1.658−04
12	99	2.379−03	2.714−03	2.936−03	3.220−03	3.967−03	5.385−03	6.069−03	6.874−03
12	100	3.624−03	4.293−03	4.687−03	5.170−03	6.418−03	8.742−03	9.860−03	1.116−02
12	101	1.798−03	2.211−03	2.441−03	2.717−03	3.416−03	4.689−03	5.294−03	5.997−03
12	102	7.340−04	5.382−04	4.784−04	4.285−04	3.514−04	2.982−04	2.910−04	2.929−04
12	103	6.914−02	8.917−02	9.972−02	1.121−01	1.428−01	1.977−01	2.236−01	2.535−01

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
12	104	4.175−04	4.070−04	4.144−04	4.296−04	4.851−04	6.150−04	6.837−04	7.651−04
12	105	1.663−03	1.961−03	2.127−03	2.326−03	2.792−03	3.604−03	3.977−03	4.419−03
12	106	2.323−02	2.407−02	2.441−02	2.474−02	2.549−02	2.687−02	2.765−02	2.863−02
12	107	4.050−04	5.051−04	5.615−04	6.298−04	8.039−04	1.124−03	1.276−03	1.454−03
12	108	7.520−04	5.005−04	4.141−04	3.365−04	2.110−04	1.024−04	7.777−05	5.964−05
12	109	1.039−03	9.275−04	9.016−04	8.866−04	8.739−04	8.977−04	9.192−04	9.562−04
12	110	1.602−03	1.615−03	1.650−03	1.701−03	1.811−03	1.989−03	2.068−03	2.176−03
12	111	2.931−04	2.095−04	1.813−04	1.563−04	1.165−04	8.355−05	7.691−05	7.316−05
12	112	5.369−04	4.147−04	3.757−04	3.427−04	2.923−04	2.570−04	2.528−04	2.550−04
12	113	1.301−05	8.343−06	6.776−06	5.388−06	3.179−06	1.299−06	8.744−07	5.702−07
12	114	1.489−03	1.229−03	1.158−03	1.106−03	1.031−03	1.010−03	1.022−03	1.056−03
12	115	1.741−03	1.643−03	1.640−03	1.657−03	1.703−03	1.824−03	1.882−03	1.973−03
12	116	2.705−02	3.484−02	3.897−02	4.384−02	5.592−02	7.756−02	8.778−02	9.960−02
12	117	2.506−02	3.209−02	3.584−02	4.029−02	5.136−02	7.127−02	8.069−02	9.158−02
12	118	9.165−03	1.170−02	1.304−02	1.464−02	1.861−02	2.575−02	2.912−02	3.302−02
12	119	1.049−03	6.616−04	5.349−04	4.235−04	2.456−04	9.640−05	6.350−05	4.065−05
12	120	6.312−05	5.267−05	4.956−05	4.707−05	4.352−05	4.186−05	4.217−05	4.328−05
12	121	6.929−03	8.788−03	9.788−03	1.097−02	1.394−02	1.928−02	2.181−02	2.473−02
12	122	1.319−03	1.228−03	1.232−03	1.262−03	1.403−03	1.770−03	1.968−03	2.209−03
12	123	4.628−03	5.535−03	6.066−03	6.716−03	8.386−03	1.148−02	1.297−02	1.469−02
12	124	2.694−04	3.164−04	3.445−04	3.791−04	4.689−04	6.367−04	7.176−04	8.115−04
12	125	9.593−05	7.071−05	6.302−05	5.672−05	4.769−05	4.332−05	4.377−05	4.564−05
13	14	1.930−02	1.635−02	1.478−02	1.348−02	1.266−02	1.055−02	1.030−02	1.034−02
13	15	4.227−02	3.583−02	3.243−02	2.954−02	2.750−02	2.294−02	2.233−02	2.235−02
13	16	2.145−08	1.269−08	1.003−08	7.757−09	4.156−09	1.355−09	7.863−10	4.473−10
13	17	1.845−07	2.094−07	2.213−07	2.341−07	2.591−07	2.923−07	3.057−07	3.217−07
13	18	6.264−07	6.480−07	6.654−07	6.871−07	7.342−07	8.062−07	8.382−07	8.794−07
13	19	1.203−06	1.023−06	9.719−07	9.315−07	8.779−07	8.636−07	8.763−07	9.021−07
13	20	2.616−06	1.789−06	1.515−06	1.275−06	8.941−07	5.850−07	5.224−07	4.842−07
13	21	2.580−07	2.486−07	2.491−07	2.521−07	2.668−07	3.013−07	3.201−07	3.422−07
13	22	3.887−06	4.645−06	5.040−06	5.502−06	6.636−06	8.641−06	9.588−06	1.068−05
13	23	1.190−05	1.401−05	1.497−05	1.598−05	1.795−05	2.046−05	2.145−05	2.261−05
13	24	1.125−06	9.644−07	9.206−07	8.878−07	8.430−07	8.369−07	8.493−07	8.757−07
13	25	1.235−05	1.734−05	2.025−05	2.377−05	3.276−05	4.891−05	5.651−05	6.534−05
13	26	1.590−05	2.515−05	3.028−05	3.641−05	5.177−05	7.917−05	9.200−05	1.069−04
13	27	1.612−06	1.216−06	1.091−06	9.848−07	8.185−07	7.001−07	6.835−07	6.843−07
13	28	3.138−06	2.937−06	2.893−06	2.872−06	2.862−06	2.954−06	3.020−06	3.126−06
13	29	7.534−06	5.244−06	4.483−06	3.810−06	2.738−06	1.863−06	1.688−06	1.583−06
13	30	2.238−05	2.654−05	2.889−05	3.173−05	3.894−05	5.215−05	5.847−05	6.577−05
13	31	4.559−05	6.657−05	7.811−05	9.189−05	1.265−04	1.886−04	2.178−04	2.518−04
13	32	1.825−06	1.754−06	1.750−06	1.760−06	1.801−06	1.906−06	1.966−06	2.049−06
13	33	3.256−05	3.777−05	4.021−05	4.281−05	4.788−05	5.445−05	5.705−05	6.014−05
13	34	7.330−06	6.902−06	6.785−06	6.702−06	6.618−06	6.723−06	6.851−06	7.056−06
13	35	6.481−05	6.733−05	6.844−05	6.959−05	7.193−05	7.576−05	7.771−05	8.035−05
13	36	1.514−06	1.529−06	1.562−06	1.609−06	1.709−06	1.869−06	1.942−06	2.042−06
13	37	3.016−07	2.694−07	2.625−07	2.587−07	2.562−07	2.647−07	2.717−07	2.831−07
13	38	5.207−06	3.994−06	3.600−06	3.261−06	2.733−06	2.341−06	2.285−06	2.287−06
13	39	1.941−05	2.896−05	3.435−05	4.082−05	5.710−05	8.623−05	9.988−05	1.158−04
13	40	5.098−05	7.201−05	8.348−05	9.714−05	1.312−04	1.925−04	2.213−04	2.548−04
13	41	5.218−06	5.286−06	5.388−06	5.530−06	5.859−06	6.396−06	6.645−06	6.969−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
13	42	1.108−04	1.129−04	1.140−04	1.151−04	1.178−04	1.231−04	1.262−04	1.304−04
13	43	8.118−06	5.527−06	4.731−06	4.064−06	3.094−06	2.567−06	2.581−06	2.703−06
13	44	7.147−06	6.286−06	6.071−06	5.928−06	5.788−06	5.896−06	6.033−06	6.261−06
13	45	3.797−05	4.063−05	4.221−05	4.405−05	4.787−05	5.332−05	5.563−05	5.849−05
13	46	4.738−05	7.457−05	8.951−05	1.073−04	1.514−04	2.293−04	2.656−04	3.077−04
13	47	1.495−04	2.164−04	2.534−04	2.975−04	4.086−04	6.088−04	7.030−04	8.127−04
13	48	1.364−06	9.153−07	7.751−07	6.553−07	4.666−07	3.219−07	2.949−07	2.829−07
13	49	2.745−06	1.999−06	1.744−06	1.516−06	1.155−06	8.565−07	7.965−07	7.626−07
13	50	2.737−07	1.684−07	1.351−07	1.062−07	5.949−08	2.199−08	1.408−08	8.795−09
13	51	4.323−05	4.047−05	3.967−05	3.906−05	3.837−05	3.883−05	3.956−05	4.073−05
13	52	1.230−05	8.511−06	7.208−06	6.039−06	4.148−06	2.528−06	2.173−06	1.928−06
13	53	8.518−06	6.054−06	5.223−06	4.487−06	3.312−06	2.341−06	2.146−06	2.033−06
13	54	2.154−06	1.622−06	1.451−06	1.303−06	1.075−06	9.063−07	8.821−07	8.806−07
13	55	8.365−06	6.186−06	5.459−06	4.821−06	3.803−06	2.992−06	2.839−06	2.771−06
13	56	1.369−04	1.995−04	2.335−04	2.740−04	3.751−04	5.566−04	6.418−04	7.410−04
13	57	1.153−05	1.286−05	1.358−05	1.438−05	1.594−05	1.800−05	1.882−05	1.986−05
13	58	2.765−04	2.855−04	2.892−04	2.930−04	3.013−04	3.168−04	3.255−04	3.367−04
13	59	1.998−05	2.039−05	2.090−05	2.160−05	2.308−05	2.537−05	2.640−05	2.779−05
13	60	1.574−04	1.610−04	1.655−04	1.720−04	1.916−04	2.293−04	2.481−04	2.698−04
13	61	1.036−05	9.130−06	8.824−06	8.623−06	8.430−06	8.596−06	8.805−06	9.157−06
13	62	4.455−04	7.127−04	8.590−04	1.033−03	1.469−03	2.247−03	2.611−03	3.034−03
13	63	3.702−06	3.354−06	3.286−06	3.256−06	3.258−06	3.395−06	3.494−06	3.649−06
13	64	8.267−06	5.633−06	4.755−06	3.981−06	2.738−06	1.700−06	1.476−06	1.334−06
13	65	1.947−04	1.400−04	1.211−04	1.045−04	7.982−05	6.313−05	6.176−05	6.271−05
13	66	5.218−05	5.325−05	5.452−05	5.623−05	5.986−05	6.556−05	6.811−05	7.153−05
13	67	6.685−05	4.539−05	3.766−05	3.057−05	1.905−05	8.621−06	6.131−06	4.179−06
13	68	1.872−03	2.380−03	2.701−03	3.105−03	4.177−03	6.189−03	7.152−03	8.281−03
13	69	2.294−04	2.120−04	2.082−04	2.063−04	2.056−04	2.123−04	2.176−04	2.259−04
13	70	1.207−04	1.149−04	1.147−04	1.158−04	1.193−04	1.273−04	1.315−04	1.377−04
13	71	1.719−03	2.503−03	2.954−03	3.500−03	4.890−03	7.399−03	8.577−03	9.950−03
13	72	3.096−05	2.152−05	1.822−05	1.524−05	1.038−05	6.154−06	5.206−06	4.523−06
13	73	2.768−05	2.569−05	2.552−05	2.575−05	2.723−05	3.158−05	3.401−05	3.699−05
13	74	4.186−05	4.389−05	4.541−05	4.729−05	5.114−05	5.676−05	5.916−05	6.229−05
13	75	3.088−04	3.348−04	3.501−04	3.677−04	4.026−04	4.506−04	4.703−04	4.956−04
13	76	9.230−04	9.513−04	9.627−04	9.745−04	1.001−03	1.052−03	1.081−03	1.119−03
13	77	5.503−04	3.830−04	3.253−04	2.735−04	1.897−04	1.178−04	1.021−04	9.136−05
13	78	1.273−04	8.518−05	7.055−05	5.735−05	3.591−05	1.713−05	1.280−05	9.564−06
13	79	3.423−04	4.446−04	5.013−04	5.693−04	7.395−04	1.047−03	1.192−03	1.362−03
13	80	3.071−03	2.831−03	2.783−03	2.763−03	2.766−03	2.874−03	2.951−03	3.071−03
13	81	1.305−03	1.265−03	1.263−03	1.268−03	1.292−03	1.357−03	1.397−03	1.452−03
13	82	3.099−04	2.486−04	2.299−04	2.147−04	1.923−04	1.793−04	1.793−04	1.832−04
13	83	1.318−03	1.338−03	1.366−03	1.406−03	1.492−03	1.629−03	1.691−03	1.775−03
13	84	1.091−03	8.685−04	8.005−04	7.445−04	6.620−04	6.127−04	6.119−04	6.240−04
13	85	3.046−03	2.503−03	2.341−03	2.212−03	2.027−03	1.935−03	1.947−03	1.998−03
13	86	1.200−03	9.606−04	8.869−04	8.260−04	7.357−04	6.810−04	6.798−04	6.931−04
13	87	2.920−02	2.981−02	3.008−02	3.036−02	3.105−02	3.254−02	3.344−02	3.459−02
13	88	2.302−03	2.822−03	3.118−03	3.477−03	4.381−03	6.029−03	6.811−03	7.723−03
13	89	2.975−03	4.338−03	5.106−03	6.034−03	8.390−03	1.268−02	1.471−02	1.706−02
13	90	3.164−03	2.611−03	2.469−03	2.377−03	2.338−03	2.598−03	2.792−03	3.053−03
13	91	2.282−04	1.973−04	1.900−04	1.856−04	1.802−04	1.838−04	1.877−04	1.953−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
13	92	3.774−03	4.119−03	4.385−03	4.740−03	5.729−03	7.692−03	8.663−03	9.799−03
13	93	9.425−04	1.056−03	1.118−03	1.188−03	1.324−03	1.504−03	1.575−03	1.665−03
13	94	7.442−04	8.731−04	9.669−04	1.090−03	1.427−03	2.071−03	2.383−03	2.747−03
13	95	4.298−03	3.540−03	3.332−03	3.179−03	2.971−03	2.941−03	2.996−03	3.115−03
13	96	4.858−03	5.816−03	6.369−03	7.043−03	8.746−03	1.187−02	1.336−02	1.509−02
13	97	8.786−04	6.509−04	5.796−04	5.196−04	4.272−04	3.634−04	3.554−04	3.573−04
13	98	4.355−03	3.138−03	2.761−03	2.443−03	1.948−03	1.591−03	1.534−03	1.530−03
13	99	2.260−02	2.775−02	3.059−02	3.398−02	4.253−02	5.808−02	6.547−02	7.404−02
13	100	7.747−03	9.091−03	9.886−03	1.086−02	1.337−02	1.800−02	2.022−02	2.281−02
13	101	5.568−04	3.465−04	2.790−04	2.203−04	1.268−04	5.006−05	3.353−05	2.253−05
13	102	9.342−02	1.201−01	1.342−01	1.509−01	1.925−01	2.670−01	3.023−01	3.430−01
13	103	1.841−02	2.258−02	2.486−02	2.758−02	3.442−02	4.683−02	5.272−02	5.955−02
13	104	8.446−04	8.591−04	8.817−04	9.137−04	9.754−04	1.077−03	1.118−03	1.176−03
13	105	4.624−03	5.261−03	5.655−03	6.146−03	7.401−03	9.733−03	1.085−02	1.216−02
13	106	7.730−04	5.230−04	4.376−04	3.612−04	2.382−04	1.330−04	1.097−04	9.334−05
13	107	1.676−04	1.780−04	1.853−04	1.943−04	2.112−04	2.361−04	2.457−04	2.590−04
13	108	4.117−02	4.258−02	4.315−02	4.372−02	4.500−02	4.741−02	4.879−02	5.051−02
13	109	1.888−03	1.725−03	1.690−03	1.672−03	1.664−03	1.721−03	1.765−03	1.835−03
13	110	2.211−03	1.983−03	1.932−03	1.903−03	1.881−03	1.937−03	1.985−03	2.065−03
13	111	3.985−04	3.273−04	3.069−04	2.911−04	2.691−04	2.604−04	2.629−04	2.709−04
13	112	1.145−03	1.143−03	1.164−03	1.196−03	1.267−03	1.387−03	1.441−03	1.516−03
13	113	2.953−05	3.328−05	3.530−05	3.760−05	4.201−05	4.788−05	5.016−05	5.306−05
13	114	4.724−03	4.850−03	5.041−03	5.325−03	6.152−03	7.869−03	8.728−03	9.754−03
13	115	2.982−03	2.325−03	2.131−03	1.975−03	1.739−03	1.604−03	1.599−03	1.634−03
13	116	8.600−03	1.058−02	1.168−02	1.301−02	1.636−02	2.247−02	2.538−02	2.876−02
13	117	3.309−02	4.226−02	4.715−02	5.294−02	6.733−02	9.316−02	1.054−01	1.195−01
13	118	4.276−04	2.809−04	2.337−04	1.929−04	1.281−04	7.593−05	6.519−05	5.895−05
13	119	9.491−02	1.230−01	1.379−01	1.554−01	1.988−01	2.765−01	3.132−01	3.556−01
13	120	5.800−05	5.566−05	5.577−05	5.647−05	5.849−05	6.281−05	6.498−05	6.810−05
13	121	3.754−04	2.921−04	2.687−04	2.504−04	2.235−04	2.104−04	2.111−04	2.171−04
13	122	2.339−03	2.597−03	2.768−03	2.984−03	3.535−03	4.563−03	5.054−03	5.635−03
13	123	4.299−03	4.804−03	5.141−03	5.571−03	6.693−03	8.818−03	9.843−03	1.105−02
13	124	2.061−04	2.387−04	2.584−04	2.827−04	3.438−04	4.565−04	5.101−04	5.730−04
13	125	1.427−03	1.817−03	2.026−03	2.273−03	2.887−03	3.992−03	4.515−03	5.120−03
14	15	1.056−02	8.458−03	7.507−03	6.683−03	5.836−03	4.560−03	4.346−03	4.273−03
14	16	5.443−08	5.097−08	5.023−08	4.997−08	5.127−08	5.671−08	6.016−08	6.432−08
14	17	7.978−07	8.286−07	8.414−07	8.545−07	8.842−07	9.394−07	9.701−07	1.007−06
14	18	1.554−07	1.145−07	1.020−07	9.147−08	7.412−08	6.190−08	6.058−08	6.131−08
14	19	2.229−06	1.913−06	1.813−06	1.726−06	1.585−06	1.487−06	1.477−06	1.490−06
14	20	2.120−06	1.459−06	1.240−06	1.045−06	7.238−07	4.578−07	4.025−07	3.655−07
14	21	3.850−07	5.127−07	5.822−07	6.651−07	8.718−07	1.244−06	1.419−06	1.622−06
14	22	9.822−08	8.656−08	8.339−08	8.123−08	7.821−08	7.835−08	7.941−08	8.208−08
14	23	3.346−05	3.544−05	3.624−05	3.705−05	3.879−05	4.168−05	4.318−05	4.495−05
14	24	6.180−06	7.174−06	7.796−06	8.583−06	1.067−05	1.466−05	1.658−05	1.884−05
14	25	1.627−05	2.052−05	2.294−05	2.587−05	3.333−05	4.701−05	5.350−05	6.107−05
14	26	7.978−06	9.242−06	1.014−05	1.132−05	1.458−05	2.094−05	2.403−05	2.767−05
14	27	8.786−06	1.134−05	1.277−05	1.451−05	1.893−05	2.701−05	3.084−05	3.530−05
14	28	4.932−06	5.737−06	6.273−06	6.967−06	8.853−06	1.251−05	1.427−05	1.634−05
14	29	2.174−06	1.440−06	1.186−06	9.580−07	5.874−07	2.653−07	1.911−07	1.353−07
14	30	4.803−06	3.245−06	2.687−06	2.177−06	1.346−06	6.003−07	4.233−07	2.846−07

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
14	31	1.236−05	1.684−05	1.950−05	2.277−05	3.126−05	4.693−05	5.436−05	6.303−05
14	32	1.587−05	1.437−05	1.397−05	1.368−05	1.340−05	1.367−05	1.402−05	1.451−05
14	33	7.012−06	7.896−06	8.339−06	8.824−06	9.773−06	1.103−05	1.154−05	1.216−05
14	34	1.375−05	9.424−06	7.956−06	6.644−06	4.531−06	2.753−06	2.380−06	2.126−06
14	35	4.378−05	4.627−05	4.762−05	4.912−05	5.236−05	5.745−05	5.988−05	6.273−05
14	36	9.115−06	6.020−06	4.952−06	3.992−06	2.430−06	1.065−06	7.487−07	5.107−07
14	37	5.337−06	3.862−06	3.354−06	2.897−06	2.157−06	1.525−06	1.387−06	1.297−06
14	38	1.626−05	1.069−05	8.775−06	7.055−06	4.260−06	1.823−06	1.259−06	8.355−07
14	39	2.215−06	3.177−06	3.734−06	4.409−06	6.126−06	9.203−06	1.065−05	1.233−05
14	40	2.573−06	2.332−06	2.272−06	2.234−06	2.192−06	2.235−06	2.280−06	2.359−06
14	41	9.865−05	1.187−04	1.271−04	1.356−04	1.519−04	1.732−04	1.820−04	1.918−04
14	42	1.749−04	2.091−04	2.236−04	2.383−04	2.666−04	3.035−04	3.186−04	3.356−04
14	43	2.203−06	1.374−06	1.106−06	8.724−07	4.978−07	1.892−07	1.224−07	7.674−08
14	44	3.739−06	3.367−06	3.246−06	3.141−06	2.985−06	2.904−06	2.920−06	2.971−06
14	45	2.221−05	2.526−05	2.666−05	2.813−05	3.107−05	3.502−05	3.665−05	3.853−05
14	46	7.702−06	1.090−05	1.278−05	1.507−05	2.091−05	3.146−05	3.643−05	4.221−05
14	47	7.225−06	6.216−06	5.886−06	5.609−06	5.194−06	4.965−06	4.976−06	5.070−06
14	48	4.817−05	6.894−05	8.076−05	9.508−05	1.316−04	1.983−04	2.298−04	2.666−04
14	49	2.262−05	3.678−05	4.453−05	5.374−05	7.676−05	1.178−04	1.370−04	1.594−04
14	50	6.262−08	3.858−08	3.097−08	2.436−08	1.361−08	5.044−09	3.240−09	2.019−09
14	51	6.755−06	7.144−06	7.374−06	7.641−06	8.210−06	9.055−06	9.425−06	9.881−06
14	52	1.619−06	1.072−06	8.820−07	7.107−07	4.326−07	1.895−07	1.331−07	9.025−08
14	53	4.522−06	3.701−06	3.441−06	3.221−06	2.899−06	2.708−06	2.711−06	2.758−06
14	54	3.254−06	2.274−06	1.928−06	1.613−06	1.102−06	6.629−07	5.696−07	5.012−07
14	55	5.507−05	8.630−05	1.033−04	1.235−04	1.739−04	2.639−04	3.060−04	3.550−04
14	56	3.138−05	4.049−05	4.556−05	5.165−05	6.708−05	9.522−05	1.086−04	1.241−04
14	57	3.699−05	3.199−05	3.031−05	2.885−05	2.670−05	2.558−05	2.579−05	2.630−05
14	58	1.004−05	1.160−05	1.232−05	1.308−05	1.456−05	1.651−05	1.728−05	1.819−05
14	59	1.436−05	1.543−05	1.599−05	1.663−05	1.797−05	1.992−05	2.077−05	2.178−05
14	60	1.300−05	9.033−06	7.651−06	6.406−06	4.397−06	2.654−06	2.264−06	1.988−06
14	61	1.922−06	1.314−06	1.110−06	9.294−07	6.384−07	3.952−07	3.434−07	3.095−07
14	62	8.142−05	1.141−04	1.331−04	1.562−04	2.154−04	3.238−04	3.750−04	4.348−04
14	63	1.283−04	1.323−04	1.338−04	1.354−04	1.390−04	1.458−04	1.498−04	1.549−04
14	64	1.202−04	1.599−04	1.812−04	2.065−04	2.697−04	3.833−04	4.369−04	4.990−04
14	65	1.446−04	1.038−04	8.968−05	7.727−05	5.904−05	4.746−05	4.700−05	4.842−05
14	66	5.693−05	3.752−05	3.084−05	2.484−05	1.510−05	6.637−06	4.689−06	3.228−06
14	67	3.313−04	5.253−04	6.326−04	7.608−04	1.081−03	1.650−03	1.915−03	2.224−03
14	68	2.065−04	1.407−04	1.169−04	9.497−05	5.930−05	2.684−05	1.905−05	1.291−05
14	69	4.853−05	4.867−05	4.959−05	5.097−05	5.390−05	5.870−05	6.089−05	6.399−05
14	70	2.092−05	1.395−05	1.151−05	9.311−06	5.724−06	2.571−06	1.835−06	1.272−06
14	71	8.355−04	1.340−03	1.617−03	1.948−03	2.774−03	4.246−03	4.933−03	5.732−03
14	72	1.346−05	1.246−05	1.222−05	1.206−05	1.196−05	1.233−05	1.266−05	1.311−05
14	73	2.018−04	2.360−04	2.576−04	2.845−04	3.553−04	4.886−04	5.527−04	6.277−04
14	74	6.169−05	5.285−05	4.986−05	4.724−05	4.328−05	4.095−05	4.110−05	4.176−05
14	75	1.431−04	9.742−05	8.161−05	6.736−05	4.430−05	2.424−05	1.970−05	1.638−05
14	76	7.608−06	7.776−06	8.078−06	8.499−06	9.283−06	1.044−05	1.095−05	1.169−05
14	77	4.047−04	3.813−04	3.783−04	3.788−04	3.850−04	4.055−04	4.176−04	4.354−04
14	78	6.898−05	4.774−05	4.066−05	3.444−05	2.447−05	1.623−05	1.454−05	1.357−05
14	79	1.013−04	6.353−05	5.124−05	4.047−05	2.324−05	8.913−06	5.777−06	3.614−06
14	80	6.846−04	6.686−04	6.734−04	6.841−04	7.122−04	7.662−04	7.931−04	8.303−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
14	81	4.841−04	3.403−04	2.922−04	2.496−04	1.818−04	1.261−04	1.149−04	1.083−04
14	82	4.352−04	3.685−04	3.454−04	3.246−04	2.924−04	2.707−04	2.700−04	2.728−04
14	83	2.780−04	1.901−04	1.604−04	1.341−04	9.207−05	5.672−05	4.915−05	4.422−05
14	84	5.266−04	4.355−04	4.071−04	3.836−04	3.488−04	3.287−04	3.293−04	3.361−04
14	85	5.666−04	3.709−04	3.038−04	2.436−04	1.462−04	6.164−05	4.228−05	2.777−05
14	86	6.408−04	6.928−04	7.238−04	7.601−04	8.318−04	9.314−04	9.721−04	1.025−03
14	87	8.742−04	9.786−04	1.034−03	1.097−03	1.219−03	1.381−03	1.445−03	1.526−03
14	88	1.741−03	2.008−03	2.177−03	2.387−03	2.940−03	3.981−03	4.482−03	5.068−03
14	89	2.975−05	2.321−05	2.125−05	1.967−05	1.725−05	1.578−05	1.567−05	1.598−05
14	90	4.453−04	3.192−04	2.813−04	2.499−04	2.014−04	1.683−04	1.639−04	1.650−04
14	91	1.188−03	1.268−03	1.338−03	1.435−03	1.712−03	2.269−03	2.544−03	2.870−03
14	92	6.845−04	4.321−04	3.498−04	2.776−04	1.621−04	6.566−05	4.454−05	3.001−05
14	93	1.216−02	1.263−02	1.282−02	1.300−02	1.340−02	1.413−02	1.454−02	1.505−02
14	94	5.242−05	3.668−05	3.180−05	2.777−05	2.237−05	2.065−05	2.162−05	2.343−05
14	95	7.574−04	6.136−04	5.740−04	5.442−04	5.011−04	4.856−04	4.904−04	5.061−04
14	96	4.929−04	3.163−04	2.598−04	2.108−04	1.329−04	6.992−05	5.669−05	4.857−05
14	97	1.983−03	2.191−03	2.338−03	2.531−03	3.059−03	4.094−03	4.604−03	5.198−03
14	98	8.635−04	5.451−04	4.408−04	3.491−04	2.021−04	7.837−05	5.094−05	3.181−05
14	99	7.268−04	4.931−04	4.176−04	3.520−04	2.477−04	1.644−04	1.477−04	1.386−04
14	100	1.785−03	1.983−03	2.124−03	2.307−03	2.807−03	3.776−03	4.249−03	4.805−03
14	101	6.396−04	5.809−04	5.793−04	5.922−04	6.641−04	8.623−04	9.714−04	1.103−03
14	102	9.818−04	1.081−03	1.139−03	1.206−03	1.329−03	1.502−03	1.566−03	1.654−03
14	103	8.842−04	9.612−04	1.007−03	1.062−03	1.163−03	1.307−03	1.362−03	1.436−03
14	104	1.826−02	2.413−02	2.723−02	3.089−02	3.995−02	5.615−02	6.380−02	7.263−02
14	105	3.507−02	4.536−02	5.079−02	5.716−02	7.294−02	1.011−01	1.145−01	1.298−01
14	106	3.848−05	2.941−05	2.640−05	2.377−05	1.967−05	1.653−05	1.605−05	1.595−05
14	107	2.810−03	3.100−03	3.256−03	3.439−03	3.900−03	4.723−03	5.119−03	5.568−03
14	108	3.368−05	2.847−05	2.709−05	2.612−05	2.495−05	2.497−05	2.544−05	2.639−05
14	109	1.717−05	1.931−05	2.044−05	2.170−05	2.416−05	2.742−05	2.870−05	3.031−05
14	110	2.291−05	1.501−05	1.230−05	9.866−06	5.923−06	2.502−06	1.718−06	1.129−06
14	111	1.923−03	1.996−03	2.024−03	2.053−03	2.116−03	2.232−03	2.297−03	2.378−03
14	112	5.999−05	5.326−05	5.180−05	5.104−05	5.056−05	5.228−05	5.365−05	5.597−05
14	113	9.788−03	1.001−02	1.010−02	1.020−02	1.045−02	1.096−02	1.127−02	1.166−02
14	114	1.821−05	1.947−05	2.033−05	2.139−05	2.335−05	2.621−05	2.731−05	2.882−05
14	115	3.930−05	2.485−05	2.011−05	1.593−05	9.239−06	3.594−06	2.340−06	1.462−06
14	116	1.287−03	1.640−03	1.829−03	2.054−03	2.615−03	3.626−03	4.103−03	4.657−03
14	117	9.193−05	6.007−05	4.950−05	4.018−05	2.523−05	1.270−05	9.958−06	8.090−06
14	118	1.582−03	2.029−03	2.264−03	2.540−03	3.224−03	4.445−03	5.022−03	5.688−03
14	119	2.626−05	1.821−05	1.580−05	1.380−05	1.071−05	8.544−06	8.208−06	8.205−06
14	120	1.652−03	1.503−03	1.474−03	1.462−03	1.462−03	1.523−03	1.564−03	1.631−03
14	121	3.223−04	3.853−04	4.198−04	4.611−04	5.657−04	7.565−04	8.479−04	9.533−04
14	122	2.711−03	3.474−03	3.880−03	4.358−03	5.549−03	7.685−03	8.695−03	9.863−03
14	123	9.118−05	7.017−05	6.398−05	5.901−05	5.147−05	4.707−05	4.684−05	4.784−05
14	124	3.390−02	4.342−02	4.851−02	5.453−02	6.952−02	9.647−02	1.092−01	1.239−01
14	125	2.621−03	2.121−03	1.980−03	1.871−03	1.712−03	1.645−03	1.657−03	1.706−03
15	16	4.743−08	5.779−08	6.378−08	7.106−08	8.972−08	1.239−07	1.402−07	1.591−07
15	17	2.427−08	2.113−08	2.038−08	1.989−08	1.917−08	1.944−08	2.006−08	2.107−08
15	18	9.214−07	9.478−07	9.611−07	9.777−07	1.039−06	1.190−06	1.283−06	1.375−06
15	19	5.650−08	3.757−08	3.118−08	2.549−08	1.633−08	8.571−09	6.863−09	5.657−09
15	20	1.201−06	1.161−06	1.153−06	1.148−06	1.154−06	1.201−06	1.237−06	1.282−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
15	21	2.065−07	1.935−07	1.922−07	1.934−07	2.007−07	2.237−07	2.366−07	2.532−07
15	22	9.337−07	1.094−06	1.186−06	1.297−06	1.580−06	2.098−06	2.345−06	2.632−06
15	23	1.691−07	1.296−07	1.172−07	1.066−07	9.031−08	7.904−08	7.778−08	7.832−08
15	24	1.843−07	2.431−07	2.790−07	3.234−07	4.397−07	6.548−07	7.573−07	8.770−07
15	25	1.295−06	1.277−06	1.288−06	1.312−06	1.398−06	1.603−06	1.711−06	1.841−06
15	26	5.796−07	5.824−07	5.906−07	6.032−07	6.414−07	7.203−07	7.612−07	8.083−07
15	27	1.326−06	1.857−06	2.153−06	2.508−06	3.404−06	5.023−06	5.785−06	6.672−06
15	28	2.418−07	1.966−07	1.835−07	1.733−07	1.621−07	1.623−07	1.672−07	1.744−07
15	29	4.668−06	3.044−06	2.497−06	2.008−06	1.206−06	5.201−07	3.651−07	2.503−07
15	30	9.305−07	7.139−07	6.515−07	6.051−07	5.670−07	6.289−07	6.874−07	7.671−07
15	31	6.535−07	5.464−07	5.120−07	4.831−07	4.437−07	4.255−07	4.297−07	4.397−07
15	32	2.766−07	2.408−07	2.314−07	2.248−07	2.201−07	2.358−07	2.507−07	2.672−07
15	33	4.367−05	4.737−05	4.900−05	5.070−05	5.425−05	5.961−05	6.213−05	6.506−05
15	34	1.084−06	9.313−07	8.864−07	8.501−07	8.010−07	7.890−07	8.043−07	8.297−07
15	35	2.350−06	2.685−06	2.835−06	2.987−06	3.285−06	3.696−06	3.879−06	4.086−06
15	36	5.367−06	5.749−06	5.919−06	6.095−06	6.428−06	6.867−06	7.048−06	7.293−06
15	37	9.105−07	9.437−07	9.650−07	9.897−07	1.047−06	1.140−06	1.185−06	1.240−06
15	38	2.628−06	2.131−06	1.974−06	1.841−06	1.645−06	1.529−06	1.529−06	1.556−06
15	39	9.295−06	8.445−06	8.223−06	8.075−06	7.998−06	8.350−06	8.640−06	9.013−06
15	40	3.290−05	4.477−05	5.138−05	5.932−05	7.931−05	1.155−04	1.325−04	1.523−04
15	41	3.934−06	4.086−06	4.183−06	4.296−06	4.549−06	4.948−06	5.132−06	5.361−06
15	42	1.119−06	9.704−07	9.277−07	8.945−07	8.514−07	8.433−07	8.560−07	8.812−07
15	43	8.116−06	5.389−06	4.437−06	3.577−06	2.180−06	9.493−07	6.623−07	4.431−07
15	44	2.897−06	1.870−06	1.528−06	1.225−06	7.358−07	3.227−07	2.310−07	1.659−07
15	45	1.815−05	1.860−05	1.897−05	1.943−05	2.052−05	2.240−05	2.332−05	2.444−05
15	46	1.112−05	1.214−05	1.306−05	1.431−05	1.788−05	2.490−05	2.833−05	3.237−05
15	47	1.853−05	2.576−05	2.988−05	3.488−05	4.754−05	7.028−05	8.094−05	9.337−05
15	48	1.328−05	2.045−05	2.430−05	2.886−05	4.020−05	6.045−05	6.993−05	8.094−05
15	49	6.076−05	9.566−05	1.145−04	1.369−04	1.926−04	2.920−04	3.385−04	3.925−04
15	50	1.630−05	1.061−05	8.673−06	6.946−06	4.147−06	1.735−06	1.185−06	7.791−07
15	51	1.926−05	1.666−05	1.589−05	1.527−05	1.441−05	1.421−05	1.450−05	1.499−05
15	52	1.784−05	1.340−05	1.192−05	1.061−05	8.548−06	6.965−06	6.722−06	6.632−06
15	53	1.428−05	1.166−05	1.078−05	9.998−06	8.781−06	7.908−06	7.824−06	7.866−06
15	54	4.005−06	2.674−06	2.220−06	1.812−06	1.152−06	5.852−07	4.582−07	3.657−07
15	55	1.826−05	2.604−05	3.056−05	3.607−05	5.021−05	7.592−05	8.806−05	1.022−04
15	56	1.668−05	1.642−05	1.679−05	1.745−05	1.967−05	2.443−05	2.687−05	2.975−05
15	57	6.008−07	4.964−07	4.649−07	4.391−07	4.025−07	3.843−07	3.869−07	3.961−07
15	58	5.116−05	5.619−05	5.859−05	6.112−05	6.621−05	7.365−05	7.707−05	8.103−05
15	59	1.674−04	1.785−04	1.832−04	1.880−04	1.979−04	2.133−04	2.209−04	2.300−04
15	60	3.748−05	4.513−05	4.966−05	5.522−05	6.949−05	9.600−05	1.087−04	1.235−04
15	61	1.841−04	2.202−04	2.355−04	2.510−04	2.810−04	3.200−04	3.357−04	3.535−04
15	62	1.219−04	1.729−04	2.003−04	2.327−04	3.134−04	4.577−04	5.254−04	6.040−04
15	63	3.986−05	4.665−05	4.961−05	5.266−05	5.863−05	6.650−05	6.971−05	7.337−05
15	64	2.376−05	2.411−05	2.452−05	2.512−05	2.700−05	3.090−05	3.294−05	3.529−05
15	65	2.593−05	2.104−05	1.944−05	1.812−05	1.650−05	1.643−05	1.708−05	1.809−05
15	66	2.510−06	2.167−06	2.072−06	2.000−06	1.901−06	1.863−06	1.873−06	1.917−06
15	67	2.891−05	3.630−05	4.055−05	4.573−05	5.906−05	8.375−05	9.556−05	1.093−04
15	68	5.107−05	4.728−05	4.735−05	4.859−05	5.505−05	7.224−05	8.163−05	9.304−05
15	69	2.065−05	1.753−05	1.665−05	1.597−05	1.496−05	1.468−05	1.501−05	1.562−05
15	70	5.353−05	5.472−05	5.572−05	5.696−05	5.986−05	6.501−05	6.766−05	7.086−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
15	71	2.243−05	2.477−05	2.640−05	2.848−05	3.410−05	4.435−05	4.925−05	5.490−05
15	72	1.406−04	1.481−04	1.514−04	1.547−04	1.615−04	1.726−04	1.782−04	1.850−04
15	73	9.827−06	1.211−05	1.335−05	1.483−05	1.853−05	2.523−05	2.840−05	3.208−05
15	74	4.151−05	4.522−05	4.708−05	4.910−05	5.329−05	5.928−05	6.186−05	6.491−05
15	75	3.020−05	3.108−05	3.182−05	3.275−05	3.482−05	3.807−05	3.954−05	4.142−05
15	76	5.141−05	5.838−05	6.148−05	6.468−05	7.101−05	7.972−05	8.345−05	8.771−05
15	77	5.147−05	4.869−05	4.817−05	4.797−05	4.824−05	5.012−05	5.140−05	5.325−05
15	78	7.520−05	7.480−05	7.502−05	7.546−05	7.694−05	8.066−05	8.292−05	8.587−05
15	79	2.597−06	1.745−06	1.471−06	1.234−06	8.627−07	5.769−07	5.252−07	5.015−07
15	80	7.148−05	5.984−05	5.649−05	5.389−05	5.024−05	4.880−05	4.931−05	5.078−05
15	81	4.228−05	3.447−05	3.212−05	3.023−05	2.752−05	2.611−05	2.624−05	2.687−05
15	82	1.174−05	7.552−06	6.148−06	4.905−06	2.925−06	1.242−06	8.647−07	5.978−07
15	83	1.838−04	1.806−04	1.799−04	1.794−04	1.800−04	1.853−04	1.896−04	1.955−04
15	84	6.456−05	5.008−05	4.524−05	4.098−05	3.437−05	2.949−05	2.887−05	2.881−05
15	85	8.589−05	6.091−05	5.261−05	4.531−05	3.379−05	2.454−05	2.275−05	2.177−05
15	86	1.584−04	1.466−04	1.434−04	1.411−04	1.387−04	1.406−04	1.433−04	1.479−04
15	87	1.697−04	1.172−04	9.917−05	8.304−05	5.695−05	3.470−05	2.984−05	2.651−05
15	88	3.390−04	3.632−04	3.782−04	3.968−04	4.460−04	5.376−04	5.824−04	6.340−04
15	89	1.295−03	1.393−03	1.491−03	1.632−03	2.052−03	2.911−03	3.339−03	3.847−03
15	90	7.705−05	6.934−05	6.869−05	6.957−05	7.598−05	9.473−05	1.052−04	1.179−04
15	91	1.189−04	1.433−04	1.570−04	1.736−04	2.155−04	2.920−04	3.284−04	3.706−04
15	92	5.951−05	3.741−05	3.036−05	2.424−05	1.450−05	6.573−06	4.890−06	3.814−06
15	93	8.657−05	8.259−05	8.237−05	8.291−05	8.495−05	9.006−05	9.287−05	9.699−05
15	94	2.624−03	4.096−03	4.914−03	5.894−03	8.355−03	1.276−02	1.482−02	1.722−02
15	95	8.191−05	6.309−05	5.755−05	5.310−05	4.633−05	4.238−05	4.218−05	4.308−05
15	96	3.356−04	3.954−04	4.338−04	4.823−04	6.111−04	8.564−04	9.752−04	1.114−03
15	97	5.886−04	8.305−04	9.660−04	1.129−03	1.541−03	2.287−03	2.639−03	3.049−03
15	98	1.107−04	6.960−05	5.645−05	4.502−05	2.683−05	1.197−05	8.810−06	6.765−06
15	99	4.433−04	5.026−04	5.438−04	5.970−04	7.404−04	1.017−03	1.151−03	1.309−03
15	100	6.989−05	5.195−05	4.679−05	4.277−05	3.798−05	3.839−05	4.051−05	4.385−05
15	101	3.448−05	2.891−05	2.808−05	2.811−05	3.074−05	3.966−05	4.476−05	5.106−05
15	102	1.823−04	1.168−04	9.525−05	7.625−05	4.576−05	2.021−05	1.459−05	1.069−05
15	103	1.010−04	8.627−05	8.231−05	7.950−05	7.696−05	8.006−05	8.325−05	8.775−05
15	104	2.719−04	2.648−04	2.654−04	2.681−04	2.807−04	3.112−04	3.282−04	3.476−04
15	105	5.126−04	6.676−04	7.511−04	8.501−04	1.096−03	1.538−03	1.747−03	1.989−03
15	106	1.639−03	1.337−03	1.243−03	1.166−03	1.052−03	9.840−04	9.845−04	1.004−03
15	107	1.317−03	1.891−03	2.215−03	2.606−03	3.598−03	5.402−03	6.254−03	7.247−03
15	108	3.116−03	3.137−03	3.196−03	3.280−03	3.470−03	3.782−03	3.925−03	4.118−03
15	109	2.477−03	2.085−03	1.972−03	1.884−03	1.762−03	1.717−03	1.736−03	1.787−03
15	110	2.599−03	2.045−03	1.873−03	1.730−03	1.516−03	1.378−03	1.370−03	1.392−03
15	111	8.872−04	7.362−04	6.904−04	6.533−04	5.995−04	5.713−04	5.742−04	5.881−04
15	112	3.234−02	3.367−02	3.422−02	3.478−02	3.598−02	3.808−02	3.923−02	4.066−02
15	113	8.325−04	7.472−04	7.279−04	7.168−04	7.086−04	7.293−04	7.473−04	7.772−04
15	114	3.516−03	2.384−03	2.020−03	1.704−03	1.203−03	8.041−04	7.243−04	6.822−04
15	115	3.300−03	2.375−03	2.090−03	1.853−03	1.483−03	1.221−03	1.181−03	1.182−03
15	116	2.589−03	2.000−03	1.829−03	1.695−03	1.530−03	1.536−03	1.604−03	1.714−03
15	117	4.537−03	4.045−03	3.978−03	3.994−03	4.274−03	5.207−03	5.744−03	6.402−03
15	118	1.241−03	9.463−04	8.615−04	7.967−04	7.301−04	7.745−04	8.327−04	9.128−04
15	119	3.484−03	3.280−03	3.270−03	3.300−03	3.382−03	3.612−03	3.726−03	3.903−03
15	120	1.727−02	1.761−02	1.777−02	1.793−02	1.834−02	1.922−02	1.974−02	2.042−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
15	121	1.507−02	1.889−02	2.095−02	2.339−02	2.949−02	4.048−02	4.568−02	5.170−02
15	122	4.914−02	6.269−02	6.989−02	7.838−02	9.947−02	1.373−01	1.552−01	1.758−01
15	123	7.451−02	9.619−02	1.076−01	1.211−01	1.543−01	2.135−01	2.414−01	2.737−01
15	124	1.285−02	1.584−02	1.749−02	1.947−02	2.444−02	3.345−02	3.774−02	4.270−02
15	125	5.173−02	6.597−02	7.360−02	8.262−02	1.051−01	1.456−01	1.647−01	1.869−01
16	17	6.877−01	7.974−01	8.381−01	8.803−01	9.763−01	1.115+00	1.181+00	1.259+00
16	18	1.070+00	1.273+00	1.357+00	1.441+00	1.627+00	1.890+00	2.018+00	2.164+00
16	19	1.127−02	1.307−02	1.382−02	1.459−02	1.633−02	1.881−02	2.008−02	2.152−02
16	20	1.198−01	1.429−01	1.526−01	1.624−01	1.841−01	2.144−01	2.295−01	2.466−01
16	21	3.859−02	3.758−02	3.741−02	3.738−02	3.793−02	3.906−02	4.002−02	4.139−02
16	22	5.864−02	5.719−02	5.695−02	5.694−02	5.781−02	5.954−02	6.101−02	6.310−02
16	23	2.216−03	2.282−03	2.314−03	2.339−03	2.448−03	2.509−03	2.636−03	2.759−03
16	24	5.501−06	3.726−06	3.080−06	2.491−06	1.560−06	6.987−07	5.107−07	3.656−07
16	25	1.450−04	1.391−04	1.375−04	1.366−04	1.371−04	1.398−04	1.428−04	1.473−04
16	26	1.504−05	1.326−05	1.266−05	1.217−05	1.166−05	1.125−05	1.137−05	1.166−05
16	27	2.514−05	2.214−05	2.132−05	2.080−05	2.087−05	2.317−05	2.464−05	2.622−05
16	28	2.329−06	1.979−06	1.944−06	1.964−06	2.201−06	2.936−06	3.350−06	3.741−06
16	29	2.476−03	1.714−03	1.432−03	1.171−03	7.427−04	3.464−04	2.494−04	1.716−04
16	30	2.464−05	1.948−05	1.744−05	1.561−05	1.285−05	1.068−05	1.012−05	9.825−06
16	31	4.543−05	4.228−05	4.134−05	4.066−05	4.045−05	4.056−05	4.139−05	4.271−05
16	32	6.305−04	7.371−04	7.844−04	8.337−04	9.456−04	1.109−03	1.192−03	1.285−03
16	33	2.350−02	2.744−02	2.919−02	3.104−02	3.521−02	4.142−02	4.450−02	4.801−02
16	34	1.229−05	1.049−05	9.758−06	9.157−06	8.829−06	7.821−06	7.837−06	8.021−06
16	35	4.312−05	2.963−05	2.476−05	2.029−05	1.297−05	6.301−06	4.712−06	3.469−06
16	36	6.941−04	8.285−04	8.875−04	9.485−04	1.084−03	1.278−03	1.374−03	1.483−03
16	37	1.240−05	1.437−05	1.525−05	1.615−05	1.829−05	2.135−05	2.301−05	2.482−05
16	38	3.228−05	3.013−05	2.893−05	2.807−05	2.912−05	2.731−05	2.781−05	2.882−05
16	39	1.098−05	7.835−06	6.712−06	5.709−06	4.186−06	2.777−06	2.484−06	2.295−06
16	40	3.681−05	3.095−05	2.819−05	2.583−05	2.367−05	2.033−05	1.989−05	1.994−05
16	41	1.230−02	1.472−02	1.578−02	1.685−02	1.925−02	2.249−02	2.418−02	2.604−02
16	42	7.742−06	4.920−06	4.015−06	3.210−06	1.866−06	7.974−07	5.604−07	3.893−07
16	43	1.058−05	7.155−06	5.925−06	4.802−06	2.976−06	1.329−06	9.349−07	6.262−07
16	44	1.411−01	1.690−01	1.813−01	1.938−01	2.220−01	2.610−01	2.808−01	3.030−01
16	45	2.435−01	2.915−01	3.126−01	3.342−01	3.826−01	4.493−01	4.835−01	5.216−01
16	46	3.879−06	3.120−06	2.850−06	2.607−06	2.234−06	1.910−06	1.862−06	1.848−06
16	47	2.638−05	2.359−05	2.230−05	2.126−05	2.073−05	1.944−05	1.955−05	2.000−05
16	48	1.338−04	1.216−04	1.167−04	1.123−04	1.026−04	1.054−04	1.055−04	1.066−04
16	49	3.164−05	2.836−05	2.705−05	2.588−05	2.338−05	2.400−05	2.395−05	2.419−05
16	50	3.578−07	2.071−07	1.636−07	1.262−07	6.351−08	2.062−08	1.235−08	7.367−09
16	51	1.676−06	1.162−06	9.799−07	8.157−07	5.560−07	3.145−07	2.618−07	2.239−07
16	52	1.356−06	1.252−06	1.200−06	1.162−06	1.197−06	1.123−06	1.143−06	1.184−06
16	53	5.058−06	4.766−06	4.701−06	4.652−06	4.703−06	4.862−06	5.101−06	5.375−06
16	54	2.325−05	2.701−05	2.873−05	3.051−05	3.461−05	4.037−05	4.341−05	4.681−05
16	55	1.467−05	1.105−05	9.979−06	9.140−06	8.437−06	8.656−06	9.373−06	1.014−05
16	56	5.837−05	5.108−05	4.681−05	4.312−05	4.017−05	3.504−05	3.420−05	3.417−05
16	57	1.130−04	1.352−04	1.453−04	1.557−04	1.793−04	2.136−04	2.305−04	2.496−04
16	58	2.701−06	1.815−06	1.506−06	1.226−06	7.673−07	3.619−07	2.680−07	1.964−07
16	59	1.597−03	1.911−03	2.052−03	2.200−03	2.533−03	3.014−03	3.252−03	3.521−03
16	60	2.383−05	2.096−05	1.979−05	1.879−05	1.761−05	1.681−05	1.682−05	1.709−05
16	61	3.982−06	3.830−06	3.705−06	3.622−06	3.814−06	3.606−06	3.677−06	3.813−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
16	62	1.451−05	9.615−06	8.054−06	6.690−06	4.508−06	2.825−06	2.487−06	2.284−06
16	63	8.046−04	9.629−04	1.034−03	1.109−03	1.279−03	1.527−03	1.648−03	1.786−03
16	64	4.646−05	4.306−05	4.177−05	4.065−05	4.113−05	4.664−05	5.107−05	5.478−05
16	65	7.221−05	5.192−05	4.433−05	3.764−05	2.845−05	1.911−05	1.721−05	1.611−05
16	66	1.424−04	1.678−04	1.796−04	1.926−04	2.218−04	2.685−04	2.893−04	3.133−04
16	67	2.795−05	1.997−05	1.725−05	1.484−05	1.114−05	8.306−06	7.880−06	7.656−06
16	68	5.710−04	5.088−04	4.705−04	4.379−04	4.207−04	3.730−04	3.681−04	3.716−04
16	69	4.448−05	4.115−05	3.956−05	3.837−05	3.933−05	3.729−05	3.795−05	3.928−05
16	70	7.304−05	6.776−05	6.517−05	6.326−05	6.492−05	6.159−05	6.270−05	6.489−05
16	71	4.012−04	3.595−04	3.328−04	3.099−04	2.990−04	2.653−04	2.618−04	2.644−04
16	72	6.075−05	7.034−05	7.504−05	8.029−05	9.221−05	1.118−04	1.206−04	1.307−04
16	73	2.158−06	2.082−06	2.024−06	1.972−06	1.927−06	1.899−06	1.905−06	1.936−06
16	74	3.553−05	4.073−05	4.324−05	4.598−05	5.215−05	6.256−05	6.766−05	7.345−05
16	75	1.554−06	1.594−06	1.634−06	1.689−06	1.840−06	2.137−06	2.282−06	2.455−06
16	76	7.887−06	6.202−06	5.685−06	5.272−06	4.876−06	4.371−06	4.403−06	4.537−06
16	77	6.847−05	7.974−05	8.507−05	9.090−05	1.040−04	1.254−04	1.354−04	1.468−04
16	78	8.361−06	7.852−06	7.810−06	7.818−06	8.019−06	8.988−06	9.767−06	1.063−05
16	79	5.755−06	4.975−06	4.473−06	4.026−06	3.645−06	2.982−06	2.836−06	2.774−06
16	80	2.577−06	2.338−06	2.234−06	2.155−06	2.178−06	2.052−06	2.084−06	2.153−06
16	81	4.244−07	2.992−07	2.526−07	2.094−07	1.389−07	7.249−08	5.655−08	4.396−08
16	82	3.627−05	4.217−05	4.495−05	4.801−05	5.495−05	6.616−05	7.126−05	7.713−05
16	83	2.541−07	2.393−07	2.344−07	2.294−07	2.225−07	2.292−07	2.440−07	2.601−07
16	84	6.631−05	7.744−05	8.270−05	8.851−05	1.017−04	1.229−04	1.325−04	1.436−04
16	85	1.301−06	1.166−06	1.111−06	1.069−06	1.075−06	1.013−06	1.029−06	1.064−06
16	86	9.099−05	1.058−04	1.128−04	1.205−04	1.381−04	1.664−04	1.793−04	1.942−04
16	87	6.215−07	5.235−07	4.861−07	4.547−07	4.283−07	3.816−07	3.812−07	3.885−07
16	88	3.579−06	3.189−06	2.941−06	2.728−06	2.610−06	2.298−06	2.260−06	2.275−06
16	89	3.415−04	3.075−04	2.854−04	2.666−04	2.583−04	2.307−04	2.282−04	2.307−04
16	90	7.497−07	7.006−07	6.679−07	6.407−07	6.337−07	6.029−07	6.056−07	6.182−07
16	91	3.771−08	3.890−08	3.861−08	3.744−08	3.679−08	3.515−08	3.764−08	3.852−08
16	92	1.012−08	7.266−09	6.263−09	5.433−09	4.635−09	3.383−09	3.260−09	3.288−09
16	93	1.791−05	2.084−05	2.223−05	2.377−05	2.727−05	3.296−05	3.555−05	3.853−05
16	94	1.629−04	1.454−04	1.344−04	1.251−04	1.204−04	1.067−04	1.053−04	1.063−04
16	95	6.055−08	4.076−08	3.449−08	2.934−08	2.335−08	1.641−08	1.572−08	1.587−08
16	96	1.482−06	1.190−06	1.045−06	9.160−07	7.854−07	5.929−07	5.523−07	5.325−07
16	97	1.476−05	1.354−05	1.273−05	1.205−05	1.182−05	1.090−05	1.087−05	1.105−05
16	98	1.342−07	1.031−07	9.106−08	8.138−08	7.638−08	6.017−08	5.940−08	6.098−08
16	99	3.574−06	3.211−06	2.975−06	2.771−06	2.628−06	2.353−06	2.313−06	2.322−06
16	100	2.262−07	1.669−07	1.439−07	1.231−07	9.159−08	6.531−08	5.862−08	5.407−08
16	101	3.720−06	3.503−06	3.404−06	3.302−06	3.185−06	3.190−06	3.281−06	3.364−06
16	102	6.247−08	4.072−08	3.406−08	2.855−08	2.149−08	1.442−08	1.361−08	1.362−08
16	103	1.458−05	1.386−05	1.334−05	1.292−05	1.296−05	1.252−05	1.265−05	1.296−05
16	104	2.892−05	2.764−05	2.701−05	2.635−05	2.565−05	2.596−05	2.680−05	2.757−05
16	105	3.205−07	3.009−07	2.942−07	2.891−07	2.863−07	2.872−07	2.923−07	3.006−07
16	106	3.562−05	4.131−05	4.403−05	4.705−05	5.396−05	6.521−05	7.035−05	7.626−05
16	107	1.505−04	1.441−04	1.410−04	1.379−04	1.348−04	1.374−04	1.421−04	1.465−04
16	108	1.492−07	1.183−07	1.072−07	9.752−08	8.573−08	7.195−08	7.051−08	7.073−08
16	109	2.109−07	1.539−07	1.330−07	1.139−07	8.430−08	5.546−08	4.933−08	4.508−08
16	110	2.248−07	1.974−07	1.871−07	1.792−07	1.777−07	1.671−07	1.696−07	1.752−07
16	111	3.467−05	4.018−05	4.282−05	4.574−05	5.243−05	6.334−05	6.833−05	7.407−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
16	112	2.012−05	2.354−05	2.519−05	2.703−05	3.124−05	3.813−05	4.125−05	4.485−05
16	113	5.606−06	6.633−06	7.130−06	7.685−06	8.964−06	1.106−05	1.200−05	1.310−05
16	114	1.470−08	8.882−09	7.234−09	5.866−09	3.783−09	2.221−09	2.008−09	1.963−09
16	115	6.610−08	5.017−08	4.421−08	3.941−08	3.636−08	2.866−08	2.825−08	2.894−08
16	116	6.909−07	6.823−07	6.728−07	6.666−07	6.800−07	6.867−07	7.002−07	7.218−07
16	117	5.314−07	5.233−07	5.154−07	5.098−07	5.173−07	5.222−07	5.318−07	5.475−07
16	118	1.292−07	1.178−07	1.135−07	1.095−07	1.049−07	1.060−07	1.100−07	1.138−07
16	119	2.826−08	2.053−08	1.786−08	1.570−08	1.385−08	1.064−08	1.043−08	1.066−08
16	120	4.775−06	5.745−06	6.213−06	6.737−06	7.944−06	9.927−06	1.082−05	1.187−05
16	121	1.234−06	1.199−06	1.179−06	1.157−06	1.142−06	1.182−06	1.237−06	1.285−06
16	122	7.497−07	7.237−07	7.088−07	6.983−07	7.100−07	7.087−07	7.224−07	7.453−07
16	123	7.740−07	7.684−07	7.634−07	7.624−07	7.905−07	8.047−07	8.251−07	8.551−07
16	124	2.540−07	2.472−07	2.396−07	2.317−07	2.158−07	2.144−07	2.124−07	2.122−07
16	125	7.606−07	7.675−07	7.667−07	7.669−07	7.743−07	7.991−07	8.145−07	8.370−07
17	18	5.510−02	5.245−02	5.195−02	5.170−02	5.201−02	5.340−02	5.476−02	5.667−02
17	19	9.538−05	7.080−05	6.307−05	5.689−05	5.166−05	4.746−05	4.988−05	5.291−05
17	20	1.992−03	1.889−03	1.866−03	1.852−03	1.851−03	1.891−03	1.935−03	1.999−03
17	21	7.491−01	8.913−01	9.490−01	1.008+00	1.135+00	1.316+00	1.404+00	1.504+00
17	22	1.490−02	1.316−02	1.239−02	1.181−02	1.195−02	1.084−02	1.100−02	1.138−02
17	23	6.029−05	5.724−05	5.663−05	5.615−05	5.445−05	6.493−05	6.932−05	7.332−05
17	24	1.915−02	2.243−02	2.379−02	2.518−02	2.829−02	3.268−02	3.490−02	3.741−02
17	25	7.220−02	8.587−02	9.156−02	9.730−02	1.100−01	1.273−01	1.362−01	1.461−01
17	26	3.365−02	4.025−02	4.303−02	4.589−02	5.218−02	6.118−02	6.557−02	7.056−02
17	27	5.482−03	6.235−03	6.557−03	6.875−03	7.626−03	8.580−03	9.145−03	9.763−03
17	28	7.858−03	9.405−03	1.006−02	1.074−02	1.223−02	1.439−02	1.544−02	1.663−02
17	29	7.822−05	5.702−05	4.842−05	4.078−05	3.062−05	1.924−05	1.673−05	1.514−05
17	30	1.870−04	1.295−04	1.094−04	9.132−05	6.309−05	3.690−05	3.138−05	2.754−05
17	31	2.723−02	3.263−02	3.493−02	3.729−02	4.250−02	4.993−02	5.358−02	5.770−02
17	32	2.976−04	2.798−04	2.753−04	2.724−04	2.727−04	2.769−04	2.833−04	2.927−04
17	33	5.864−04	5.497−04	5.260−04	5.057−04	4.923−04	4.669−04	4.665−04	4.735−04
17	34	2.151−04	2.015−04	1.980−04	1.957−04	1.953−04	1.982−04	2.027−04	2.094−04
17	35	5.149−04	5.019−04	4.994−04	4.989−04	5.060−04	5.204−04	5.330−04	5.510−04
17	36	2.655−05	2.081−05	1.909−05	1.768−05	1.595−05	1.451−05	1.458−05	1.494−05
17	37	1.664−05	1.418−05	1.353−05	1.301−05	1.226−05	1.231−05	1.258−05	1.300−05
17	38	1.462−05	9.511−06	7.884−06	6.530−06	4.830−06	2.979−06	2.745−06	2.703−06
17	39	2.091−03	1.708−03	1.573−03	1.452−03	1.281−03	1.174−03	1.184−03	1.215−03
17	40	2.257−03	1.563−03	1.307−03	1.069−03	6.788−04	3.175−04	2.290−04	1.581−04
17	41	6.887−04	6.909−04	6.931−04	6.973−04	7.162−04	7.421−04	7.612−04	7.876−04
17	42	6.848−04	6.867−04	6.888−04	6.929−04	7.114−04	7.371−04	7.560−04	7.822−04
17	43	1.688−08	1.515−08	1.440−08	1.384−08	1.404−08	1.303−08	1.323−08	1.369−08
17	44	3.806−05	2.751−05	2.435−05	2.176−05	1.848−05	1.845−05	1.968−05	2.102−05
17	45	1.860−04	1.602−04	1.516−04	1.442−04	1.343−04	1.271−04	1.276−04	1.300−04
17	46	1.797−03	2.145−03	2.297−03	2.452−03	2.799−03	3.281−03	3.525−03	3.799−03
17	47	7.441−05	5.155−05	4.309−05	3.527−05	2.239−05	1.047−05	7.547−06	5.202−06
17	48	2.280−03	2.734−03	2.933−03	3.138−03	3.595−03	4.239−03	4.562−03	4.924−03
17	49	2.527−04	2.968−04	3.164−04	3.367−04	3.827−04	4.489−04	4.824−04	5.203−04
17	50	1.558−08	1.044−08	8.785−09	7.433−09	5.922−09	4.025−09	3.838−09	3.874−09
17	51	7.933−06	6.918−06	6.585−06	6.304−06	5.947−06	5.703−06	5.747−06	5.869−06
17	52	2.862−06	1.910−06	1.577−06	1.277−06	8.002−07	3.694−07	2.715−07	1.988−07
17	53	2.187−06	1.665−06	1.480−06	1.314−06	1.060−06	8.325−07	7.914−07	7.699−07

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
17	54	8.346−07	6.110−07	5.309−07	4.583−07	3.498−07	2.404−07	2.228−07	2.121−07
17	55	1.415−01	1.695−01	1.818−01	1.944−01	2.227−01	2.619−01	2.819−01	3.042−01
17	56	2.352−01	2.815−01	3.018−01	3.225−01	3.690−01	4.328−01	4.656−01	5.021−01
17	57	1.850−04	1.679−04	1.611−04	1.549−04	1.413−04	1.458−04	1.460−04	1.477−04
17	58	2.415−06	2.118−06	2.032−06	1.965−06	1.901−06	1.867−06	1.899−06	1.958−06
17	59	1.218−05	1.209−05	1.207−05	1.210−05	1.244−05	1.279−05	1.312−05	1.359−05
17	60	1.693−05	1.187−05	1.026−05	8.897−06	6.992−06	5.208−06	4.972−06	4.925−06
17	61	3.021−06	1.935−06	1.576−06	1.257−06	7.374−07	3.051−07	2.086−07	1.385−07
17	62	1.548−04	1.756−04	1.843−04	1.919−04	2.103−04	2.242−04	2.372−04	2.497−04
17	63	4.392−06	4.178−06	4.135−06	4.109−06	4.082−06	4.258−06	4.368−06	4.516−06
17	64	2.058−03	2.460−03	2.638−03	2.820−03	3.231−03	3.796−03	4.087−03	4.411−03
17	65	2.434−04	2.918−04	3.135−04	3.363−04	3.876−04	4.631−04	5.000−04	5.417−04
17	66	7.186−06	5.487−06	4.750−06	4.103−06	3.334−06	2.397−06	2.198−06	2.093−06
17	67	2.777−05	3.296−05	3.526−05	3.760−05	4.291−05	4.997−05	5.375−05	5.790−05
17	68	1.428−05	9.778−06	8.142−06	6.639−06	4.167−06	1.916−06	1.370−06	9.378−07
17	69	3.205−04	3.252−04	3.271−04	3.297−04	3.400−04	3.530−04	3.622−04	3.747−04
17	70	2.844−05	2.006−05	1.717−05	1.482−05	1.263−05	9.074−06	8.766−06	8.897−06
17	71	4.919−04	5.869−04	6.296−04	6.742−04	7.748−04	9.194−04	9.915−04	1.073−03
17	72	2.295−05	2.131−05	2.084−05	2.051−05	2.029−05	2.038−05	2.076−05	2.140−05
17	73	1.218−04	1.455−04	1.562−04	1.673−04	1.924−04	2.282−04	2.461−04	2.663−04
17	74	6.353−05	5.682−05	5.487−05	5.339−05	5.261−05	5.259−05	5.424−05	5.647−05
17	75	3.741−05	2.647−05	2.282−05	1.961−05	1.472−05	1.064−05	9.957−06	9.610−06
17	76	8.456−05	8.362−05	8.333−05	8.331−05	8.469−05	8.696−05	8.888−05	9.173−05
17	77	1.493−04	1.243−04	1.127−04	1.027−04	9.478−05	8.002−05	7.835−05	7.878−05
17	78	2.841−05	2.169−05	1.874−05	1.606−05	1.202−05	8.657−06	7.617−06	6.871−06
17	79	3.922−07	3.135−07	2.837−07	2.578−07	2.285−07	1.889−07	1.847−07	1.851−07
17	80	7.021−04	6.338−04	5.926−04	5.581−04	5.450−04	4.959−04	4.940−04	5.022−04
17	81	2.379−05	2.174−05	2.038−05	1.923−05	1.883−05	1.720−05	1.712−05	1.739−05
17	82	1.650−06	1.445−06	1.371−06	1.304−06	1.234−06	1.265−06	1.331−06	1.391−06
17	83	5.643−05	5.050−05	4.665−05	4.336−05	4.177−05	3.684−05	3.629−05	3.660−05
17	84	2.019−04	1.765−04	1.619−04	1.493−04	1.419−04	1.230−04	1.208−04	1.216−04
17	85	9.568−07	6.984−07	6.028−07	5.223−07	4.435−07	3.160−07	3.010−07	2.999−07
17	86	3.619−06	2.672−06	2.341−06	2.050−06	1.623−06	1.243−06	1.175−06	1.142−06
17	87	8.331−05	7.702−05	7.277−05	6.925−05	6.865−05	6.381−05	6.389−05	6.518−05
17	88	9.072−07	1.008−06	1.061−06	1.120−06	1.259−06	1.499−06	1.613−06	1.744−06
17	89	9.183−07	6.221−07	5.163−07	4.195−07	2.607−07	1.182−07	8.407−08	5.730−08
17	90	8.347−07	7.968−07	7.728−07	7.556−07	7.841−07	7.511−07	7.654−07	7.923−07
17	91	7.078−07	7.400−07	7.609−07	7.864−07	8.534−07	9.855−07	1.056−06	1.138−06
17	92	3.737−07	3.063−07	2.836−07	2.652−07	2.505−07	2.264−07	2.279−07	2.342−07
17	93	1.402−05	1.330−05	1.294−05	1.256−05	1.216−05	1.229−05	1.273−05	1.310−05
17	94	9.116−05	1.075−04	1.152−04	1.237−04	1.430−04	1.742−04	1.880−04	2.041−04
17	95	4.908−08	4.462−08	4.260−08	4.106−08	4.174−08	3.914−08	3.976−08	4.112−08
17	96	9.058−08	5.678−08	4.684−08	3.828−08	2.402−08	1.360−08	1.172−08	1.070−08
17	97	8.511−06	9.853−06	1.049−05	1.119−05	1.279−05	1.537−05	1.654−05	1.788−05
17	98	2.495−09	1.472−09	1.170−09	9.087−10	4.727−10	1.618−10	1.001−10	6.097−11
17	99	1.959−07	1.762−07	1.675−07	1.606−07	1.604−07	1.494−07	1.511−07	1.556−07
17	100	3.796−05	4.419−05	4.713−05	5.038−05	5.774−05	6.966−05	7.510−05	8.134−05
17	101	1.582−05	1.825−05	1.939−05	2.064−05	2.346−05	2.807−05	3.022−05	3.267−05
17	102	3.060−08	2.686−08	2.528−08	2.405−08	2.405−08	2.198−08	2.224−08	2.296−08
17	103	2.225−06	2.094−06	2.020−06	1.964−06	2.012−06	1.909−06	1.939−06	2.002−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
17	104	1.522−05	1.789−05	1.916−05	2.058−05	2.378−05	2.897−05	3.129−05	3.397−05
17	105	1.384−07	1.463−07	1.516−07	1.581−07	1.748−07	2.099−07	2.292−07	2.514−07
17	106	2.104−04	1.888−04	1.750−04	1.632−04	1.580−04	1.406−04	1.390−04	1.405−04
17	107	8.167−06	9.450−06	1.008−05	1.079−05	1.243−05	1.513−05	1.635−05	1.777−05
17	108	2.638−04	2.365−04	2.194−04	2.050−04	1.984−04	1.772−04	1.754−04	1.775−04
17	109	3.009−06	2.747−06	2.581−06	2.443−06	2.412−06	2.217−06	2.216−06	2.259−06
17	110	2.404−07	1.734−07	1.492−07	1.288−07	1.072−07	7.580−08	7.189−08	7.136−08
17	111	3.662−06	3.487−06	3.409−06	3.332−06	3.265−06	3.353−06	3.481−06	3.602−06
17	112	2.018−06	1.786−06	1.645−06	1.525−06	1.470−06	1.289−06	1.272−06	1.286−06
17	113	1.584−04	1.514−04	1.481−04	1.445−04	1.409−04	1.428−04	1.475−04	1.518−04
17	114	9.082−08	8.578−08	8.331−08	8.157−08	8.395−08	8.143−08	8.308−08	8.602−08
17	115	2.868−08	1.645−08	1.294−08	9.953−09	4.936−09	1.544−09	9.004−10	5.246−10
17	116	1.083−05	1.241−05	1.317−05	1.400−05	1.590−05	1.902−05	2.049−05	2.216−05
17	117	2.384−07	1.761−07	1.531−07	1.321−07	1.004−07	6.869−08	6.221−08	5.791−08
17	118	1.289−05	1.501−05	1.603−05	1.715−05	1.972−05	2.391−05	2.583−05	2.803−05
17	119	2.129−07	2.063−07	2.016−07	1.985−07	2.069−07	2.016−07	2.059−07	2.134−07
17	120	8.562−07	7.263−07	6.512−07	5.869−07	5.524−07	4.451−07	4.309−07	4.307−07
17	121	5.074−06	5.840−06	6.207−06	6.612−06	7.540−06	9.063−06	9.770−06	1.058−05
17	122	3.944−06	4.672−06	5.023−06	5.415−06	6.316−06	7.783−06	8.443−06	9.205−06
17	123	1.612−07	1.477−07	1.418−07	1.373−07	1.393−07	1.327−07	1.349−07	1.395−07
17	124	3.230−06	3.769−06	4.033−06	4.332−06	5.027−06	6.168−06	6.679−06	7.272−06
17	125	1.660−07	1.406−07	1.312−07	1.236−07	1.186−07	1.080−07	1.086−07	1.115−07
18	19	6.000−04	5.202−04	4.952−04	4.741−04	4.444−04	4.271−04	4.306−04	4.397−04
18	20	2.701−03	2.508−03	2.452−03	2.415−03	2.427−03	2.469−03	2.545−03	2.646−03
18	21	2.121−01	2.406−01	2.508−01	2.618−01	2.885−01	3.252−01	3.434−01	3.653−01
18	22	1.653+00	1.911+00	2.007+00	2.107+00	2.336+00	2.666+00	2.823+00	3.009+00
18	23	9.128−04	8.394−04	8.123−04	7.898−04	7.663−04	7.542−04	7.625−04	7.803−04
18	24	2.945−03	3.426−03	3.609−03	3.800−03	4.229−03	4.864−03	5.162−03	5.513−03
18	25	2.892−02	3.447−02	3.674−02	3.905−02	4.411−02	5.122−02	5.472−02	5.868−02
18	26	7.221−03	7.816−03	8.085−03	8.375−03	9.108−03	1.027−02	1.091−02	1.165−02
18	27	1.521−02	1.818−02	1.941−02	2.067−02	2.343−02	2.734−02	2.926−02	3.143−02
18	28	6.759−03	7.701−03	8.098−03	8.486−03	9.400−03	1.051−02	1.119−02	1.193−02
18	29	6.857−04	5.124−04	4.395−04	3.742−04	2.885−04	1.879−04	1.659−04	1.519−04
18	30	5.648−03	5.396−03	5.325−03	5.259−03	5.290−03	5.341−03	5.570−03	5.817−03
18	31	9.794−02	1.169−01	1.248−01	1.329−01	1.507−01	1.753−01	1.877−01	2.017−01
18	32	2.253−04	2.182−04	2.156−04	2.139−04	2.145−04	2.181−04	2.223−04	2.290−04
18	33	6.058−04	5.277−04	4.863−04	4.510−04	4.232−04	3.838−04	3.820−04	3.877−04
18	34	8.345−04	8.059−04	7.995−04	7.965−04	8.040−04	8.241−04	8.434−04	8.714−04
18	35	1.373−03	1.351−03	1.348−03	1.351−03	1.377−03	1.421−03	1.457−03	1.507−03
18	36	1.276−03	1.253−03	1.250−03	1.251−03	1.275−03	1.315−03	1.348−03	1.395−03
18	37	6.876−04	6.769−04	6.756−04	6.769−04	6.911−04	7.130−04	7.311−04	7.565−04
18	38	3.489−03	3.439−03	3.434−03	3.442−03	3.512−03	3.625−03	3.716−03	3.845−03
18	39	3.051−03	3.633−03	3.885−03	4.146−03	4.726−03	5.572−03	5.985−03	6.454−03
18	40	8.012−03	9.502−03	1.015−02	1.083−02	1.235−02	1.465−02	1.575−02	1.700−02
18	41	8.425−05	5.383−05	4.481−05	3.710−05	2.466−05	1.618−05	1.484−05	1.428−05
18	42	2.973−04	2.517−04	2.390−04	2.287−04	2.148−04	2.087−04	2.114−04	2.171−04
18	43	3.378−03	2.330−03	1.945−03	1.590−03	1.005−03	4.671−04	3.357−04	2.308−04
18	44	3.255−04	2.555−04	2.218−04	1.924−04	1.630−04	1.157−04	1.064−04	1.019−04
18	45	2.419−04	1.795−04	1.553−04	1.342−04	1.085−04	7.951−05	7.503−05	7.329−05
18	46	1.544−02	1.768−02	1.868−02	1.975−02	2.220−02	2.591−02	2.778−02	2.992−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
18	47	3.223−02	3.752−02	3.986−02	4.232−02	4.790−02	5.613−02	6.026−02	6.496−02
18	48	1.107−03	1.261−03	1.328−03	1.395−03	1.552−03	1.751−03	1.870−03	1.999−03
18	49	3.801−02	4.532−02	4.850−02	5.177−02	5.907−02	6.933−02	7.451−02	8.032−02
18	50	2.417−05	1.469−05	1.179−05	9.262−06	5.068−06	1.917−06	1.264−06	8.254−07
18	51	1.457−04	1.428−04	1.422−04	1.422−04	1.445−04	1.487−04	1.523−04	1.574−04
18	52	1.680−04	1.621−04	1.607−04	1.600−04	1.621−04	1.658−04	1.698−04	1.756−04
18	53	2.780−05	2.451−05	2.361−05	2.291−05	2.209−05	2.192−05	2.232−05	2.299−05
18	54	5.681−06	3.838−06	3.290−06	2.823−06	2.080−06	1.553−06	1.474−06	1.451−06
18	55	1.381−03	1.650−03	1.768−03	1.887−03	2.153−03	2.512−03	2.700−03	2.907−03
18	56	6.118−03	7.336−03	7.870−03	8.422−03	9.653−03	1.139−02	1.226−02	1.324−02
18	57	4.384−06	3.682−06	3.359−06	3.078−06	2.768−06	2.414−06	2.355−06	2.350−06
18	58	3.253−04	3.255−04	3.260−04	3.275−04	3.353−04	3.467−04	3.552−04	3.672−04
18	59	3.145−04	3.166−04	3.176−04	3.194−04	3.276−04	3.390−04	3.474−04	3.590−04
18	60	3.485−01	4.171−01	4.471−01	4.778−01	5.464−01	6.401−01	6.885−01	7.422−01
18	61	9.134−04	9.252−04	9.304−04	9.380−04	9.670−04	1.004−03	1.030−03	1.066−03
18	62	2.391−01	2.863−01	3.071−01	3.283−01	3.759−01	4.415−01	4.751−01	5.125−01
18	63	2.019−04	2.050−04	2.062−04	2.079−04	2.143−04	2.226−04	2.283−04	2.361−04
18	64	1.023−01	1.225−01	1.314−01	1.405−01	1.610−01	1.893−01	2.038−01	2.200−01
18	65	7.630−03	9.127−03	9.787−03	1.046−02	1.199−02	1.410−02	1.518−02	1.638−02
18	66	2.678−04	2.438−04	2.338−04	2.245−04	2.023−04	2.085−04	2.074−04	2.087−04
18	67	4.762−03	5.692−03	6.103−03	6.524−03	7.473−03	8.775−03	9.447−03	1.019−02
18	68	2.370−03	2.826−03	3.029−03	3.240−03	3.714−03	4.386−03	4.724−03	5.104−03
18	69	1.316−04	1.259−04	1.240−04	1.229−04	1.249−04	1.260−04	1.289−04	1.333−04
18	70	5.876−04	5.846−04	5.843−04	5.863−04	6.032−04	6.215−04	6.377−04	6.604−04
18	71	4.995−03	5.972−03	6.406−03	6.854−03	7.862−03	9.269−03	9.986−03	1.079−02
18	72	2.054−05	1.735−05	1.631−05	1.551−05	1.498−05	1.416−05	1.439−05	1.487−05
18	73	4.905−05	5.706−05	6.068−05	6.453−05	7.359−05	8.648−05	9.301−05	1.005−04
18	74	5.217−06	3.440−06	2.883−06	2.413−06	1.787−06	1.172−06	1.101−06	1.088−06
18	75	1.293−06	8.569−07	7.131−07	5.830−07	3.448−07	2.034−07	1.613−07	1.279−07
18	76	5.084−05	4.457−05	4.219−05	4.037−05	4.003−05	3.773−05	3.833−05	3.962−05
18	77	5.062−05	4.545−05	4.374−05	4.238−05	4.130−05	4.090−05	4.183−05	4.324−05
18	78	1.354−04	1.227−04	1.190−04	1.163−04	1.160−04	1.164−04	1.202−04	1.253−04
18	79	1.533−04	1.812−04	1.938−04	2.070−04	2.369−04	2.795−04	3.010−04	3.252−04
18	80	1.802−05	1.485−05	1.312−05	1.161−05	1.022−05	7.872−06	7.376−06	7.155−06
18	81	1.290−04	9.501−05	8.208−05	7.073−05	5.550−05	3.979−05	3.670−05	3.506−05
18	82	6.489−05	5.211−05	4.649−05	4.161−05	3.653−05	2.956−05	2.843−05	2.814−05
18	83	1.420−04	1.196−04	1.087−04	9.923−05	9.124−05	7.768−05	7.587−05	7.599−05
18	84	4.688−05	4.118−05	3.829−05	3.580−05	3.398−05	3.095−05	3.091−05	3.139−05
18	85	7.113−04	6.360−04	5.912−04	5.535−04	5.370−04	4.823−04	4.787−04	4.856−04
18	86	2.987−04	2.629−04	2.419−04	2.239−04	2.135−04	1.870−04	1.842−04	1.856−04
18	87	4.891−04	4.349−04	4.017−04	3.734−04	3.596−04	3.175−04	3.133−04	3.165−04
18	88	1.031−05	1.183−05	1.254−05	1.331−05	1.503−05	1.786−05	1.923−05	2.079−05
18	89	8.238−04	9.620−04	1.027−03	1.099−03	1.262−03	1.526−03	1.644−03	1.780−03
18	90	8.216−07	8.230−07	8.370−07	8.588−07	9.245−07	1.054−06	1.119−06	1.196−06
18	91	1.266−07	9.532−08	8.624−08	7.866−08	6.732−08	6.388−08	6.610−08	6.974−08
18	92	7.304−07	5.686−07	5.117−07	4.629−07	4.052−07	3.352−07	3.285−07	3.302−07
18	93	1.084−04	9.369−05	8.572−05	7.889−05	7.433−05	6.425−05	6.305−05	6.342−05
18	94	2.602−05	3.069−05	3.290−05	3.536−05	4.097−05	5.008−05	5.413−05	5.885−05
18	95	1.929−06	1.781−06	1.708−06	1.653−06	1.678−06	1.583−06	1.607−06	1.658−06
18	96	3.406−05	3.957−05	4.216−05	4.504−05	5.171−05	6.233−05	6.716−05	7.277−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
18	97	3.707−05	4.300−05	4.580−05	4.889−05	5.593−05	6.729−05	7.245−05	7.840−05
18	98	1.552−06	1.404−06	1.343−06	1.296−06	1.307−06	1.237−06	1.258−06	1.300−06
18	99	2.782−05	3.164−05	3.346−05	3.548−05	4.008−05	4.766−05	5.121−05	5.528−05
18	100	5.492−05	6.451−05	6.903−05	7.403−05	8.532−05	1.035−04	1.117−04	1.212−04
18	101	1.949−06	2.356−06	2.546−06	2.755−06	3.227−06	4.008−06	4.373−06	4.794−06
18	102	8.031−07	6.924−07	6.510−07	6.179−07	6.028−07	5.551−07	5.606−07	5.770−07
18	103	4.423−05	5.051−05	5.350−05	5.680−05	6.439−05	7.669−05	8.238−05	8.892−05
18	104	6.667−06	7.411−06	7.776−06	8.184−06	9.136−06	1.075−05	1.153−05	1.242−05
18	105	5.050−05	5.874−05	6.261−05	6.688−05	7.660−05	9.225−05	9.943−05	1.077−04
18	106	6.602−06	6.080−06	5.781−06	5.439−06	5.022−06	4.742−06	4.905−06	4.962−06
18	107	5.899−05	6.820−05	7.268−05	7.771−05	8.935−05	1.085−04	1.171−04	1.271−04
18	108	3.054−05	2.722−05	2.501−05	2.311−05	2.223−05	1.930−05	1.894−05	1.906−05
18	109	3.184−04	2.855−04	2.649−04	2.473−04	2.392−04	2.136−04	2.113−04	2.137−04
18	110	4.656−04	4.197−04	3.904−04	3.656−04	3.553−04	3.192−04	3.164−04	3.205−04
18	111	1.388−04	1.256−04	1.169−04	1.095−04	1.066−04	9.578−05	9.492−05	9.614−05
18	112	1.763−04	1.585−04	1.475−04	1.382−04	1.336−04	1.206−04	1.198−04	1.215−04
18	113	9.954−07	7.875−07	6.968−07	6.190−07	5.486−07	4.300−07	4.137−07	4.115−07
18	114	2.976−07	2.344−07	2.104−07	1.890−07	1.611−07	1.285−07	1.236−07	1.218−07
18	115	1.107−07	9.873−08	9.423−08	9.079−08	9.055−08	8.608−08	8.745−08	9.033−08
18	116	1.494−06	1.701−06	1.800−06	1.913−06	2.189−06	2.623−06	2.828−06	3.068−06
18	117	8.561−06	9.780−06	1.036−05	1.099−05	1.245−05	1.482−05	1.593−05	1.721−05
18	118	1.261−05	1.469−05	1.568−05	1.678−05	1.927−05	2.333−05	2.518−05	2.731−05
18	119	2.508−07	2.332−07	2.246−07	2.182−07	2.229−07	2.123−07	2.159−07	2.232−07
18	120	3.224−04	3.081−04	3.012−04	2.939−04	2.868−04	2.907−04	3.002−04	3.090−04
18	121	8.292−06	9.441−06	9.993−06	1.061−05	1.201−05	1.434−05	1.545−05	1.671−05
18	122	3.788−05	4.413−05	4.712−05	5.044−05	5.805−05	7.041−05	7.604−05	8.252−05
18	123	3.975−06	4.485−06	4.729−06	5.005−06	5.677−06	6.745−06	7.259−06	7.857−06
18	124	2.250−06	2.604−06	2.777−06	2.973−06	3.428−06	4.177−06	4.515−06	4.906−06
18	125	4.194−06	4.888−06	5.230−06	5.616−06	6.518−06	8.002−06	8.669−06	9.445−06
19	20	6.440−03	4.271−03	3.523−03	2.850−03	1.772−03	8.206−04	6.027−04	4.421−04
19	21	3.937−03	4.526−03	4.728−03	4.936−03	5.426−03	6.090−03	6.413−03	6.799−03
19	22	1.487−04	1.320−04	1.243−04	1.187−04	1.208−04	1.093−04	1.109−04	1.148−04
19	23	1.181−03	8.264−04	6.933−04	5.694−04	3.637−04	1.730−04	1.260−04	8.753−05
19	24	6.454−01	7.473−01	7.845−01	8.231−01	9.112−01	1.037+00	1.097+00	1.168+00
19	25	2.085−01	2.420−01	2.545−01	2.675−01	2.970−01	3.400−01	3.603−01	3.843−01
19	26	1.051+00	1.254+00	1.336+00	1.420+00	1.604+00	1.864+00	1.991+00	2.136+00
19	27	2.786−02	3.315−02	3.531−02	3.752−02	4.236−02	4.922−02	5.257−02	5.639−02
19	28	8.029−02	9.579−02	1.022−01	1.087−01	1.230−01	1.434−01	1.533−01	1.646−01
19	29	1.099−02	9.080−03	8.019−03	7.099−03	6.342−03	4.834−03	4.548−03	4.434−03
19	30	1.854−04	1.077−04	8.549−05	6.652−05	3.439−05	1.388−05	9.921−06	7.581−06
19	31	3.788−02	4.513−02	4.814−02	5.123−02	5.801−02	6.772−02	7.245−02	7.782−02
19	32	3.350−02	3.271−02	3.260−02	3.261−02	3.315−02	3.417−02	3.503−02	3.624−02
19	33	2.297−03	1.785−03	1.550−03	1.340−03	1.085−03	7.652−04	6.917−04	6.478−04
19	34	3.571−02	3.511−02	3.504−02	3.511−02	3.578−02	3.695−02	3.788−02	3.919−02
19	35	2.321−02	2.250−02	2.237−02	2.234−02	2.269−02	2.333−02	2.392−02	2.475−02
19	36	4.713−03	4.598−03	4.579−03	4.578−03	4.655−03	4.794−03	4.914−03	5.084−03
19	37	6.838−05	4.133−05	3.366−05	2.718−05	1.665−05	9.923−06	8.990−06	8.674−06
19	38	2.199−04	1.255−04	9.861−05	7.572−05	3.755−05	1.179−05	7.050−06	4.388−06
19	39	1.237−02	1.475−02	1.577−02	1.683−02	1.918−02	2.266−02	2.432−02	2.622−02
19	40	1.800−05	1.169−05	9.596−06	7.717−06	4.557−06	2.013−06	1.418−06	9.647−07

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
19	41	4.570−04	3.176−04	2.751−04	2.386−04	1.800−04	1.387−04	1.319−04	1.295−04
19	42	5.613−04	3.747−04	3.211−04	2.760−04	2.048−04	1.567−04	1.507−04	1.502−04
19	43	8.795−06	8.348−06	8.050−06	7.843−06	8.216−06	7.713−06	7.859−06	8.149−06
19	44	9.729−04	6.494−04	5.360−04	4.331−04	2.657−04	1.173−04	8.230−05	5.543−05
19	45	1.462−03	1.030−03	8.746−04	7.357−04	5.266−04	3.293−04	2.873−04	2.594−04
19	46	2.011−03	2.415−03	2.587−03	2.762−03	3.149−03	3.675−03	3.944−03	4.244−03
19	47	8.381−06	5.670−06	4.711−06	3.837−06	2.399−06	1.119−06	8.163−07	5.808−07
19	48	8.911−03	1.047−02	1.115−02	1.184−02	1.340−02	1.551−02	1.663−02	1.787−02
19	49	6.804−03	8.121−03	8.687−03	9.263−03	1.055−02	1.230−02	1.320−02	1.420−02
19	50	5.546−06	4.321−06	3.807−06	3.404−06	3.296−06	2.527−06	2.496−06	2.574−06
19	51	2.350−04	2.309−04	2.301−04	2.303−04	2.355−04	2.422−04	2.484−04	2.572−04
19	52	6.876−06	4.036−06	3.208−06	2.502−06	1.346−06	5.212−07	3.688−07	2.830−07
19	53	1.160−05	1.000−05	9.465−06	9.011−06	8.436−06	8.006−06	8.053−06	8.214−06
19	54	2.856−05	2.617−05	2.558−05	2.527−05	2.607−05	2.753−05	2.910−05	3.089−05
19	55	2.332−05	2.448−05	2.513−05	2.584−05	2.785−05	3.098−05	3.293−05	3.515−05
19	56	1.304−03	1.560−03	1.673−03	1.790−03	2.051−03	2.434−03	2.620−03	2.832−03
19	57	1.308−05	1.078−05	9.991−06	9.312−06	8.216−06	8.154−06	8.251−06	8.442−06
19	58	1.031−04	9.858−05	9.746−05	9.686−05	9.778−05	9.984−05	1.022−04	1.057−04
19	59	1.680−05	1.208−05	1.047−05	9.073−06	6.973−06	5.249−06	4.904−06	4.737−06
19	60	3.690−05	2.553−05	2.133−05	1.746−05	1.109−05	5.203−06	3.765−06	2.616−06
19	61	5.646−06	3.197−06	2.508−06	1.922−06	9.371−07	2.886−07	1.700−07	1.047−07
19	62	9.380−03	1.123−02	1.204−02	1.286−02	1.471−02	1.722−02	1.851−02	1.995−02
19	63	3.854−06	2.733−06	2.359−06	2.026−06	1.508−06	1.084−06	1.018−06	9.826−07
19	64	3.525−03	4.220−03	4.525−03	4.837−03	5.536−03	6.504−03	6.997−03	7.548−03
19	65	1.348−01	1.611−01	1.727−01	1.845−01	2.109−01	2.472−01	2.659−01	2.867−01
19	66	1.546−05	1.098−05	9.266−06	7.712−06	5.320−06	3.143−06	2.592−06	2.191−06
19	67	2.024−02	2.419−02	2.592−02	2.770−02	3.170−02	3.720−02	4.003−02	4.317−02
19	68	5.421−04	3.745−04	3.127−04	2.556−04	1.618−04	7.524−05	5.409−05	3.717−05
19	69	3.801−05	3.097−05	2.884−05	2.709−05	2.478−05	2.320−05	2.334−05	2.387−05
19	70	6.586−07	4.597−07	3.878−07	3.249−07	2.408−07	1.452−07	1.280−07	1.183−07
19	71	9.323−04	6.988−04	6.136−04	5.352−04	4.114−04	3.010−04	2.817−04	2.695−04
19	72	2.322−06	1.822−06	1.643−06	1.492−06	1.312−06	1.115−06	1.097−06	1.105−06
19	73	2.770−04	3.305−04	3.542−04	3.787−04	4.339−04	5.108−04	5.503−04	5.943−04
19	74	9.775−07	6.817−07	5.896−07	5.134−07	4.024−07	4.464−07	4.853−07	5.234−07
19	75	1.186−05	1.083−05	1.056−05	1.042−05	1.067−05	1.190−05	1.272−05	1.359−05
19	76	3.415−06	2.871−06	2.706−06	2.572−06	2.411−06	2.310−06	2.335−06	2.396−06
19	77	4.346−06	3.382−06	2.953−06	2.569−06	2.050−06	1.554−06	1.422−06	1.341−06
19	78	4.299−06	3.250−06	2.798−06	2.400−06	1.905−06	1.334−06	1.205−06	1.131−06
19	79	1.597−05	1.287−05	1.164−05	1.056−05	9.310−06	7.587−06	7.374−06	7.342−06
19	80	1.850−05	1.554−05	1.383−05	1.232−05	1.084−05	8.555−06	8.038−06	7.785−06
19	81	6.169−05	5.402−05	4.979−05	4.613−05	4.295−05	3.806−05	3.733−05	3.740−05
19	82	1.524−05	1.336−05	1.282−05	1.245−05	1.241−05	1.415−05	1.528−05	1.642−05
19	83	2.848−06	1.807−06	1.473−06	1.180−06	7.220−07	3.434−07	2.669−07	2.178−07
19	84	1.748−05	1.462−05	1.323−05	1.202−05	1.086−05	9.113−06	8.833−06	8.785−06
19	85	4.129−06	2.724−06	2.240−06	1.803−06	1.090−06	4.716−07	3.276−07	2.184−07
19	86	7.195−06	5.311−06	4.581−06	3.930−06	3.020−06	2.088−06	1.894−06	1.775−06
19	87	4.916−06	3.617−06	3.090−06	2.616−06	1.971−06	1.269−06	1.114−06	1.012−06
19	88	1.339−05	1.405−05	1.452−05	1.510−05	1.659−05	1.947−05	2.092−05	2.262−05
19	89	5.831−06	4.037−06	3.373−06	2.760−06	1.750−06	8.170−07	5.884−07	4.051−07
19	90	9.199−06	8.175−06	7.761−06	7.439−06	7.435−06	6.939−06	7.037−06	7.265−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
19	91	4.802−05	5.598−05	5.975−05	6.389−05	7.318−05	8.835−05	9.538−05	1.034−04
19	92	3.336−05	3.157−05	3.054−05	2.980−05	3.090−05	2.952−05	3.009−05	3.117−05
19	93	1.230−06	8.950−07	7.610−07	6.282−07	4.267−07	2.400−07	2.206−07	1.886−07
19	94	3.091−04	3.465−04	3.650−04	3.859−04	4.350−04	5.178−04	5.561−04	6.007−04
19	95	7.241−07	5.544−07	4.998−07	4.550−07	4.076−07	3.498−07	3.486−07	3.565−07
19	96	1.605−06	9.321−07	7.469−07	5.908−07	3.242−07	1.508−07	1.215−07	1.080−07
19	97	7.037−05	7.897−05	8.331−05	8.824−05	9.985−05	1.196−04	1.288−04	1.395−04
19	98	2.006−07	1.145−07	8.994−08	6.908−08	3.396−08	1.047−08	6.046−09	3.505−09
19	99	2.280−06	1.774−06	1.596−06	1.443−06	1.256−06	1.039−06	1.016−06	1.019−06
19	100	1.379−05	1.602−05	1.709−05	1.827−05	2.095−05	2.534−05	2.736−05	2.969−05
19	101	1.649−05	1.919−05	2.048−05	2.190−05	2.513−05	3.039−05	3.278−05	3.553−05
19	102	4.060−07	2.598−07	2.167−07	1.805−07	1.260−07	8.301−08	7.704−08	7.546−08
19	103	2.219−06	1.549−06	1.342−06	1.168−06	9.204−07	7.048−07	6.791−07	6.778−07
19	104	3.395−05	3.904−05	4.152−05	4.430−05	5.075−05	6.138−05	6.618−05	7.176−05
19	105	1.135−05	1.313−05	1.400−05	1.499−05	1.724−05	2.094−05	2.258−05	2.449−05
19	106	4.027−06	3.645−06	3.396−06	3.185−06	3.092−06	2.789−06	2.764−06	2.798−06
19	107	1.222−05	8.352−06	7.001−06	5.789−06	3.875−06	2.258−06	1.914−06	1.682−06
19	108	3.340−06	2.969−06	2.769−06	2.602−06	2.516−06	2.283−06	2.274−06	2.311−06
19	109	2.201−07	1.661−07	1.468−07	1.295−07	1.033−07	8.016−08	7.581−08	7.349−08
19	110	2.864−08	1.903−08	1.571−08	1.272−08	7.875−09	3.609−09	2.639−09	1.913−09
19	111	6.599−07	4.892−07	4.288−07	3.741−07	2.916−07	2.330−07	2.285−07	2.263−07
19	112	4.550−07	3.015−07	2.481−07	1.999−07	1.216−07	5.303−08	3.701−08	2.481−08
19	113	1.864−06	1.742−06	1.679−06	1.610−06	1.529−06	1.514−06	1.569−06	1.607−06
19	114	1.109−07	1.062−07	1.033−07	1.013−07	1.054−07	1.019−07	1.040−07	1.078−07
19	115	1.258−08	7.232−09	5.696−09	4.385−09	2.182−09	6.895−10	4.053−10	2.378−10
19	116	1.866−07	2.183−07	2.336−07	2.506−07	2.896−07	3.543−07	3.846−07	4.198−07
19	117	3.790−08	2.606−08	2.263−08	1.976−08	1.546−08	1.218−08	1.184−08	1.191−08
19	118	1.056−07	1.087−07	1.114−07	1.152−07	1.261−07	1.480−07	1.591−07	1.725−07
19	119	7.288−08	4.180−08	3.289−08	2.532−08	1.259−08	4.007−09	2.385−09	1.446−09
19	120	4.830−07	3.285−07	2.731−07	2.228−07	1.410−07	6.879−08	5.149−08	3.817−08
19	121	3.844−07	4.032−07	4.162−07	4.331−07	4.786−07	5.633−07	6.035−07	6.513−07
19	122	1.712−07	1.798−07	1.858−07	1.936−07	2.146−07	2.547−07	2.743−07	2.976−07
19	123	2.227−08	1.305−08	1.055−08	8.451−09	4.886−09	2.655−09	2.306−09	2.179−09
19	124	3.738−07	4.319−07	4.612−07	4.946−07	5.730−07	7.022−07	7.594−07	8.260−07
19	125	9.149−09	5.808−09	4.798−09	3.933−09	2.484−09	1.544−09	1.334−09	1.217−09
20	21	2.446−03	2.593−03	2.625−03	2.669−03	2.867−03	3.029−03	3.153−03	3.314−03
20	22	4.684−02	5.373−02	5.601−02	5.835−02	6.397−02	7.129−02	7.491−02	7.927−02
20	23	1.949−03	1.513−03	1.345−03	1.200−03	1.017−03	8.141−04	7.835−04	7.744−04
20	24	6.726−02	7.774−02	8.143−02	8.523−02	9.399−02	1.062−01	1.120−01	1.190−01
20	25	8.998−01	1.041+00	1.093+00	1.146+00	1.269+00	1.443+00	1.526+00	1.624+00
20	26	3.926−02	4.557−02	4.796−02	5.045−02	5.608−02	6.439−02	6.829−02	7.290−02
20	27	6.043−01	7.022−01	7.393−01	7.779−01	8.652−01	9.935−01	1.054+00	1.125+00
20	28	5.454−02	6.442−02	6.849−02	7.265−02	8.179−02	9.493−02	1.013−01	1.086−01
20	29	1.972−02	1.532−02	1.332−02	1.157−02	9.615−03	6.863−03	6.314−03	6.030−03
20	30	1.950+00	2.327+00	2.480+00	2.635+00	2.976+00	3.455+00	3.689+00	3.955+00
20	31	3.869−01	4.606−01	4.909−01	5.218−01	5.895−01	6.857−01	7.326−01	7.861−01
20	32	3.074−03	2.918−03	2.870−03	2.835−03	2.817−03	2.854−03	2.906−03	2.990−03
20	33	6.712−03	5.573−03	5.045−03	4.590−03	4.173−03	3.488−03	3.396−03	3.394−03
20	34	1.762−02	1.703−02	1.691−02	1.686−02	1.702−02	1.748−02	1.790−02	1.849−02
20	35	2.804−02	2.740−02	2.730−02	2.732−02	2.782−02	2.867−02	2.941−02	3.044−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
20	36	3.356−02	3.293−02	3.286−02	3.291−02	3.352−02	3.460−02	3.548−02	3.670−02
20	37	1.986−02	1.952−02	1.948−02	1.952−02	1.991−02	2.055−02	2.107−02	2.181−02
20	38	7.268−02	7.144−02	7.131−02	7.143−02	7.275−02	7.511−02	7.700−02	7.964−02
20	39	1.008−02	1.203−02	1.286−02	1.372−02	1.560−02	1.835−02	1.968−02	2.119−02
20	40	4.031−02	4.813−02	5.145−02	5.489−02	6.247−02	7.351−02	7.884−02	8.492−02
20	41	1.844−03	1.266−03	1.095−03	9.497−04	7.297−04	5.686−04	5.488−04	5.478−04
20	42	1.029−02	9.468−03	9.260−03	9.114−03	9.012−03	9.111−03	9.308−03	9.611−03
20	43	2.040−04	1.400−04	1.172−04	9.657−05	6.330−05	3.297−05	2.604−05	2.081−05
20	44	3.757−03	2.984−03	2.638−03	2.337−03	2.013−03	1.561−03	1.480−03	1.449−03
20	45	3.954−03	3.078−03	2.709−03	2.386−03	2.008−03	1.532−03	1.446−03	1.409−03
20	46	1.882−02	2.256−02	2.415−02	2.578−02	2.938−02	3.448−02	3.700−02	3.984−02
20	47	3.869−04	4.320−04	4.527−04	4.747−04	5.274−04	6.092−04	6.520−04	7.006−04
20	48	1.163−01	1.395−01	1.494−01	1.593−01	1.815−01	2.112−01	2.266−01	2.437−01
20	49	1.586−02	1.900−02	2.034−02	2.166−02	2.461−02	2.842−02	3.045−02	3.269−02
20	50	2.736−05	1.705−05	1.389−05	1.121−05	7.336−06	3.911−06	3.374−06	3.147−06
20	51	3.738−05	2.408−05	1.993−05	1.635−05	1.075−05	6.453−06	5.635−06	5.189−06
20	52	1.076−03	1.049−03	1.043−03	1.042−03	1.064−03	1.091−03	1.119−03	1.159−03
20	53	4.968−05	4.131−05	3.897−05	3.717−05	3.552−05	3.592−05	3.746−05	3.938−05
20	54	9.248−06	6.112−06	5.112−06	4.239−06	2.831−06	1.771−06	1.553−06	1.421−06
20	55	4.083−03	4.876−03	5.218−03	5.566−03	6.343−03	7.406−03	7.952−03	8.560−03
20	56	1.345−03	1.600−03	1.712−03	1.829−03	2.089−03	2.469−03	2.655−03	2.867−03
20	57	6.212−05	5.506−05	5.231−05	4.991−05	4.656−05	4.450−05	4.440−05	4.494−05
20	58	3.802−04	3.736−04	3.727−04	3.731−04	3.808−04	3.923−04	4.022−04	4.162−04
20	59	1.860−04	1.687−04	1.636−04	1.599−04	1.575−04	1.571−04	1.603−04	1.655−04
20	60	4.112−03	4.872−03	5.206−03	5.551−03	6.327−03	7.436−03	7.992−03	8.620−03
20	61	1.810−04	1.511−04	1.429−04	1.363−04	1.273−04	1.233−04	1.250−04	1.284−04
20	62	5.478−04	5.784−04	5.954−04	6.157−04	6.702−04	7.688−04	8.212−04	8.832−04
20	63	2.055−05	1.400−05	1.171−05	9.726−06	6.950−06	4.369−06	3.851−06	3.571−06
20	64	2.568−02	3.078−02	3.300−02	3.529−02	4.039−02	4.749−02	5.109−02	5.511−02
20	65	4.718−02	5.629−02	6.027−02	6.434−02	7.346−02	8.595−02	9.240−02	9.956−02
20	66	1.119−04	9.708−05	9.163−05	8.716−05	8.114−05	8.453−05	8.681−05	8.990−05
20	67	4.403−03	4.901−03	5.133−03	5.376−03	5.966−03	6.810−03	7.284−03	7.816−03
20	68	1.765−01	2.104−01	2.252−01	2.405−01	2.747−01	3.216−01	3.458−01	3.728−01
20	69	5.325−05	4.345−05	4.046−05	3.802−05	3.507−05	3.280−05	3.305−05	3.387−05
20	70	1.056−05	8.516−06	7.785−06	7.164−06	6.417−06	5.656−06	5.597−06	5.656−06
20	71	2.935−02	3.467−02	3.703−02	3.945−02	4.493−02	5.250−02	5.644−02	6.083−02
20	72	1.006−05	7.700−06	6.970−06	6.344−06	5.369−06	4.731−06	4.661−06	4.689−06
20	73	1.102−04	1.218−04	1.268−04	1.323−04	1.479−04	1.662−04	1.772−04	1.900−04
20	74	7.694−06	6.521−06	6.117−06	5.765−06	5.275−06	4.891−06	4.877−06	4.938−06
20	75	3.541−06	2.667−06	2.332−06	2.032−06	1.576−06	1.202−06	1.112−06	1.056−06
20	76	2.015−05	1.791−05	1.730−05	1.684−05	1.629−05	1.622−05	1.651−05	1.700−05
20	77	3.661−05	3.301−05	3.180−05	3.090−05	3.057−05	3.183−05	3.316−05	3.476−05
20	78	1.984−05	1.888−05	1.841−05	1.803−05	1.773−05	1.782−05	1.808−05	1.855−05
20	79	3.275−03	3.904−03	4.182−03	4.470−03	5.122−03	6.029−03	6.494−03	7.013−03
20	80	1.244−05	9.097−06	7.753−06	6.555−06	4.884−06	3.198−06	2.799−06	2.539−06
20	81	2.909−05	2.290−05	2.030−05	1.801−05	1.509−05	1.194−05	1.131−05	1.102−05
20	82	9.695−06	7.197−06	6.246−06	5.410−06	4.270−06	3.131−06	2.902−06	2.781−06
20	83	2.999−05	2.306−05	2.074−05	1.879−05	1.633−05	1.556−05	1.604−05	1.672−05
20	84	2.201−05	1.828−05	1.684−05	1.566−05	1.472−05	1.471−05	1.540−05	1.622−05
20	85	2.346−04	2.049−04	1.878−04	1.732−04	1.618−04	1.408−04	1.376−04	1.378−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
20	86	1.124−05	9.367−06	8.582−06	7.927−06	7.370−06	6.629−06	6.648−06	6.798−06
20	87	3.921−05	3.266−05	2.936−05	2.652−05	2.398−05	1.969−05	1.901−05	1.887−05
20	88	7.505−06	6.005−06	5.436−06	4.932−06	4.327−06	3.543−06	3.468−06	3.462−06
20	89	5.307−03	6.244−03	6.669−03	7.112−03	8.125−03	9.570−03	1.031−02	1.114−02
20	90	2.337−05	2.691−05	2.859−05	3.035−05	3.453−05	4.045−05	4.361−05	4.715−05
20	91	3.290−06	3.533−06	3.677−06	3.834−06	4.246−06	4.863−06	5.234−06	5.647−06
20	92	6.234−06	5.164−06	4.787−06	4.481−06	4.260−06	3.830−06	3.851−06	3.955−06
20	93	6.597−06	5.467−06	4.928−06	4.456−06	4.012−06	3.305−06	3.201−06	3.182−06
20	94	5.386−04	5.811−04	6.040−04	6.312−04	6.989−04	8.197−04	8.772−04	9.451−04
20	95	1.461−05	1.339−05	1.284−05	1.242−05	1.265−05	1.194−05	1.215−05	1.256−05
20	96	3.860−04	4.530−04	4.843−04	5.187−04	5.962−04	7.205−04	7.765−04	8.411−04
20	97	6.918−06	5.263−06	4.680−06	4.160−06	3.382−06	2.749−06	2.682−06	2.683−06
20	98	3.229−05	3.074−05	2.979−05	2.912−05	3.028−05	2.900−05	2.957−05	3.063−05
20	99	6.061−05	6.777−05	7.138−05	7.552−05	8.544−05	1.020−04	1.097−04	1.187−04
20	100	3.711−05	4.293−05	4.573−05	4.884−05	5.593−05	6.753−05	7.290−05	7.910−05
20	101	1.126−04	1.316−04	1.406−04	1.505−04	1.727−04	2.088−04	2.252−04	2.442−04
20	102	2.269−06	1.311−06	1.042−06	8.137−07	4.297−07	1.749−07	1.297−07	1.062−07
20	103	3.269−05	3.549−05	3.709−05	3.899−05	4.362−05	5.175−05	5.551−05	5.993−05
20	104	5.677−05	6.125−05	6.375−05	6.674−05	7.421−05	8.747−05	9.375−05	1.011−04
20	105	1.145−05	1.282−05	1.353−05	1.436−05	1.631−05	1.962−05	2.117−05	2.297−05
20	106	2.985−06	2.421−06	2.210−06	2.021−06	1.777−06	1.614−06	1.633−06	1.662−06
20	107	8.784−05	8.152−05	8.011−05	7.951−05	8.106−05	8.879−05	9.370−05	9.994−05
20	108	8.882−06	7.881−06	7.341−06	6.882−06	6.601−06	5.969−06	5.929−06	6.010−06
20	109	2.047−05	1.829−05	1.689−05	1.570−05	1.507−05	1.330−05	1.310−05	1.320−05
20	110	1.272−05	1.105−05	1.007−05	9.237−06	8.772−06	7.454−06	7.293−06	7.328−06
20	111	7.336−06	6.352−06	5.837−06	5.395−06	5.077−06	4.443−06	4.372−06	4.403−06
20	112	9.984−06	8.833−06	8.178−06	7.618−06	7.293−06	6.492−06	6.432−06	6.506−06
20	113	1.161−06	9.004−07	7.974−07	7.049−07	5.756−07	4.484−07	4.229−07	4.091−07
20	114	6.949−07	6.057−07	5.704−07	5.418−07	5.275−07	4.848−07	4.884−07	5.012−07
20	115	1.032−06	9.874−07	9.590−07	9.394−07	9.779−07	9.407−07	9.597−07	9.943−07
20	116	1.041−06	1.205−06	1.286−06	1.375−06	1.580−06	1.920−06	2.079−06	2.261−06
20	117	6.273−07	6.553−07	6.745−07	7.000−07	7.737−07	8.987−07	9.619−07	1.038−06
20	118	3.189−06	3.692−06	3.935−06	4.205−06	4.824−06	5.842−06	6.311−06	6.851−06
20	119	5.764−07	4.170−07	3.679−07	3.272−07	2.746−07	2.249−07	2.213−07	2.244−07
20	120	1.832−05	1.723−05	1.674−05	1.629−05	1.588−05	1.600−05	1.646−05	1.696−05
20	121	5.286−06	6.058−06	6.438−06	6.868−06	7.868−06	9.516−06	1.026−05	1.112−05
20	122	7.520−07	8.288−07	8.713−07	9.218−07	1.046−06	1.265−06	1.368−06	1.489−06
20	123	1.176−05	1.381−05	1.479−05	1.590−05	1.844−05	2.255−05	2.437−05	2.649−05
20	124	1.052−07	8.568−08	7.989−08	7.533−08	7.021−08	6.851−08	6.998−08	7.276−08
20	125	3.901−07	4.209−07	4.389−07	4.603−07	5.139−07	6.070−07	6.518−07	7.042−07
21	22	4.298−02	3.372−02	3.075−02	2.841−02	2.634−02	2.332−02	2.347−02	2.419−02
21	23	5.918−02	6.819−02	7.112−02	7.411−02	8.124−02	9.041−02	9.494−02	1.004−01
21	24	5.301−05	3.837−05	3.347−05	2.910−05	2.207−05	1.629−05	1.517−05	1.451−05
21	25	4.984−04	4.343−04	4.105−04	3.915−04	3.807−04	3.601−04	3.668−04	3.787−04
21	26	3.042−05	2.786−05	2.716−05	2.662−05	2.612−05	2.622−05	2.675−05	2.757−05
21	27	1.279−04	1.210−04	1.192−04	1.180−04	1.179−04	1.197−04	1.224−04	1.264−04
21	28	1.142−04	1.106−04	1.098−04	1.096−04	1.112−04	1.143−04	1.172−04	1.213−04
21	29	3.239−05	3.807−05	4.018−05	4.219−05	4.538−05	5.253−05	5.515−05	5.821−05
21	30	1.237−04	9.887−05	9.059−05	8.397−05	7.808−05	6.934−05	6.957−05	7.144−05
21	31	2.435−04	2.313−04	2.287−04	2.270−04	2.264−04	2.333−04	2.394−04	2.476−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
21	32	1.037−02	1.161−02	1.213−02	1.266−02	1.394−02	1.572−02	1.672−02	1.784−02
21	33	2.802−03	3.252−03	3.436−03	3.626−03	4.066−03	4.663−03	4.970−03	5.322−03
21	34	7.060−03	7.846−03	8.178−03	8.496−03	9.288−03	1.020−02	1.083−02	1.150−02
21	35	9.100−03	1.065−02	1.129−02	1.192−02	1.335−02	1.514−02	1.615−02	1.726−02
21	36	3.490−02	4.140−02	4.411−02	4.684−02	5.292−02	6.115−02	6.539−02	7.014−02
21	37	1.759−02	2.074−02	2.206−02	2.338−02	2.635−02	3.031−02	3.240−02	3.472−02
21	38	1.539−04	1.133−04	9.847−05	8.524−05	6.649−05	4.642−05	4.278−05	4.070−05
21	39	4.149−05	3.212−05	2.821−05	2.478−05	2.061−05	1.558−05	1.469−05	1.428−05
21	40	1.154−04	8.569−05	7.362−05	6.303−05	5.026−05	3.388−05	3.080−05	2.916−05
21	41	4.705−03	5.355−03	5.635−03	5.923−03	6.596−03	7.538−03	8.044−03	8.616−03
21	42	6.987−03	8.269−03	8.802−03	9.321−03	1.050−02	1.190−02	1.272−02	1.360−02
21	43	4.394−06	3.422−06	3.012−06	2.653−06	2.227−06	1.695−06	1.598−06	1.554−06
21	44	1.038−04	1.201−04	1.276−04	1.353−04	1.532−04	1.781−04	1.916−04	2.064−04
21	45	8.292−04	9.767−04	1.040−03	1.105−03	1.253−03	1.463−03	1.568−03	1.687−03
21	46	4.750−06	4.329−06	4.220−06	4.157−06	4.125−06	3.988−06	3.909−06	3.926−06
21	47	6.141−06	4.290−06	3.608−06	3.000−06	2.108−06	1.213−06	1.021−06	8.904−07
21	48	1.532−05	1.478−05	1.465−05	1.457−05	1.466−05	1.497−05	1.531−05	1.580−05
21	49	1.602−05	1.571−05	1.565−05	1.566−05	1.593−05	1.640−05	1.682−05	1.740−05
21	50	5.702−08	3.266−08	2.574−08	1.989−08	1.018−08	3.590−09	2.371−09	1.722−09
21	51	2.443−03	1.705−03	1.433−03	1.181−03	7.681−04	3.887−04	2.977−04	2.259−04
21	52	1.748−03	1.209−03	1.011−03	8.268−04	5.243−04	2.448−04	1.764−04	1.216−04
21	53	3.168−03	2.985−03	2.937−03	2.904−03	2.929−03	3.087−03	3.236−03	3.421−03
21	54	8.956−04	6.559−04	5.682−04	4.877−04	3.589−04	2.461−04	2.235−04	2.084−04
21	55	1.485−04	1.377−04	1.308−04	1.247−04	1.200−04	1.122−04	1.114−04	1.125−04
21	56	1.307−04	1.153−04	1.083−04	1.019−04	9.060−05	8.846−05	8.780−05	8.817−05
21	57	2.968−03	3.562−03	3.819−03	4.080−03	4.661−03	5.459−03	5.866−03	6.319−03
21	58	5.800−04	6.662−04	7.039−04	7.421−04	8.311−04	9.487−04	1.015−03	1.088−03
21	59	1.846−02	2.211−02	2.369−02	2.530−02	2.889−02	3.382−02	3.634−02	3.915−02
21	60	7.512−05	5.467−05	4.762−05	4.189−05	3.656−05	2.813−05	2.749−05	2.798−05
21	61	1.496−03	1.036−03	8.654−04	7.080−04	4.490−04	2.097−04	1.511−04	1.041−04
21	62	7.771−05	7.162−05	6.985−05	6.852−05	6.738−05	6.794−05	6.933−05	7.152−05
21	63	1.386−03	1.650−03	1.765−03	1.883−03	2.148−03	2.517−03	2.705−03	2.916−03
21	64	2.568−05	2.122−05	1.932−05	1.762−05	1.499−05	1.326−05	1.273−05	1.247−05
21	65	7.638−06	7.209−06	7.011−06	6.846−06	6.744−06	6.651−06	6.751−06	6.933−06
21	66	2.268−04	2.715−04	2.911−04	3.114−04	3.566−04	4.203−04	4.523−04	4.882−04
21	67	6.589−06	6.198−06	5.965−06	5.773−06	5.700−06	5.459−06	5.494−06	5.612−06
21	68	2.374−06	1.687−06	1.450−06	1.250−06	1.030−06	7.335−07	6.989−07	6.967−07
21	69	3.139−01	3.758−01	4.028−01	4.304−01	4.922−01	5.759−01	6.194−01	6.675−01
21	70	4.156−05	2.999−05	2.632−05	2.322−05	1.913−05	1.512−05	1.472−05	1.479−05
21	71	1.592−05	1.471−05	1.407−05	1.355−05	1.335−05	1.274−05	1.286−05	1.317−05
21	72	2.563−01	3.069−01	3.291−01	3.520−01	4.031−01	4.740−01	5.101−01	5.504−01
21	73	3.478−04	3.184−04	3.059−04	2.945−04	2.665−04	2.774−04	2.769−04	2.792−04
21	74	1.368−01	1.638−01	1.757−01	1.879−01	2.153−01	2.536−01	2.730−01	2.946−01
21	75	2.004−02	2.399−02	2.572−02	2.752−02	3.153−02	3.715−02	3.999−02	4.318−02
21	76	1.471−04	1.471−04	1.473−04	1.473−04	1.535−04	1.537−04	1.606−04	1.677−04
21	77	1.160−02	1.388−02	1.489−02	1.593−02	1.826−02	2.152−02	2.318−02	2.503−02
21	78	1.310−02	1.567−02	1.681−02	1.798−02	2.062−02	2.432−02	2.619−02	2.829−02
21	79	1.145−05	9.357−06	8.512−06	7.785−06	6.962−06	6.020−06	5.902−06	5.918−06
21	80	6.654−03	7.960−03	8.535−03	9.122−03	1.044−02	1.223−02	1.316−02	1.419−02
21	81	4.600−06	5.425−06	5.787−06	6.151−06	6.987−06	8.050−06	8.643−06	9.289−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
21	82	9.716−07	1.155−06	1.238−06	1.327−06	1.528−06	1.837−06	1.984−06	2.153−06
21	83	2.147−05	2.546−05	2.722−05	2.902−05	3.307−05	3.852−05	4.139−05	4.456−05
21	84	1.400−04	1.670−04	1.790−04	1.915−04	2.196−04	2.591−04	2.791−04	3.016−04
21	85	8.513−07	5.971−07	5.188−07	4.529−07	3.619−07	2.788−07	2.699−07	2.706−07
21	86	4.970−05	5.899−05	6.315−05	6.747−05	7.724−05	9.102−05	9.801−05	1.058−04
21	87	6.044−04	7.224−04	7.749−04	8.288−04	9.509−04	1.118−03	1.205−03	1.302−03
21	88	6.643−05	4.518−05	3.772−05	3.110−05	2.105−05	1.202−05	1.003−05	8.703−06
21	89	6.030−06	5.321−06	4.891−06	4.534−06	4.383−06	3.816−06	3.763−06	3.806−06
21	90	2.589−04	2.171−04	1.968−04	1.794−04	1.637−04	1.388−04	1.353−04	1.351−04
21	91	3.405−05	2.303−05	1.915−05	1.572−05	1.056−05	5.818−06	4.790−06	4.102−06
21	92	4.810−05	4.144−05	3.765−05	3.441−05	3.220−05	2.727−05	2.656−05	2.658−05
21	93	6.979−05	8.310−05	8.906−05	9.523−05	1.092−04	1.287−04	1.387−04	1.499−04
21	94	1.056−05	9.428−06	8.916−06	8.499−06	8.278−06	7.772−06	7.826−06	8.011−06
21	95	5.664−04	4.981−04	4.563−04	4.205−04	4.002−04	3.458−04	3.388−04	3.405−04
21	96	1.046−04	9.364−05	8.675−05	8.086−05	7.787−05	6.929−05	6.841−05	6.908−05
21	97	4.170−05	3.659−05	3.365−05	3.114−05	2.964−05	2.596−05	2.557−05	2.578−05
21	98	3.280−07	2.029−07	1.650−07	1.332−07	8.704−08	4.727−08	4.111−08	3.877−08
21	99	2.552−04	2.230−04	2.047−04	1.890−04	1.789−04	1.558−04	1.530−04	1.539−04
21	100	3.328−04	2.936−04	2.698−04	2.495−04	2.383−04	2.078−04	2.042−04	2.056−04
21	101	1.618−04	1.427−04	1.312−04	1.213−04	1.155−04	1.008−04	9.905−05	9.965−05
21	102	2.069−04	1.833−04	1.677−04	1.545−04	1.483−04	1.273−04	1.247−04	1.253−04
21	103	8.083−05	6.798−05	6.160−05	5.602−05	5.071−05	4.289−05	4.161−05	4.138−05
21	104	1.424−05	1.231−05	1.126−05	1.036−05	9.665−06	8.393−06	8.221−06	8.245−06
21	105	3.231−05	2.928−05	2.745−05	2.584−05	2.497−05	2.295−05	2.301−05	2.340−05
21	106	9.192−05	1.073−04	1.145−04	1.225−04	1.405−04	1.696−04	1.826−04	1.977−04
21	107	3.674−07	3.236−07	3.067−07	2.931−07	2.851−07	2.709−07	2.738−07	2.813−07
21	108	3.152−04	3.667−04	3.909−04	4.174−04	4.773−04	5.740−04	6.181−04	6.687−04
21	109	5.596−05	6.514−05	6.945−05	7.417−05	8.484−05	1.021−04	1.100−04	1.190−04
21	110	1.896−07	1.264−07	1.059−07	8.781−08	5.917−08	3.487−08	3.004−08	2.700−08
21	111	1.602−06	1.821−06	1.927−06	2.044−06	2.314−06	2.761−06	2.970−06	3.209−06
21	112	8.884−06	1.044−05	1.118−05	1.200−05	1.387−05	1.689−05	1.824−05	1.980−05
21	113	3.488−05	4.064−05	4.340−05	4.647−05	5.349−05	6.489−05	7.002−05	7.595−05
21	114	2.129−06	1.816−06	1.639−06	1.491−06	1.433−06	1.179−06	1.153−06	1.163−06
21	115	1.393−07	8.337−08	6.690−08	5.303−08	3.168−08	1.504−08	1.223−08	1.097−08
21	116	2.418−04	2.177−04	2.024−04	1.894−04	1.839−04	1.651−04	1.638−04	1.660−04
21	117	2.695−04	2.418−04	2.241−04	2.091−04	2.019−04	1.798−04	1.776−04	1.795−04
21	118	5.625−05	5.059−05	4.688−05	4.372−05	4.221−05	3.759−05	3.711−05	3.748−05
21	119	3.551−04	3.154−04	2.910−04	2.702−04	2.597−04	2.288−04	2.256−04	2.277−04
21	120	1.498−05	1.753−05	1.874−05	2.009−05	2.318−05	2.817−05	3.041−05	3.301−05
21	121	6.620−05	5.950−05	5.504−05	5.122−05	4.943−05	4.377−05	4.314−05	4.351−05
21	122	2.825−05	2.628−05	2.499−05	2.377−05	2.279−05	2.171−05	2.198−05	2.235−05
21	123	2.287−05	1.986−05	1.817−05	1.670−05	1.551−05	1.346−05	1.315−05	1.314−05
21	124	2.882−04	2.760−04	2.700−04	2.637−04	2.576−04	2.620−04	2.710−04	2.794−04
21	125	6.862−06	6.151−06	5.695−06	5.300−06	5.049−06	4.503−06	4.431−06	4.456−06
22	23	2.845−04	2.413−04	2.241−04	2.109−04	2.086−04	1.845−04	1.864−04	1.926−04
22	24	1.354−05	1.306−05	1.300−05	1.299−05	1.313−05	1.357−05	1.393−05	1.442−05
22	25	1.725−04	1.208−04	1.033−04	8.912−05	7.656−05	5.445−05	5.288−05	5.403−05
22	26	4.675−05	3.476−05	3.065−05	2.697−05	2.112−05	1.622−05	1.529−05	1.477−05
22	27	1.073−05	7.167−06	6.110−06	5.193−06	3.602−06	2.723−06	2.545−06	2.456−06
22	28	1.355−05	1.037−05	9.373−06	8.507−06	7.114−06	6.202−06	6.072−06	6.069−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
22	29	4.870−04	5.536−04	5.780−04	6.026−04	6.525−04	7.420−04	7.810−04	8.273−04
22	30	2.594−04	2.008−04	1.789−04	1.610−04	1.463−04	1.223−04	1.222−04	1.251−04
22	31	2.040−04	1.899−04	1.858−04	1.830−04	1.823−04	1.831−04	1.871−04	1.932−04
22	32	1.787−03	2.128−03	2.266−03	2.406−03	2.714−03	3.132−03	3.343−03	3.580−03
22	33	1.431−02	1.697−02	1.806−02	1.917−02	2.162−02	2.507−02	2.676−02	2.869−02
22	34	3.559−03	3.666−03	3.725−03	3.795−03	4.018−03	4.411−03	4.657−03	4.948−03
22	35	2.437−02	2.839−02	3.006−02	3.176−02	3.557−02	4.078−02	4.352−02	4.660−02
22	36	1.106−02	1.302−02	1.384−02	1.466−02	1.649−02	1.897−02	2.027−02	2.172−02
22	37	1.601−05	1.144−05	9.885−06	8.511−06	6.430−06	4.535−06	4.187−06	3.992−06
22	38	2.459−02	2.811−02	2.958−02	3.103−02	3.441−02	3.858−02	4.110−02	4.383−02
22	39	1.907−06	1.382−06	1.176−06	9.968−07	7.852−07	5.023−07	4.530−07	4.284−07
22	40	1.709−05	1.357−05	1.225−05	1.114−05	9.899−06	8.312−06	8.196−06	8.315−06
22	41	2.613−02	3.091−02	3.291−02	3.493−02	3.943−02	4.553−02	4.870−02	5.224−02
22	42	4.220−02	4.972−02	5.288−02	5.606−02	6.320−02	7.277−02	7.782−02	8.344−02
22	43	6.101−05	4.488−05	3.854−05	3.287−05	2.509−05	1.668−05	1.491−05	1.380−05
22	44	8.406−05	7.586−05	7.198−05	6.904−05	7.017−05	6.433−05	6.521−05	6.739−05
22	45	1.601−04	1.330−04	1.232−04	1.143−04	1.030−04	9.030−05	9.022−05	9.124−05
22	46	1.921−05	1.435−05	1.228−05	1.046−05	8.284−06	5.435−06	4.852−06	4.519−06
22	47	3.301−05	2.414−05	2.057−05	1.728−05	1.272−05	8.442−06	8.144−06	8.030−06
22	48	2.901−06	2.262−06	2.019−06	1.805−06	1.501−06	1.226−06	1.171−06	1.147−06
22	49	6.104−06	4.286−06	3.613−06	3.024−06	2.232−06	1.365−06	1.195−06	1.096−06
22	50	4.176−03	2.891−03	2.416−03	1.976−03	1.253−03	5.849−04	4.212−04	2.899−04
22	51	5.833−03	6.959−03	7.443−03	7.933−03	9.026−03	1.051−02	1.128−02	1.214−02
22	52	2.498−03	2.176−03	2.067−03	1.970−03	1.855−03	1.805−03	1.855−03	1.928−03
22	53	1.965−04	1.986−04	2.008−04	2.037−04	2.146−04	2.344−04	2.479−04	2.638−04
22	54	1.776−05	1.228−05	1.026−05	8.392−06	5.320−06	2.482−06	1.788−06	1.233−06
22	55	9.242−06	5.625−06	4.587−06	3.695−06	2.149−06	1.220−06	1.038−06	9.330−07
22	56	9.972−05	7.692−05	6.921−05	6.303−05	5.781−05	4.894−05	4.881−05	5.011−05
22	57	2.103−06	1.474−06	1.244−06	1.033−06	6.938−07	3.752−07	3.015−07	2.452−07
22	58	1.639−02	1.846−02	1.939−02	2.036−02	2.267−02	2.596−02	2.776−02	2.979−02
22	59	6.838−03	7.445−03	7.734−03	8.043−03	8.823−03	9.996−03	1.066−02	1.142−02
22	60	1.890−04	1.560−04	1.445−04	1.346−04	1.181−04	1.140−04	1.140−04	1.157−04
22	61	3.240−03	2.935−03	2.840−03	2.764−03	2.708−03	2.784−03	2.900−03	3.053−03
22	62	1.116−04	1.004−04	9.513−05	9.062−05	8.645−05	8.122−05	8.105−05	8.223−05
22	63	8.049−04	5.573−04	4.657−04	3.811−04	2.418−04	1.130−04	8.142−05	5.611−05
22	64	1.518−04	1.421−04	1.363−04	1.313−04	1.264−04	1.218−04	1.216−04	1.231−04
22	65	1.161−05	1.089−05	1.051−05	1.020−05	9.963−06	9.685−06	9.748−06	9.943−06
22	66	5.268−03	6.315−03	6.771−03	7.236−03	8.276−03	9.708−03	1.044−02	1.125−02
22	67	1.278−05	1.213−05	1.172−05	1.137−05	1.109−05	1.079−05	1.083−05	1.102−05
22	68	2.551−05	2.239−05	2.131−05	2.044−05	1.962−05	1.904−05	1.934−05	1.990−05
22	69	4.646−03	5.548−03	5.946−03	6.361−03	7.291−03	8.629−03	9.292−03	1.004−02
22	70	4.426−01	5.300−01	5.682−01	6.070−01	6.940−01	8.115−01	8.726−01	9.403−01
22	71	1.601−05	1.546−05	1.517−05	1.494−05	1.487−05	1.488−05	1.509−05	1.547−05
22	72	1.705−02	2.038−02	2.184−02	2.334−02	2.670−02	3.134−02	3.372−02	3.636−02
22	73	5.924−06	4.962−06	4.569−06	4.256−06	4.109−06	3.637−06	3.646−06	3.744−06
22	74	1.312−05	8.517−06	7.087−06	5.861−06	4.022−06	2.429−06	2.168−06	2.045−06
22	75	1.622−06	1.044−06	8.702−07	7.243−07	5.152−07	3.325−07	3.080−07	3.021−07
22	76	3.990−01	4.777−01	5.122−01	5.477−01	6.272−01	7.372−01	7.933−01	8.559−01
22	77	5.435−02	6.505−02	6.977−02	7.464−02	8.555−02	1.008−01	1.085−01	1.172−01
22	78	2.457−01	2.941−01	3.155−01	3.374−01	3.867−01	4.554−01	4.903−01	5.292−01

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
22	79	4.763−04	4.324−04	4.142−04	3.977−04	3.598−04	3.720−04	3.711−04	3.744−04
22	80	2.728−05	3.172−05	3.371−05	3.570−05	4.034−05	4.610−05	4.949−05	5.314−05
22	81	3.043−04	3.632−04	3.894−04	4.165−04	4.776−04	5.638−04	6.073−04	6.562−04
22	82	4.475−07	3.149−07	2.658−07	2.206−07	1.482−07	7.899−08	6.286−08	5.043−08
22	83	2.215−04	2.646−04	2.837−04	3.037−04	3.484−04	4.121−04	4.441−04	4.799−04
22	84	4.963−06	5.787−06	6.159−06	6.535−06	7.403−06	8.537−06	9.174−06	9.869−06
22	85	2.958−03	3.536−03	3.792−03	4.054−03	4.645−03	5.449−03	5.867−03	6.331−03
22	86	7.418−05	8.850−05	9.492−05	1.017−04	1.168−04	1.388−04	1.497−04	1.620−04
22	87	8.472−04	1.012−03	1.085−03	1.161−03	1.333−03	1.574−03	1.697−03	1.834−03
22	88	1.492−05	1.292−05	1.183−05	1.091−05	1.038−05	8.983−06	8.843−06	8.928−06
22	89	2.190−05	1.891−05	1.735−05	1.604−05	1.519−05	1.324−05	1.306−05	1.319−05
22	90	3.041−05	2.681−05	2.476−05	2.302−05	2.173−05	1.943−05	1.913−05	1.926−05
22	91	9.729−07	8.795−07	8.259−07	7.830−07	7.756−07	7.124−07	7.143−07	7.307−07
22	92	1.262−04	8.513−05	7.080−05	5.814−05	3.899−05	2.158−05	1.782−05	1.531−05
22	93	3.821−07	3.409−07	3.224−07	3.082−07	3.102−07	2.838−07	2.872−07	2.964−07
22	94	1.202−05	9.884−06	8.726−06	7.721−06	6.862−06	5.256−06	4.950−06	4.828−06
22	95	1.891−04	1.686−04	1.563−04	1.459−04	1.401−04	1.253−04	1.239−04	1.253−04
22	96	1.091−04	8.080−05	7.008−05	6.069−05	4.811−05	3.513−05	3.264−05	3.138−05
22	97	1.081−04	8.680−05	7.763−05	6.968−05	6.137−05	5.008−05	4.836−05	4.802−05
22	98	8.790−04	7.702−04	7.049−04	6.489−04	6.171−04	5.318−04	5.210−04	5.236−04
22	99	2.691−04	2.386−04	2.202−04	2.044−04	1.963−04	1.730−04	1.707−04	1.724−04
22	100	2.562−05	2.162−05	1.953−05	1.771−05	1.611−05	1.348−05	1.304−05	1.296−05
22	101	1.928−05	1.688−05	1.547−05	1.426−05	1.352−05	1.171−05	1.148−05	1.153−05
22	102	5.608−04	4.956−04	4.558−04	4.216−04	4.014−04	3.509−04	3.446−04	3.466−04
22	103	3.558−04	3.148−04	2.905−04	2.698−04	2.583−04	2.279−04	2.248−04	2.269−04
22	104	1.215−04	1.064−04	9.730−05	8.949−05	8.457−05	7.292−05	7.132−05	7.153−05
22	105	2.999−04	2.633−04	2.419−04	2.236−04	2.127−04	1.856−04	1.824−04	1.837−04
22	106	2.585−06	3.003−06	3.202−06	3.424−06	3.930−06	4.750−06	5.119−06	5.549−06
22	107	1.474−05	1.250−05	1.131−05	1.028−05	9.391−06	7.910−06	7.664−06	7.624−06
22	108	7.219−05	8.486−05	9.080−05	9.736−05	1.122−04	1.359−04	1.464−04	1.587−04
22	109	7.733−05	8.996−05	9.590−05	1.025−04	1.173−04	1.412−04	1.520−04	1.645−04
22	110	4.623−04	5.384−04	5.741−04	6.133−04	7.016−04	8.442−04	9.092−04	9.839−04
22	111	2.186−07	1.530−07	1.290−07	1.069−07	7.102−08	3.793−08	3.012−08	2.406−08
22	112	3.323−05	3.853−05	4.105−05	4.382−05	5.013−05	6.035−05	6.501−05	7.036−05
22	113	6.359−08	4.072−08	3.383−08	2.800−08	1.934−08	1.202−08	1.093−08	1.055−08
22	114	4.028−04	3.602−04	3.333−04	3.102−04	2.982−04	2.647−04	2.610−04	2.633−04
22	115	6.147−04	5.489−04	5.070−04	4.713−04	4.554−04	4.013−04	3.958−04	3.998−04
22	116	1.120−05	1.009−05	9.408−06	8.841−06	8.687−06	7.829−06	7.795−06	7.934−06
22	117	9.976−05	9.033−05	8.442−05	7.944−05	7.767−05	7.061−05	7.043−05	7.164−05
22	118	7.406−05	6.683−05	6.192−05	5.772−05	5.586−05	4.962−05	4.896−05	4.942−05
22	119	1.995−05	1.775−05	1.636−05	1.515−05	1.423−05	1.258−05	1.232−05	1.233−05
22	120	3.651−05	4.256−05	4.546−05	4.868−05	5.608−05	6.808−05	7.348−05	7.974−05
22	121	6.680−05	5.990−05	5.541−05	5.159−05	4.986−05	4.414−05	4.356−05	4.399−05
22	122	1.940−04	1.736−04	1.606−04	1.494−04	1.437−04	1.273−04	1.255−04	1.266−04
22	123	2.470−04	2.211−04	2.053−04	1.917−04	1.843−04	1.653−04	1.639−04	1.657−04
22	124	5.144−06	4.413−06	4.036−06	3.711−06	3.454−06	2.999−06	2.939−06	2.950−06
22	125	4.728−04	4.524−04	4.422−04	4.313−04	4.204−04	4.264−04	4.413−04	4.545−04
23	24	4.004−02	4.602−02	4.798−02	4.997−02	5.475−02	6.093−02	6.399−02	6.767−02
23	25	3.531−01	4.080−01	4.272−01	4.469−01	4.924−01	5.554−01	5.856−01	6.216−01
23	26	1.398−01	1.620−01	1.702−01	1.787−01	1.981−01	2.260−01	2.392−01	2.549−01

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
23	27	1.340−01	1.551−01	1.629−01	1.709−01	1.894−01	2.159−01	2.285−01	2.433−01
23	28	4.312−01	5.016−01	5.282−01	5.558−01	6.176−01	7.089−01	7.516−01	8.020−01
23	29	6.982−04	5.564−04	4.908−04	4.343−04	3.784−04	2.902−04	2.750−04	2.696−04
23	30	1.009−03	5.767−04	4.537−04	3.483−04	1.673−04	5.450−05	3.187−05	1.776−05
23	31	8.095−01	9.416−01	9.919−01	1.044+00	1.162+00	1.336+00	1.418+00	1.514+00
23	32	1.027−03	8.004−04	7.277−04	6.673−04	5.917−04	5.245−04	5.221−04	5.313−04
23	33	1.236−02	9.983−03	8.881−03	7.924−03	6.974−03	5.490−03	5.244−03	5.165−03
23	34	3.459−03	3.109−03	3.019−03	2.952−03	2.881−03	2.892−03	2.949−03	3.042−03
23	35	6.003−03	5.670−03	5.591−03	5.542−03	5.537−03	5.649−03	5.776−03	5.966−03
23	36	6.793−04	4.100−04	3.332−04	2.678−04	1.591−04	8.712−05	7.460−05	6.848−05
23	37	3.270−04	1.864−04	1.465−04	1.125−04	5.560−05	1.755−05	1.057−05	6.639−06
23	38	1.280−03	7.283−04	5.713−04	4.378−04	2.142−04	6.469−05	3.706−05	2.143−05
23	39	1.777−03	2.107−03	2.246−03	2.387−03	2.700−03	3.137−03	3.357−03	3.605−03
23	40	1.048−04	6.672−05	5.438−05	4.338−05	2.500−05	1.046−05	7.155−06	4.713−06
23	41	3.168−02	3.142−02	3.141−02	3.151−02	3.212−02	3.320−02	3.402−02	3.516−02
23	42	4.612−02	4.571−02	4.574−02	4.591−02	4.694−02	4.857−02	4.982−02	5.155−02
23	43	6.010−07	5.513−07	5.260−07	5.075−07	5.227−07	4.837−07	4.917−07	5.092−07
23	44	2.007−04	1.345−04	1.113−04	9.026−05	5.567−05	2.586−05	1.861−05	1.304−05
23	45	9.669−03	8.460−03	7.960−03	7.547−03	7.234−03	6.723−03	6.748−03	6.892−03
23	46	6.647−03	7.951−03	8.503−03	9.071−03	1.032−02	1.211−02	1.299−02	1.398−02
23	47	6.854−06	4.815−06	4.082−06	3.416−06	2.367−06	1.383−06	1.165−06	1.007−06
23	48	1.093−01	1.311−01	1.404−01	1.498−01	1.708−01	1.998−01	2.143−01	2.307−01
23	49	6.221−04	6.902−04	7.212−04	7.546−04	8.354−04	9.651−04	1.032−03	1.108−03
23	50	4.124−07	3.105−07	2.707−07	2.392−07	2.242−07	1.677−07	1.648−07	1.695−07
23	51	1.279−04	1.266−04	1.265−04	1.268−04	1.293−04	1.335−04	1.367−04	1.413−04
23	52	1.776−05	1.011−05	7.933−06	6.080−06	2.981−06	9.050−07	5.204−07	3.026−07
23	53	8.884−05	8.846−05	8.857−05	8.898−05	9.127−05	9.440−05	9.685−05	1.002−04
23	54	2.955−06	2.447−06	2.290−06	2.173−06	2.145−06	2.072−06	2.170−06	2.296−06
23	55	4.103−03	4.913−03	5.264−03	5.630−03	6.440−03	7.634−03	8.209−03	8.863−03
23	56	2.008−02	2.409−02	2.581−02	2.760−02	3.155−02	3.722−02	4.001−02	4.315−02
23	57	1.936−05	1.683−05	1.624−05	1.593−05	1.650−05	1.886−05	2.049−05	2.215−05
23	58	2.617−04	2.629−04	2.637−04	2.652−04	2.719−04	2.816−04	2.886−04	2.983−04
23	59	7.911−04	7.905−04	7.923−04	7.967−04	8.191−04	8.479−04	8.702−04	9.009−04
23	60	7.945−05	5.513−05	4.625−05	3.809−05	2.486−05	1.257−05	9.665−06	7.402−06
23	61	2.410−05	1.378−05	1.083−05	8.318−06	4.149−06	1.311−06	7.891−07	4.965−07
23	62	1.278−02	1.529−02	1.638−02	1.751−02	2.002−02	2.355−02	2.533−02	2.731−02
23	63	6.456−06	4.787−06	4.307−06	3.904−06	3.283−06	2.939−06	2.928−06	2.972−06
23	64	7.800−03	9.357−03	1.004−02	1.074−02	1.230−02	1.452−02	1.562−02	1.686−02
23	65	6.224−03	7.069−03	7.452−03	7.850−03	8.787−03	1.013−02	1.085−02	1.166−02
23	66	1.640−05	1.272−05	1.104−05	9.528−06	7.382−06	5.381−06	4.803−06	4.410−06
23	67	9.419−02	1.129−01	1.211−01	1.296−01	1.484−01	1.746−01	1.878−01	2.027−01
23	68	7.432−04	5.134−04	4.287−04	3.505−04	2.219−04	1.032−04	7.421−05	5.102−05
23	69	3.145−04	3.176−04	3.191−04	3.215−04	3.312−04	3.436−04	3.525−04	3.648−04
23	70	3.363−06	2.105−06	1.717−06	1.387−06	9.038−07	4.815−07	4.124−07	3.809−07
23	71	1.042−01	1.248−01	1.338−01	1.431−01	1.639−01	1.931−01	2.079−01	2.244−01
23	72	4.843−05	4.882−05	4.901−05	4.934−05	5.078−05	5.263−05	5.399−05	5.586−05
23	73	4.872−05	5.309−05	5.553−05	5.831−05	6.505−05	7.658−05	8.231−05	8.894−05
23	74	3.139−06	2.553−06	2.302−06	2.086−06	1.893−06	1.675−06	1.712−06	1.773−06
23	75	3.303−06	2.424−06	2.145−06	1.911−06	1.630−06	1.503−06	1.575−06	1.663−06
23	76	1.232−06	8.913−07	7.586−07	6.448−07	5.090−07	3.471−07	3.159−07	3.018−07

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
23	77	1.188−05	1.009−05	9.343−06	8.697−06	7.962−06	7.151−06	7.076−06	7.132−06
23	78	1.464−05	1.190−05	1.053−05	9.318−06	8.010−06	6.216−06	5.832−06	5.641−06
23	79	4.789−05	4.098−05	3.820−05	3.595−05	3.473−05	3.104−05	3.115−05	3.192−05
23	80	3.029−05	2.710−05	2.566−05	2.445−05	2.348−05	2.210−05	2.217−05	2.260−05
23	81	4.907−06	3.387−06	2.835−06	2.329−06	1.499−06	7.527−07	5.740−07	4.340−07
23	82	2.141−06	1.537−06	1.326−06	1.146−06	9.318−07	7.417−07	7.487−07	7.712−07
23	83	6.127−06	4.241−06	3.619−06	3.071−06	2.210−06	1.504−06	1.365−06	1.284−06
23	84	8.153−05	7.066−05	6.507−05	6.029−05	5.640−05	4.977−05	4.898−05	4.929−05
23	85	4.348−06	2.965−06	2.464−06	2.005−06	1.253−06	5.743−07	4.111−07	2.823−07
23	86	3.736−05	3.368−05	3.153−05	2.970−05	2.850−05	2.615−05	2.596−05	2.627−05
23	87	4.508−05	4.143−05	3.955−05	3.801−05	3.729−05	3.568−05	3.593−05	3.675−05
23	88	1.259−04	1.484−04	1.586−04	1.694−04	1.938−04	2.295−04	2.473−04	2.673−04
23	89	1.130−04	7.807−05	6.523−05	5.337−05	3.390−05	1.593−05	1.156−05	8.064−06
23	90	6.755−06	6.024−06	5.715−06	5.479−06	5.499−06	5.099−06	5.170−06	5.339−06
23	91	5.332−06	5.870−06	6.166−06	6.503−06	7.315−06	8.685−06	9.365−06	1.016−05
23	92	4.463−06	3.081−06	2.665−06	2.317−06	1.834−06	1.415−06	1.372−06	1.380−06
23	93	2.773−05	2.495−05	2.423−05	2.392−05	2.526−05	3.045−05	3.375−05	3.695−05
23	94	4.361−03	5.171−03	5.534−03	5.909−03	6.760−03	7.945−03	8.557−03	9.239−03
23	95	9.676−06	8.573−06	8.120−06	7.777−06	7.800−06	7.236−06	7.340−06	7.587−06
23	96	2.578−06	1.950−06	1.752−06	1.590−06	1.405−06	1.194−06	1.187−06	1.212−06
23	97	5.065−05	5.609−05	5.869−05	6.136−05	6.799−05	7.680−05	8.219−05	8.809−05
23	98	3.763−06	2.160−06	1.701−06	1.309−06	6.495−07	2.049−07	1.204−07	7.078−08
23	99	8.046−06	6.852−06	6.377−06	5.980−06	5.707−06	5.078−06	5.080−06	5.187−06
23	100	5.076−06	5.256−06	5.415−06	5.621−06	6.166−06	7.278−06	7.849−06	8.528−06
23	101	2.461−06	2.511−06	2.574−06	2.659−06	2.892−06	3.398−06	3.672−06	3.996−06
23	102	2.400−05	2.335−05	2.274−05	2.234−05	2.353−05	2.259−05	2.307−05	2.392−05
23	103	3.894−05	3.720−05	3.599−05	3.509−05	3.641−05	3.454−05	3.514−05	3.634−05
23	104	1.056−04	1.234−04	1.319−04	1.413−04	1.629−04	1.979−04	2.135−04	2.316−04
23	105	6.464−04	7.632−04	8.179−04	8.784−04	1.015−03	1.234−03	1.330−03	1.442−03
23	106	1.673−05	1.527−05	1.439−05	1.365−05	1.335−05	1.237−05	1.236−05	1.258−05
23	107	1.880−04	2.079−04	2.180−04	2.296−04	2.574−04	3.045−04	3.266−04	3.522−04
23	108	2.172−05	1.916−05	1.775−05	1.654−05	1.573−05	1.408−05	1.391−05	1.405−05
23	109	7.283−07	5.841−07	5.172−07	4.575−07	3.853−07	3.007−07	2.822−07	2.725−07
23	110	9.001−07	6.016−07	4.965−07	4.012−07	2.465−07	1.092−07	7.694−08	5.212−08
23	111	4.748−07	3.744−07	3.410−07	3.125−07	2.829−07	2.964−07	3.225−07	3.467−07
23	112	2.236−06	1.812−06	1.632−06	1.473−06	1.292−06	1.071−06	1.036−06	1.027−06
23	113	4.291−06	3.896−06	3.731−06	3.569−06	3.425−06	3.556−06	3.771−06	3.942−06
23	114	3.073−08	2.062−08	1.773−08	1.530−08	1.145−08	8.895−09	8.565−09	8.549−09
23	115	2.566−09	1.498−09	1.183−09	9.148−10	4.742−10	1.549−10	9.179−11	5.439−11
23	116	6.112−07	6.788−07	7.147−07	7.566−07	8.583−07	1.037−06	1.121−06	1.221−06
23	117	3.370−07	2.569−07	2.272−07	2.006−07	1.630−07	1.232−07	1.162−07	1.126−07
23	118	3.032−05	3.564−05	3.816−05	4.096−05	4.733−05	5.756−05	6.212−05	6.738−05
23	119	1.548−06	1.514−06	1.482−06	1.461−06	1.535−06	1.492−06	1.524−06	1.580−06
23	120	7.678−07	6.185−07	5.659−07	5.198−07	4.566−07	3.978−07	3.914−07	3.926−07
23	121	1.036−05	1.216−05	1.303−05	1.400−05	1.623−05	1.987−05	2.151−05	2.342−05
23	122	1.157−05	1.344−05	1.433−05	1.533−05	1.760−05	2.129−05	2.297−05	2.490−05
23	123	1.113−07	9.087−08	8.381−08	7.814−08	7.414−08	6.620−08	6.659−08	6.851−08
23	124	5.873−07	6.794−07	7.260−07	7.798−07	9.063−07	1.116−06	1.206−06	1.312−06
23	125	1.725−07	1.271−07	1.087−07	9.246−08	7.207−08	4.740−08	4.228−08	3.934−08
24	25	8.691−03	6.144−03	5.279−03	4.506−03	3.273−03	2.215−03	1.999−03	1.861−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
24	26	5.345−02	5.108−02	5.064−02	5.044−02	5.086−02	5.225−02	5.359−02	5.547−02
24	27	1.113−03	7.594−04	6.312−04	5.136−04	3.207−04	1.463−04	1.042−04	7.072−05
24	28	1.160−04	6.679−05	5.273−05	4.071−05	2.052−05	7.178−06	4.669−06	3.213−06
24	29	1.645−04	1.475−04	1.394−04	1.334−04	1.364−04	1.238−04	1.257−04	1.302−04
24	30	6.034−03	5.780−03	5.720−03	5.690−03	5.759−03	5.887−03	6.036−03	6.248−03
24	31	3.431−04	2.208−04	1.860−04	1.565−04	1.082−04	7.716−05	7.252−05	7.111−05
24	32	8.651−01	1.003+00	1.056+00	1.110+00	1.235+00	1.417+00	1.502+00	1.604+00
24	33	2.899−02	3.374−02	3.556−02	3.745−02	4.165−02	4.795−02	5.088−02	5.433−02
24	34	5.749−03	5.026−03	4.719−03	4.485−03	4.511−03	4.078−03	4.131−03	4.274−03
24	35	7.465−03	6.734−03	6.383−03	6.123−03	6.275−03	5.744−03	5.834−03	6.043−03
24	36	5.840−03	6.785−03	7.191−03	7.613−03	8.551−03	9.934−03	1.061−02	1.139−02
24	37	4.003−02	4.769−02	5.086−02	5.410−02	6.120−02	7.137−02	7.630−02	8.192−02
24	38	1.064−03	9.891−04	9.456−04	9.145−04	9.529−04	8.813−04	8.970−04	9.303−04
24	39	8.480−03	6.991−03	6.180−03	5.478−03	4.907−03	3.749−03	3.539−03	3.461−03
24	40	3.847−03	3.147−03	2.773−03	2.448−03	2.174−03	1.642−03	1.543−03	1.504−03
24	41	2.020−02	2.393−02	2.550−02	2.712−02	3.069−02	3.588−02	3.839−02	4.126−02
24	42	7.724−04	5.306−04	4.573−04	3.962−04	3.139−04	2.378−04	2.306−04	2.323−04
24	43	9.072−07	5.162−07	4.055−07	3.116−07	1.545−07	5.220−08	3.297−08	2.228−08
24	44	4.325−04	5.151−04	5.498−04	5.854−04	6.639−04	7.757−04	8.307−04	8.931−04
24	45	1.796−03	2.130−03	2.272−03	2.419−03	2.744−03	3.220−03	3.450−03	3.713−03
24	46	2.538−04	2.165−04	2.009−04	1.878−04	1.762−04	1.592−04	1.585−04	1.610−04
24	47	8.890−05	7.273−05	6.463−05	5.749−05	4.995−05	3.875−05	3.646−05	3.538−05
24	48	2.041−05	1.397−05	1.205−05	1.042−05	7.718−06	6.830−06	6.904−06	7.082−06
24	49	7.600−06	5.109−06	4.260−06	3.498−06	2.261−06	1.322−06	1.139−06	1.010−06
24	50	9.058−07	5.152−07	4.046−07	3.105−07	1.514−07	4.657−08	2.692−08	1.568−08
24	51	4.016−05	3.160−05	2.862−05	2.616−05	2.384−05	2.024−05	2.012−05	2.052−05
24	52	1.647−05	1.565−05	1.509−05	1.470−05	1.544−05	1.450−05	1.478−05	1.534−05
24	53	1.478−03	1.771−03	1.896−03	2.023−03	2.303−03	2.682−03	2.877−03	3.094−03
24	54	4.576−03	5.489−03	5.881−03	6.281−03	7.168−03	8.409−03	9.029−03	9.725−03
24	55	5.543−04	3.689−04	3.039−04	2.452−04	1.498−04	6.545−05	4.560−05	3.043−05
24	56	2.008−03	1.396−03	1.167−03	9.607−04	6.460−04	3.401−04	2.691−04	2.171−04
24	57	6.082−03	6.998−03	7.399−03	7.806−03	8.747−03	1.002−02	1.071−02	1.149−02
24	58	3.897−05	3.266−05	3.034−05	2.852−05	2.776−05	2.492−05	2.516−05	2.597−05
24	59	3.742−04	4.417−04	4.716−04	5.026−04	5.720−04	6.730−04	7.229−04	7.795−04
24	60	2.773−05	2.541−05	2.403−05	2.283−05	2.182−05	2.019−05	2.002−05	2.021−05
24	61	4.818−05	4.656−05	4.511−05	4.416−05	4.667−05	4.413−05	4.504−05	4.674−05
24	62	5.347−05	4.401−05	3.908−05	3.472−05	3.034−05	2.324−05	2.182−05	2.115−05
24	63	2.153−03	2.579−03	2.764−03	2.958−03	3.386−03	4.014−03	4.317−03	4.662−03
24	64	1.397−05	9.469−06	7.856−06	6.388−06	4.013−06	1.899−06	1.400−06	1.014−06
24	65	1.015−05	8.657−06	8.054−06	7.565−06	7.267−06	6.599−06	6.624−06	6.785−06
24	66	7.056−03	8.464−03	9.078−03	9.710−03	1.112−02	1.311−02	1.410−02	1.521−02
24	67	5.609−06	5.067−06	4.961−06	4.916−06	4.930−06	6.389−06	7.069−06	7.703−06
24	68	8.866−06	6.201−06	5.203−06	4.308−06	2.976−06	1.675−06	1.380−06	1.172−06
24	69	1.286−04	9.458−05	8.194−05	7.051−05	5.365−05	3.617−05	3.269−05	3.042−05
24	70	5.088−06	4.807−06	4.632−06	4.511−06	4.707−06	4.436−06	4.520−06	4.687−06
24	71	3.859−05	3.587−05	3.481−05	3.396−05	3.328−05	3.283−05	3.324−05	3.408−05
24	72	1.071−03	1.277−03	1.367−03	1.459−03	1.664−03	1.941−03	2.086−03	2.246−03
24	73	1.119−04	1.096−04	1.090−04	1.089−04	1.107−04	1.134−04	1.161−04	1.200−04
24	74	1.583−02	1.897−02	2.035−02	2.176−02	2.492−02	2.931−02	3.154−02	3.403−02
24	75	7.527−02	9.016−02	9.668−02	1.034−01	1.183−01	1.390−01	1.495−01	1.613−01

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
24	76	4.989−06	3.843−06	3.406−06	3.018−06	2.507−06	1.902−06	1.805−06	1.761−06
24	77	6.569−02	7.844−02	8.403−02	8.975−02	1.026−01	1.202−01	1.293−01	1.394−01
24	78	2.103−02	2.513−02	2.693−02	2.877−02	3.290−02	3.860−02	4.152−02	4.477−02
24	79	4.117−05	3.902−05	3.840−05	3.799−05	3.786−05	3.845−05	3.922−05	4.042−05
24	80	1.260−03	8.701−04	7.265−04	5.940−04	3.762−04	1.753−04	1.262−04	8.698−05
24	81	2.870−05	1.970−05	1.654−05	1.367−05	9.096−06	4.925−06	3.992−06	3.307−06
24	82	1.309−03	1.565−03	1.678−03	1.793−03	2.052−03	2.405−03	2.588−03	2.791−03
24	83	6.651−04	7.921−04	8.492−04	9.093−04	1.045−03	1.245−03	1.344−03	1.455−03
24	84	3.911−04	4.088−04	4.184−04	4.283−04	4.582−04	4.973−04	5.268−04	5.591−04
24	85	6.178−07	5.024−07	4.633−07	4.327−07	4.131−07	3.707−07	3.741−07	3.862−07
24	86	2.519−04	2.972−04	3.170−04	3.366−04	3.811−04	4.359−04	4.672−04	5.009−04
24	87	5.481−05	3.783−05	3.157−05	2.581−05	1.632−05	7.579−06	5.444−06	3.738−06
24	88	1.393−05	1.168−05	1.058−05	9.663−06	9.081−06	7.534−06	7.366−06	7.423−06
24	89	1.531−06	1.166−06	1.043−06	9.370−07	7.918−07	6.591−07	6.423−07	6.418−07
24	90	1.254−04	1.233−04	1.223−04	1.219−04	1.255−04	1.277−04	1.309−04	1.356−04
24	91	4.163−05	3.765−05	3.648−05	3.565−05	3.562−05	3.584−05	3.709−05	3.874−05
24	92	1.485−05	1.053−05	9.023−06	7.796−06	6.672−06	4.794−06	4.629−06	4.695−06
24	93	1.998−05	2.013−05	2.038−05	2.070−05	2.189−05	2.373−05	2.514−05	2.673−05
24	94	1.099−06	7.618−07	6.500−07	5.502−07	3.863−07	2.573−07	2.300−07	2.119−07
24	95	4.935−06	3.365−06	2.807−06	2.310−06	1.565−06	8.333−07	6.799−07	5.748−07
24	96	1.484−05	1.344−05	1.296−05	1.259−05	1.226−05	1.202−05	1.218−05	1.250−05
24	97	5.555−06	4.878−06	4.679−06	4.525−06	4.369−06	4.312−06	4.380−06	4.509−06
24	98	5.683−07	4.482−07	3.977−07	3.582−07	3.480−07	2.741−07	2.717−07	2.800−07
24	99	3.499−05	3.516−05	3.527−05	3.548−05	3.651−05	3.781−05	3.879−05	4.015−05
24	100	4.228−06	3.317−06	2.921−06	2.581−06	2.300−06	1.732−06	1.663−06	1.656−06
24	101	1.541−06	1.146−06	9.964−07	8.516−07	6.292−07	4.369−07	4.146−07	3.842−07
24	102	1.309−06	8.692−07	7.214−07	5.914−07	3.954−07	2.137−07	1.778−07	1.551−07
24	103	7.149−05	7.205−05	7.230−05	7.278−05	7.521−05	7.787−05	7.994−05	8.280−05
24	104	5.184−07	3.634−07	3.080−07	2.563−07	1.724−07	9.830−08	8.497−08	7.321−08
24	105	1.150−05	1.158−05	1.161−05	1.168−05	1.200−05	1.243−05	1.274−05	1.317−05
24	106	2.798−04	3.239−04	3.444−04	3.668−04	4.170−04	4.979−04	5.352−04	5.780−04
24	107	5.923−07	4.014−07	3.359−07	2.772−07	1.826−07	1.028−07	8.533−08	7.300−08
24	108	3.528−05	2.439−05	2.038−05	1.667−05	1.056−05	4.921−06	3.543−06	2.439−06
24	109	1.006−06	6.957−07	5.816−07	4.762−07	3.034−07	1.441−07	1.055−07	7.472−08
24	110	1.127−08	1.042−08	1.003−08	9.743−09	9.980−09	9.482−09	9.655−09	9.994−09
24	111	1.529−06	1.719−06	1.813−06	1.919−06	2.167−06	2.582−06	2.776−06	3.000−06
24	112	6.383−07	7.166−07	7.568−07	8.035−07	9.159−07	1.110−06	1.201−06	1.307−06
24	113	1.245−05	8.519−06	7.146−06	5.915−06	3.967−06	2.320−06	1.973−06	1.737−06
24	114	2.898−08	2.125−08	1.842−08	1.607−08	1.400−08	1.030−08	9.944−09	1.003−08
24	115	8.663−09	6.921−09	6.179−09	5.590−09	5.466−09	4.382−09	4.351−09	4.485−09
24	116	2.725−07	2.177−07	1.973−07	1.793−07	1.551−07	1.319−07	1.287−07	1.282−07
24	117	1.449−06	1.469−06	1.476−06	1.488−06	1.538−06	1.595−06	1.637−06	1.695−06
24	118	1.421−07	1.238−07	1.185−07	1.143−07	1.095−07	1.088−07	1.117−07	1.159−07
24	119	2.778−07	1.850−07	1.542−07	1.277−07	9.108−08	5.433−08	4.814−08	4.515−08
24	120	6.229−07	7.073−07	7.476−07	7.920−07	8.937−07	1.061−06	1.140−06	1.230−06
24	121	8.014−08	5.505−08	4.621−08	3.818−08	2.524−08	1.404−08	1.160−08	9.769−09
24	122	1.212−07	9.767−08	8.837−08	8.029−08	7.153−08	5.945−08	5.811−08	5.822−08
24	123	1.870−07	1.773−07	1.750−07	1.735−07	1.739−07	1.774−07	1.814−07	1.874−07
24	124	4.584−07	3.949−07	3.717−07	3.516−07	3.254−07	3.035−07	3.033−07	3.075−07
24	125	1.976−08	1.509−08	1.314−08	1.152−08	1.040−08	7.618−09	7.354−09	7.416−09

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
25	26	5.596−03	5.322−03	5.260−03	5.225−03	5.262−03	5.377−03	5.511−03	5.702−03
25	27	2.181−03	1.624−03	1.387−03	1.182−03	9.402−04	6.309−04	5.672−04	5.329−04
25	28	2.443−02	2.350−02	2.334−02	2.329−02	2.356−02	2.425−02	2.488−02	2.576−02
25	29	1.301−03	1.485−03	1.550−03	1.618−03	1.777−03	2.004−03	2.113−03	2.243−03
25	30	5.417−02	4.998−02	4.892−02	4.817−02	4.772−02	4.823−02	4.931−02	5.094−02
25	31	3.855−02	3.700−02	3.673−02	3.663−02	3.697−02	3.805−02	3.903−02	4.039−02
25	32	1.234−01	1.426−01	1.498−01	1.572−01	1.742−01	1.987−01	2.104−01	2.242−01
25	33	5.144−04	7.035−04	7.826−04	8.541−04	9.290−04	1.168−03	1.235−03	1.309−03
25	34	1.045+00	1.212+00	1.275+00	1.340+00	1.489+00	1.707+00	1.809+00	1.931+00
25	35	2.829−01	3.361−01	3.576−01	3.795−01	4.278−01	4.951−01	5.283−01	5.660−01
25	36	2.682−01	3.185−01	3.389−01	3.598−01	4.058−01	4.704−01	5.021−01	5.383−01
25	37	3.372−02	3.965−02	4.211−02	4.464−02	5.023−02	5.830−02	6.224−02	6.674−02
25	38	1.049−02	8.906−03	8.289−03	7.808−03	7.700−03	6.879−03	6.951−03	7.180−03
25	39	6.064−03	4.975−03	4.425−03	3.950−03	3.538−03	2.778−03	2.651−03	2.613−03
25	40	1.494−02	1.164−02	1.007−02	8.685−03	7.152−03	4.910−03	4.438−03	4.170−03
25	41	6.172−02	7.219−02	7.651−02	8.099−02	9.121−02	1.054−01	1.125−01	1.207−01
25	42	7.445−02	8.631−02	9.123−02	9.637−02	1.083−01	1.249−01	1.332−01	1.429−01
25	43	1.425−04	1.276−04	1.205−04	1.147−04	1.119−04	1.045−04	1.050−04	1.073−04
25	44	6.650−04	7.959−04	8.501−04	9.046−04	1.025−03	1.186−03	1.269−03	1.361−03
25	45	1.857−03	2.117−03	2.225−03	2.340−03	2.622−03	3.004−03	3.203−03	3.433−03
25	46	4.603−04	3.778−04	3.327−04	2.936−04	2.610−04	1.965−04	1.843−04	1.793−04
25	47	1.260−04	1.103−04	1.039−04	9.827−05	9.144−05	8.473−05	8.431−05	8.522−05
25	48	3.775−04	3.556−04	3.498−04	3.456−04	3.433−04	3.481−04	3.554−04	3.665−04
25	49	1.036−04	8.192−05	7.137−05	6.207−05	5.217−05	3.745−05	3.439−05	3.275−05
25	50	4.685−06	4.139−06	3.906−06	3.730−06	3.759−06	3.441−06	3.489−06	3.609−06
25	51	2.438−04	2.723−04	2.837−04	2.942−04	3.239−04	3.461−04	3.669−04	3.881−04
25	52	1.712−04	1.475−04	1.378−04	1.303−04	1.284−04	1.154−04	1.164−04	1.199−04
25	53	6.795−03	8.144−03	8.720−03	9.309−03	1.061−02	1.244−02	1.335−02	1.437−02
25	54	1.725−03	2.067−03	2.213−03	2.363−03	2.694−03	3.163−03	3.395−03	3.657−03
25	55	3.655−03	2.905−03	2.561−03	2.261−03	1.946−03	1.485−03	1.402−03	1.367−03
25	56	4.352−03	3.354−03	2.909−03	2.518−03	2.068−03	1.461−03	1.339−03	1.273−03
25	57	1.643−01	1.971−01	2.111−01	2.252−01	2.565−01	2.989−01	3.207−01	3.449−01
25	58	2.089−05	1.739−05	1.623−05	1.533−05	1.484−05	1.387−05	1.417−05	1.477−05
25	59	2.558−03	3.034−03	3.241−03	3.459−03	3.945−03	4.669−03	5.016−03	5.414−03
25	60	2.218−04	1.738−04	1.535−04	1.351−04	1.101−04	8.279−05	7.684−05	7.329−05
25	61	2.434−04	2.140−04	2.016−04	1.921−04	1.924−04	1.757−04	1.779−04	1.838−04
25	62	1.389−04	1.100−04	9.690−05	8.522−05	7.108−05	5.334−05	4.970−05	4.774−05
25	63	2.358−03	2.821−03	3.022−03	3.230−03	3.690−03	4.351−03	4.676−03	5.043−03
25	64	8.670−05	6.713−05	5.860−05	5.108−05	4.235−05	3.077−05	2.856−05	2.743−05
25	65	2.539−05	1.791−05	1.536−05	1.309−05	9.488−06	6.401−06	5.778−06	5.380−06
25	66	4.358−03	5.181−03	5.536−03	5.893−03	6.695−03	7.756−03	8.319−03	8.939−03
25	67	1.261−04	1.162−04	1.097−04	1.041−04	1.002−04	9.212−05	9.132−05	9.218−05
25	68	2.060−05	1.620−05	1.469−05	1.336−05	1.145−05	9.769−06	9.560−06	9.546−06
25	69	3.028−03	3.544−03	3.772−03	4.008−03	4.547−03	5.308−03	5.699−03	6.139−03
25	70	1.835−05	1.631−05	1.540−05	1.469−05	1.466−05	1.338−05	1.351−05	1.392−05
25	71	6.138−05	5.741−05	5.618−05	5.533−05	5.501−05	5.883−05	6.130−05	6.415−05
25	72	2.907−04	3.292−04	3.469−04	3.659−04	4.107−04	4.793−04	5.140−04	5.540−04
25	73	1.372−04	1.204−04	1.147−04	1.102−04	1.075−04	1.043−04	1.066−04	1.104−04
25	74	5.610−04	6.088−04	6.326−04	6.592−04	7.260−04	8.350−04	8.930−04	9.603−04
25	75	2.020−02	2.386−02	2.547−02	2.714−02	3.091−02	3.621−02	3.893−02	4.197−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
25	76	2.918−05	2.886−05	2.869−05	2.861−05	2.995−05	3.011−05	3.138−05	3.285−05
25	77	7.040−02	8.385−02	8.974−02	9.578−02	1.094−01	1.281−01	1.377−01	1.485−01
25	78	2.323−02	2.769−02	2.965−02	3.166−02	3.618−02	4.251−02	4.572−02	4.931−02
25	79	6.850−05	6.175−05	5.955−05	5.792−05	5.738−05	5.612−05	5.714−05	5.900−05
25	80	1.707−01	2.034−01	2.178−01	2.325−01	2.656−01	3.110−01	3.345−01	3.605−01
25	81	5.672−05	4.490−05	4.069−05	3.688−05	3.127−05	2.674−05	2.648−05	2.669−05
25	82	1.789−03	2.130−03	2.280−03	2.433−03	2.777−03	3.241−03	3.485−03	3.755−03
25	83	2.245−03	2.667−03	2.852−03	3.039−03	3.460−03	4.013−03	4.310−03	4.636−03
25	84	2.041−03	2.416−03	2.584−03	2.758−03	3.152−03	3.715−03	4.000−03	4.321−03
25	85	5.115−05	3.566−05	3.000−05	2.482−05	1.640−05	8.597−06	6.760−06	5.339−06
25	86	4.103−05	4.166−05	4.232−05	4.321−05	4.619−05	5.176−05	5.516−05	5.913−05
25	87	6.863−04	7.344−04	7.610−04	7.929−04	8.754−04	1.025−03	1.101−03	1.191−03
25	88	5.857−05	5.415−05	5.283−05	5.185−05	5.141−05	5.197−05	5.336−05	5.531−05
25	89	3.573−06	2.672−06	2.320−06	2.009−06	1.605−06	1.146−06	1.059−06	1.012−06
25	90	3.203−05	2.436−05	2.101−05	1.812−05	1.521−05	1.056−05	9.754−06	9.415−06
25	91	8.429−06	7.006−06	6.490−06	6.044−06	5.486−06	4.899−06	4.855−06	4.904−06
25	92	2.877−05	2.467−05	2.283−05	2.135−05	2.075−05	1.851−05	1.852−05	1.898−05
25	93	5.429−05	5.235−05	5.223−05	5.256−05	5.484−05	6.115−05	6.500−05	6.975−05
25	94	1.045−05	9.721−06	9.471−06	9.278−06	9.165−06	9.252−06	9.464−06	9.775−06
25	95	2.821−04	2.719−04	2.669−04	2.637−04	2.692−04	2.693−04	2.751−04	2.844−04
25	96	3.757−05	3.714−05	3.702−05	3.707−05	3.806−05	3.911−05	4.009−05	4.150−05
25	97	1.530−05	1.382−05	1.339−05	1.308−05	1.299−05	1.299−05	1.336−05	1.388−05
25	98	1.478−05	9.434−06	7.776−06	6.391−06	4.527−06	2.728−06	2.483−06	2.421−06
25	99	9.545−06	7.857−06	7.376−06	6.978−06	6.392−06	6.087−06	6.139−06	6.283−06
25	100	2.340−05	2.135−05	2.074−05	2.029−05	2.004−05	2.009−05	2.060−05	2.135−05
25	101	4.083−06	3.122−06	2.726−06	2.398−06	2.162−06	1.613−06	1.561−06	1.576−06
25	102	1.949−04	1.960−04	1.965−04	1.977−04	2.040−04	2.110−04	2.165−04	2.242−04
25	103	7.851−05	7.833−05	7.835−05	7.866−05	8.080−05	8.335−05	8.546−05	8.843−05
25	104	1.247−05	1.240−05	1.236−05	1.237−05	1.256−05	1.292−05	1.319−05	1.360−05
25	105	3.324−05	3.335−05	3.343−05	3.361−05	3.459−05	3.583−05	3.677−05	3.806−05
25	106	5.553−04	6.137−04	6.431−04	6.768−04	7.573−04	8.952−04	9.597−04	1.035−03
25	107	1.898−06	1.425−06	1.254−06	1.101−06	8.610−07	6.610−07	6.167−07	5.904−07
25	108	4.172−03	4.789−03	5.081−03	5.401−03	6.131−03	7.318−03	7.863−03	8.491−03
25	109	7.834−06	8.116−06	8.326−06	8.609−06	9.413−06	1.102−05	1.183−05	1.279−05
25	110	5.593−06	3.856−06	3.219−06	2.631−06	1.665−06	7.761−07	5.595−07	3.868−07
25	111	1.906−05	2.205−05	2.347−05	2.505−05	2.864−05	3.447−05	3.710−05	4.015−05
25	112	4.415−05	5.053−05	5.352−05	5.680−05	6.421−05	7.631−05	8.199−05	8.847−05
25	113	8.872−05	8.251−05	8.118−05	8.067−05	8.240−05	9.048−05	9.560−05	1.021−04
25	114	5.093−07	3.910−07	3.436−07	3.041−07	2.722−07	2.094−07	2.027−07	2.041−07
25	115	1.709−07	1.197−07	1.021−07	8.734−08	7.120−08	4.948−08	4.690−08	4.672−08
25	116	3.433−06	2.970−06	2.735−06	2.534−06	2.397−06	2.120−06	2.101−06	2.128−06
25	117	5.075−06	4.718−06	4.510−06	4.339−06	4.292−06	4.106−06	4.136−06	4.231−06
25	118	5.006−07	3.513−07	2.959−07	2.466−07	1.764−07	1.038−07	8.847−08	7.848−08
25	119	1.813−05	1.847−05	1.857−05	1.870−05	1.922−05	1.991−05	2.039−05	2.106−05
25	120	2.050−06	1.925−06	1.902−06	1.901−06	1.971−06	2.212−06	2.358−06	2.542−06
25	121	6.930−07	5.497−07	4.900−07	4.380−07	3.823−07	3.057−07	2.942−07	2.916−07
25	122	9.311−07	9.367−07	9.170−07	8.814−07	8.509−07	8.025−07	8.390−07	8.471−07
25	123	7.182−06	7.349−06	7.409−06	7.487−06	7.775−06	8.099−06	8.320−06	8.620−06
25	124	2.664−06	2.446−06	2.362−06	2.286−06	2.210−06	2.187−06	2.239−06	2.304−06
25	125	9.447−07	9.401−07	9.362−07	9.363−07	9.640−07	9.879−07	1.012−06	1.047−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
26	27	3.765−03	3.494−03	3.436−03	3.396−03	3.366−03	3.436−03	3.516−03	3.634−03
26	28	2.898−03	1.963−03	1.630−03	1.326−03	8.264−04	3.777−04	2.707−04	1.871−04
26	29	1.024−03	1.021−03	1.010−03	1.007−03	1.067−03	1.098−03	1.141−03	1.202−03
26	30	1.044−02	7.831−03	6.932−03	6.126−03	4.857−03	3.771−03	3.571−03	3.462−03
26	31	7.153−03	5.294−03	4.659−03	4.088−03	3.171−03	2.405−03	2.256−03	2.169−03
26	32	1.394−01	1.569−01	1.629−01	1.693−01	1.858−01	2.071−01	2.181−01	2.314−01
26	33	2.875−02	3.328−02	3.491−02	3.657−02	4.033−02	4.574−02	4.828−02	5.130−02
26	34	6.316−01	7.282−01	7.631−01	7.995−01	8.838−01	1.003+00	1.060+00	1.128+00
26	35	1.170+00	1.353+00	1.421+00	1.492+00	1.654+00	1.887+00	1.998+00	2.129+00
26	36	7.766−02	8.967−02	9.415−02	9.884−02	1.096−01	1.252−01	1.326−01	1.414−01
26	37	6.257−03	7.244−03	7.614−03	8.000−03	8.877−03	1.016−02	1.076−02	1.148−02
26	38	5.003−04	4.479−04	4.234−04	4.053−04	4.137−04	3.767−04	3.824−04	3.960−04
26	39	1.320−03	1.245−03	1.224−03	1.210−03	1.210−03	1.224−03	1.252−03	1.292−03
26	40	7.608−04	5.959−04	5.378−04	4.854−04	4.032−04	3.333−04	3.213−04	3.160−04
26	41	1.183−02	1.355−02	1.425−02	1.499−02	1.674−02	1.911−02	2.034−02	2.175−02
26	42	7.539−02	8.925−02	9.491−02	1.007−01	1.134−01	1.313−01	1.401−01	1.501−01
26	43	1.909−02	1.640−02	1.506−02	1.393−02	1.316−02	1.147−02	1.132−02	1.143−02
26	44	8.852−05	9.993−05	1.048−04	1.100−04	1.219−04	1.401−04	1.493−04	1.599−04
26	45	1.520−03	1.763−03	1.863−03	1.969−03	2.209−03	2.552−03	2.723−03	2.920−03
26	46	7.107−03	6.227−03	5.811−03	5.465−03	5.248−03	4.776−03	4.766−03	4.852−03
26	47	7.272−03	6.001−03	5.296−03	4.686−03	4.201−03	3.189−03	3.002−03	2.932−03
26	48	6.321−04	5.527−04	5.207−04	4.940−04	4.706−04	4.392−04	4.407−04	4.496−04
26	49	1.430−03	1.201−03	1.091−03	9.969−04	9.213−04	7.811−04	7.639−04	7.668−04
26	50	1.147−04	1.027−04	9.717−05	9.307−05	9.487−05	8.690−05	8.823−05	9.138−05
26	51	2.232−03	2.630−03	2.799−03	2.973−03	3.366−03	3.914−03	4.190−03	4.503−03
26	52	4.343−05	2.579−05	2.066−05	1.627−05	8.992−06	3.882−06	2.942−06	2.405−06
26	53	4.926−03	5.864−03	6.262−03	6.677−03	7.590−03	8.937−03	9.583−03	1.032−02
26	54	7.353−03	8.782−03	9.388−03	1.001−02	1.139−02	1.340−02	1.437−02	1.547−02
26	55	7.854−05	5.961−05	5.119−05	4.376−05	3.503−05	2.366−05	2.121−05	1.980−05
26	56	2.426−04	2.079−04	1.919−04	1.779−04	1.627−04	1.428−04	1.398−04	1.397−04
26	57	3.073−03	3.680−03	3.937−03	4.197−03	4.772−03	5.555−03	5.955−03	6.401−03
26	58	2.535−03	2.952−03	3.128−03	3.310−03	3.739−03	4.309−03	4.607−03	4.946−03
26	59	1.236−02	1.477−02	1.580−02	1.686−02	1.920−02	2.258−02	2.423−02	2.610−02
26	60	2.690−03	1.851−03	1.544−03	1.268−03	8.455−04	4.452−04	3.530−04	2.865−04
26	61	1.982−04	1.857−04	1.782−04	1.729−04	1.801−04	1.681−04	1.711−04	1.774−04
26	62	1.462−03	9.881−04	8.202−04	6.679−04	4.227−04	2.025−04	1.512−04	1.123−04
26	63	6.952−05	7.932−05	8.352−05	8.715−05	9.618−05	1.026−04	1.093−04	1.154−04
26	64	9.118−04	6.198−04	5.148−04	4.199−04	2.701−04	1.323−04	1.002−04	7.621−05
26	65	1.402−04	9.899−05	8.387−05	7.026−05	4.967−05	3.014−05	2.596−05	2.306−05
26	66	5.011−03	5.424−03	5.622−03	5.830−03	6.365−03	7.146−03	7.609−03	8.132−03
26	67	1.822−04	1.489−04	1.315−04	1.163−04	1.019−04	7.697−05	7.207−05	6.985−05
26	68	1.353−04	9.094−05	7.525−05	6.102−05	3.805−05	1.749−05	1.266−05	8.973−06
26	69	1.033−04	9.809−05	9.692−05	9.669−05	1.013−04	1.062−04	1.114−04	1.181−04
26	70	7.578−05	6.016−05	5.415−05	4.892−05	4.298−05	3.468−05	3.373−05	3.365−05
26	71	1.627−04	1.289−04	1.163−04	1.052−04	8.988−05	7.839−05	7.725−05	7.758−05
26	72	2.307−05	2.371−05	2.411−05	2.452−05	2.625−05	2.750−05	2.903−05	3.065−05
26	73	3.329−06	2.422−06	2.117−06	1.847−06	1.414−06	1.060−06	9.857−07	9.423−07
26	74	1.942−04	2.310−04	2.467−04	2.620−04	2.965−04	3.375−04	3.614−04	3.869−04
26	75	5.635−03	6.743−03	7.225−03	7.717−03	8.815−03	1.033−02	1.111−02	1.197−02
26	76	2.105−04	2.438−04	2.582−04	2.722−04	3.049−04	3.421−04	3.655−04	3.903−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
26	77	3.468−04	3.839−04	4.012−04	4.195−04	4.648−04	5.293−04	5.656−04	6.067−04
26	78	7.253−05	7.884−05	8.200−05	8.563−05	9.496−05	1.101−04	1.180−04	1.272−04
26	79	4.255−05	3.667−05	3.466−05	3.294−05	3.070−05	2.892−05	2.902−05	2.954−05
26	80	1.529−04	1.435−04	1.410−04	1.396−04	1.413−04	1.512−04	1.592−04	1.691−04
26	81	2.097−01	2.509−01	2.689−01	2.873−01	3.285−01	3.849−01	4.138−01	4.460−01
26	82	4.895−02	5.860−02	6.282−02	6.717−02	7.689−02	9.044−02	9.732−02	1.050−01
26	83	7.170−02	8.583−02	9.203−02	9.840−02	1.127−01	1.326−01	1.426−01	1.539−01
26	84	3.189−03	3.769−03	4.025−03	4.287−03	4.882−03	5.702−03	6.128−03	6.603−03
26	85	1.124−03	7.746−04	6.463−04	5.280−04	3.335−04	1.548−04	1.112−04	7.641−05
26	86	3.332−02	3.941−02	4.210−02	4.485−02	5.109−02	5.961−02	6.408−02	6.903−02
26	87	1.268−03	1.073−03	1.004−03	9.405−04	8.538−04	7.737−04	7.825−04	7.978−04
26	88	1.203−05	9.431−06	8.312−06	7.359−06	6.397−06	5.015−06	4.780−06	4.723−06
26	89	3.848−06	2.745−06	2.323−06	1.955−06	1.482−06	9.298−07	8.247−07	7.660−07
26	90	1.390−05	1.051−05	9.338−06	8.381−06	7.431−06	6.085−06	5.996−06	6.098−06
26	91	3.684−06	2.669−06	2.362−06	2.098−06	1.690−06	1.391−06	1.360−06	1.363−06
26	92	2.081−04	1.971−04	1.924−04	1.893−04	1.918−04	1.909−04	1.949−04	2.014−04
26	93	6.916−03	8.105−03	8.637−03	9.185−03	1.044−02	1.218−02	1.309−02	1.411−02
26	94	1.100−05	1.021−05	9.902−06	9.641−06	9.415−06	9.321−06	9.477−06	9.738−06
26	95	1.492−04	1.471−04	1.464−04	1.463−04	1.502−04	1.538−04	1.576−04	1.632−04
26	96	3.899−05	3.621−05	3.493−05	3.390−05	3.333−05	3.237−05	3.264−05	3.340−05
26	97	7.218−05	6.742−05	6.608−05	6.514−05	6.521−05	6.620−05	6.811−05	7.071−05
26	98	9.436−06	5.919−06	4.799−06	3.810−06	2.186−06	8.946−07	6.163−07	4.206−07
26	99	1.191−05	8.936−06	7.966−06	7.147−06	6.077−06	5.061−06	4.964−06	5.001−06
26	100	1.251−05	1.099−05	1.054−05	1.018−05	9.705−06	9.649−06	9.831−06	1.012−05
26	101	1.917−06	1.362−06	1.185−06	1.030−06	7.784−07	5.876−07	5.531−07	5.361−07
26	102	1.835−04	1.852−04	1.859−04	1.872−04	1.929−04	1.998−04	2.050−04	2.121−04
26	103	1.442−04	1.419−04	1.410−04	1.408−04	1.446−04	1.475−04	1.511−04	1.564−04
26	104	2.778−05	2.774−05	2.774−05	2.781−05	2.840−05	2.927−05	2.995−05	3.093−05
26	105	6.422−05	6.330−05	6.308−05	6.311−05	6.450−05	6.638−05	6.811−05	7.051−05
26	106	5.338−05	6.039−05	6.361−05	6.690−05	7.480−05	8.535−05	9.144−05	9.814−05
26	107	7.372−06	6.725−06	6.492−06	6.306−06	6.170−06	6.045−06	6.130−06	6.296−06
26	108	6.324−04	7.384−04	7.858−04	8.340−04	9.450−04	1.092−03	1.173−03	1.261−03
26	109	6.688−05	5.986−05	5.767−05	5.589−05	5.444−05	5.548−05	5.779−05	6.081−05
26	110	1.953−05	1.351−05	1.130−05	9.248−06	5.888−06	2.785−06	2.029−06	1.427−06
26	111	1.450−04	1.540−04	1.592−04	1.654−04	1.813−04	2.106−04	2.250−04	2.419−04
26	112	7.070−05	7.276−05	7.433−05	7.642−05	8.238−05	9.432−05	1.005−04	1.078−04
26	113	2.959−06	2.058−06	1.731−06	1.430−06	9.399−07	5.030−07	4.093−07	3.385−07
26	114	1.407−06	1.354−06	1.333−06	1.319−06	1.335−06	1.343−06	1.371−06	1.416−06
26	115	1.296−07	8.812−08	7.393−08	6.155−08	4.421−08	2.643−08	2.324−08	2.148−08
26	116	2.726−07	2.335−07	2.133−07	1.910−07	1.671−07	1.395−07	1.430−07	1.380−07
26	117	7.736−07	6.764−07	6.443−07	6.178−07	5.874−07	5.660−07	5.714−07	5.848−07
26	118	9.066−07	7.938−07	7.556−07	7.237−07	6.876−07	6.595−07	6.651−07	6.801−07
26	119	1.210−05	1.239−05	1.250−05	1.264−05	1.311−05	1.366−05	1.403−05	1.453−05
26	120	3.294−05	2.506−05	2.241−05	2.012−05	1.677−05	1.470−05	1.465−05	1.496−05
26	121	5.849−07	4.636−07	4.144−07	3.716−07	3.254−07	2.601−07	2.515−07	2.501−07
26	122	5.834−07	4.749−07	4.314−07	3.905−07	3.356−07	2.807−07	2.757−07	2.719−07
26	123	2.846−06	2.843−06	2.844−06	2.853−06	2.919−06	3.010−06	3.083−06	3.186−06
26	124	5.225−07	4.884−07	4.743−07	4.596−07	4.501−07	4.433−07	4.590−07	4.714−07
26	125	9.553−07	7.764−07	7.126−07	6.566−07	5.795−07	5.085−07	5.008−07	5.025−07
27	28	1.004−03	5.833−04	4.614−04	3.566−04	1.800−04	6.054−05	3.700−05	2.252−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
27	29	5.717−05	3.434−05	2.759−05	2.175−05	1.204−05	5.171−06	3.852−06	3.036−06
27	30	3.530−02	3.419−02	3.405−02	3.404−02	3.442−02	3.557−02	3.648−02	3.774−02
27	31	1.169−02	1.094−02	1.078−02	1.068−02	1.064−02	1.087−02	1.113−02	1.151−02
27	32	3.315−04	1.895−04	1.504−04	1.171−04	5.947−05	2.508−05	1.880−05	1.554−05
27	33	-3.521−05	1.282−04	1.986−04	2.539−04	2.420−04	4.277−04	4.423−04	4.502−04
27	34	1.510−03	1.175−03	1.062−03	9.713−04	8.962−04	7.628−04	7.631−04	7.842−04
27	35	9.273−04	5.236−04	4.108−04	3.148−04	1.514−04	4.651−05	2.734−05	1.663−05
27	36	3.773−01	4.369−01	4.591−01	4.822−01	5.349−01	6.112−01	6.474−01	6.901−01
27	37	3.542−01	4.106−01	4.317−01	4.537−01	5.035−01	5.761−01	6.103−01	6.507−01
27	38	9.056−03	8.426−03	8.051−03	7.788−03	8.138−03	7.502−03	7.637−03	7.924−03
27	39	6.177−03	4.525−03	3.890−03	3.326−03	2.550−03	1.717−03	1.548−03	1.446−03
27	40	1.154−02	9.991−03	9.240−03	8.617−03	8.209−03	7.308−03	7.254−03	7.360−03
27	41	1.529−01	1.819−01	1.937−01	2.056−01	2.317−01	2.684−01	2.863−01	3.067−01
27	42	3.783−03	3.332−03	3.136−03	2.988−03	3.020−03	2.739−03	2.776−03	2.874−03
27	43	1.477−05	8.886−06	7.113−06	5.568−06	2.951−06	1.111−06	7.156−07	4.456−07
27	44	4.502−04	5.282−04	5.605−04	5.938−04	6.677−04	7.766−04	8.293−04	8.897−04
27	45	1.024−02	1.218−02	1.298−02	1.379−02	1.558−02	1.813−02	1.937−02	2.079−02
27	46	2.073−04	1.709−04	1.539−04	1.395−04	1.276−04	1.060−04	1.032−04	1.034−04
27	47	1.628−04	1.302−04	1.177−04	1.067−04	9.214−05	7.784−05	7.544−05	7.487−05
27	48	2.908−05	1.867−05	1.551−05	1.274−05	8.012−06	4.694−06	4.015−06	3.561−06
27	49	2.156−05	1.429−05	1.202−05	1.007−05	6.911−06	4.230−06	3.554−06	3.139−06
27	50	1.673−05	9.506−06	7.464−06	5.726−06	2.786−06	8.546−07	4.932−07	2.873−07
27	51	2.072−05	1.572−05	1.412−05	1.282−05	1.152−05	9.754−06	9.731−06	9.980−06
27	52	8.900−05	7.553−05	7.035−05	6.630−05	6.514−05	5.845−05	5.903−05	6.093−05
27	53	7.654−05	8.629−05	9.084−05	9.557−05	1.064−04	1.219−04	1.302−04	1.395−04
27	54	5.077−04	6.068−04	6.486−04	6.909−04	7.842−04	9.109−04	9.756−04	1.048−03
27	55	6.263−04	4.172−04	3.446−04	2.789−04	1.716−04	7.786−05	5.567−05	3.881−05
27	56	3.944−03	3.165−03	2.825−03	2.531−03	2.222−03	1.789−03	1.721−03	1.704−03
27	57	1.065−01	1.277−01	1.367−01	1.458−01	1.658−01	1.931−01	2.070−01	2.225−01
27	58	9.301−06	5.176−06	4.054−06	3.106−06	1.468−06	4.646−07	2.896−07	2.009−07
27	59	1.725−04	1.974−04	2.089−04	2.213−04	2.491−04	2.921−04	3.131−04	3.374−04
27	60	5.389−05	4.218−05	3.789−05	3.403−05	2.816−05	2.294−05	2.198−05	2.152−05
27	61	3.469−05	2.024−05	1.619−05	1.276−05	7.090−06	3.303−06	2.665−06	2.367−06
27	62	5.784−05	3.909−05	3.308−05	2.782−05	1.944−05	1.282−05	1.153−05	1.078−05
27	63	4.114−05	4.350−05	4.495−05	4.633−05	5.007−05	5.385−05	5.722−05	6.063−05
27	64	3.204−05	2.058−05	1.689−05	1.365−05	8.449−06	4.397−06	3.649−06	3.170−06
27	65	2.937−05	2.297−05	2.015−05	1.767−05	1.483−05	1.107−05	1.035−05	1.001−05
27	66	1.827−02	2.185−02	2.339−02	2.498−02	2.850−02	3.348−02	3.596−02	3.875−02
27	67	2.096−05	1.498−05	1.323−05	1.178−05	9.662−06	9.954−06	1.059−05	1.128−05
27	68	5.533−05	4.979−05	4.748−05	4.565−05	4.486−05	4.282−05	4.332−05	4.449−05
27	69	2.015−05	1.341−05	1.133−05	9.543−06	6.850−06	4.597−06	4.243−06	4.096−06
27	70	7.825−06	6.743−06	6.315−06	5.985−06	5.934−06	5.379−06	5.443−06	5.623−06
27	71	6.976−05	6.543−05	6.390−05	6.268−05	6.178−05	6.160−05	6.257−05	6.426−05
27	72	3.581−05	3.828−05	3.964−05	4.108−05	4.480−05	5.010−05	5.342−05	5.711−05
27	73	9.998−06	7.141−06	6.045−06	5.063−06	3.613−06	2.241−06	1.916−06	1.693−06
27	74	9.806−04	1.173−03	1.256−03	1.338−03	1.521−03	1.754−03	1.881−03	2.019−03
27	75	4.392−03	5.253−03	5.625−03	6.004−03	6.850−03	7.999−03	8.592−03	9.251−03
27	76	3.940−06	2.179−06	1.704−06	1.303−06	6.074−07	1.855−07	1.122−07	7.600−08
27	77	1.442−03	1.682−03	1.787−03	1.892−03	2.134−03	2.452−03	2.627−03	2.818−03
27	78	3.364−04	3.857−04	4.071−04	4.279−04	4.768−04	5.336−04	5.695−04	6.077−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
27	79	8.867−05	8.825−05	8.830−05	8.860−05	9.049−05	9.345−05	9.578−05	9.902−05
27	80	2.603−05	1.780−05	1.482−05	1.209−05	7.598−06	3.521−06	2.537−06	1.760−06
27	81	1.500−06	8.959−07	7.194−07	5.665−07	3.009−07	1.204−07	8.166−08	5.628−08
27	82	1.503−04	1.803−04	1.937−04	2.079−04	2.396−04	2.880−04	3.109−04	3.372−04
27	83	1.458−02	1.733−02	1.854−02	1.979−02	2.259−02	2.651−02	2.851−02	3.075−02
27	84	1.065−01	1.268−01	1.357−01	1.448−01	1.653−01	1.935−01	2.080−01	2.242−01
27	85	2.019−06	1.344−06	1.150−06	9.912−07	7.702−07	5.900−07	5.757−07	5.850−07
27	86	2.824−03	3.348−03	3.577−03	3.810−03	4.335−03	5.036−03	5.409−03	5.820−03
27	87	4.767−06	3.315−06	2.797−06	2.325−06	1.571−06	8.739−07	7.176−07	6.017−07
27	88	4.512−05	4.493−05	4.497−05	4.516−05	4.635−05	4.790−05	4.914−05	5.086−05
27	89	6.023−06	5.782−06	5.706−06	5.656−06	5.671−06	5.760−06	5.882−06	6.066−06
27	90	7.202−05	7.234−05	7.261−05	7.308−05	7.510−05	7.784−05	7.986−05	8.264−05
27	91	1.125−06	7.119−07	5.896−07	4.906−07	3.759−07	2.453−07	2.385−07	2.463−07
27	92	4.875−06	2.789−06	2.192−06	1.684−06	8.359−07	2.610−07	1.543−07	9.331−08
27	93	1.246−04	1.479−04	1.582−04	1.687−04	1.925−04	2.247−04	2.416−04	2.604−04
27	94	1.884−06	1.416−06	1.257−06	1.117−06	9.141−07	7.354−07	7.078−07	6.989−07
27	95	2.652−06	1.502−06	1.182−06	9.103−07	4.504−07	1.537−07	1.003−07	7.194−08
27	96	7.662−06	5.671−06	4.861−06	4.159−06	3.313−06	2.322−06	2.117−06	2.016−06
27	97	2.819−05	2.799−05	2.797−05	2.805−05	2.866−05	2.956−05	3.027−05	3.129−05
27	98	6.155−06	4.805−06	4.248−06	3.810−06	3.676−06	2.865−06	2.835−06	2.921−06
27	99	8.322−05	8.003−05	7.850−05	7.755−05	7.955−05	7.931−05	8.111−05	8.397−05
27	100	6.754−06	4.858−06	4.181−06	3.597−06	2.849−06	2.013−06	1.882−06	1.831−06
27	101	2.635−05	2.356−05	2.272−05	2.208−05	2.180−05	2.163−05	2.232−05	2.325−05
27	102	1.998−06	1.322−06	1.111−06	9.384−07	7.364−07	5.037−07	4.811−07	4.864−07
27	103	1.252−04	1.259−04	1.262−04	1.270−04	1.311−04	1.355−04	1.391−04	1.440−04
27	104	1.050−05	9.463−06	9.160−06	8.926−06	8.788−06	8.765−06	9.031−06	9.390−06
27	105	9.182−06	9.020−06	8.980−06	8.977−06	9.148−06	9.413−06	9.637−06	9.961−06
27	106	3.678−03	4.316−03	4.606−03	4.910−03	5.608−03	6.620−03	7.133−03	7.712−03
27	107	6.207−07	4.673−07	4.124−07	3.636−07	2.967−07	2.587−07	2.652−07	2.744−07
27	108	3.758−05	2.592−05	2.163−05	1.768−05	1.117−05	5.187−06	3.726−06	2.559−06
27	109	3.668−06	2.530−06	2.112−06	1.726−06	1.091−06	5.074−07	3.649−07	2.511−07
27	110	1.860−07	1.546−07	1.436−07	1.351−07	1.306−07	1.187−07	1.200−07	1.238−07
27	111	1.163−04	1.368−04	1.461−04	1.557−04	1.776−04	2.083−04	2.242−04	2.420−04
27	112	1.377−06	1.301−06	1.289−06	1.290−06	1.335−06	1.495−06	1.590−06	1.710−06
27	113	1.527−04	1.648−04	1.714−04	1.792−04	1.988−04	2.337−04	2.504−04	2.700−04
27	114	9.487−08	5.724−08	4.650−08	3.757−08	2.403−08	1.363−08	1.218−08	1.182−08
27	115	1.643−07	1.307−07	1.164−07	1.051−07	1.025−07	8.161−08	8.097−08	8.346−08
27	116	6.408−07	4.948−07	4.407−07	3.932−07	3.301−07	2.647−07	2.538−07	2.502−07
27	117	9.996−07	8.951−07	8.481−07	8.081−07	7.774−07	7.225−07	7.228−07	7.357−07
27	118	1.974−07	2.017−07	1.962−07	1.827−07	1.672−07	1.377−07	1.520−07	1.521−07
27	119	3.978−07	2.418−07	1.946−07	1.538−07	8.678−08	3.642−08	2.640−08	2.011−08
27	120	2.711−05	3.093−05	3.269−05	3.459−05	3.887−05	4.588−05	4.928−05	5.312−05
27	121	5.009−07	4.428−07	4.197−07	3.968−07	3.637−07	3.437−07	3.485−07	3.527−07
27	122	4.178−07	3.599−07	3.366−07	3.177−07	3.071−07	2.814−07	2.830−07	2.902−07
27	123	2.175−07	1.416−07	1.188−07	9.905−08	6.630−08	4.297−08	3.864−08	3.630−08
27	124	1.623−06	1.470−06	1.410−06	1.361−06	1.337−06	1.287−06	1.303−06	1.339−06
27	125	2.937−06	2.927−06	2.923−06	2.930−06	3.021−06	3.105−06	3.184−06	3.297−06
28	29	3.961−05	2.726−05	2.334−05	2.002−05	1.533−05	1.097−05	1.037−05	1.021−05
28	30	5.554−03	4.578−03	4.268−03	4.009−03	3.648−03	3.417−03	3.419−03	3.480−03
28	31	2.483−02	2.356−02	2.328−02	2.310−02	2.308−02	2.359−02	2.414−02	2.493−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
28	32	4.961−02	5.717−02	5.974−02	6.238−02	6.857−02	7.689−02	8.094−02	8.579−02
28	33	1.763−03	2.167−03	2.321−03	2.465−03	2.696−03	3.160−03	3.329−03	3.523−03
28	34	3.833−03	3.522−03	3.354−03	3.233−03	3.356−03	3.079−03	3.132−03	3.248−03
28	35	7.762−04	5.482−04	4.786−04	4.216−04	3.507−04	2.777−04	2.730−04	2.779−04
28	36	1.381−01	1.594−01	1.672−01	1.753−01	1.939−01	2.207−01	2.335−01	2.486−01
28	37	6.007−02	6.913−02	7.247−02	7.594−02	8.396−02	9.550−02	1.010−01	1.076−01
28	38	2.447−03	1.785−03	1.575−03	1.404−03	1.209−03	9.804−04	9.688−04	9.879−04
28	39	1.318−04	1.178−04	1.128−04	1.088−04	1.061−04	1.028−04	1.043−04	1.072−04
28	40	8.808−04	8.413−04	8.326−04	8.282−04	8.357−04	8.556−04	8.770−04	9.076−04
28	41	6.754−01	7.835−01	8.242−01	8.665−01	9.626−01	1.103+00	1.169+00	1.247+00
28	42	7.033−03	6.620−03	6.352−03	6.169−03	6.474−03	6.011−03	6.125−03	6.357−03
28	43	2.666−04	1.729−04	1.413−04	1.131−04	6.710−05	2.817−05	1.927−05	1.267−05
28	44	1.557−03	1.860−03	1.983−03	2.107−03	2.378−03	2.753−03	2.939−03	3.149−03
28	45	4.475−02	5.327−02	5.674−02	6.027−02	6.801−02	7.898−02	8.432−02	9.040−02
28	46	5.242−03	4.123−03	3.624−03	3.187−03	2.705−03	2.025−03	1.900−03	1.844−03
28	47	6.806−03	5.628−03	4.989−03	4.438−03	4.009−03	3.104−03	2.947−03	2.897−03
28	48	2.466−04	1.912−04	1.718−04	1.542−04	1.253−04	1.170−04	1.183−04	1.205−04
28	49	1.489−03	9.863−04	8.135−04	6.578−04	4.036−04	1.856−04	1.351−04	9.715−05
28	50	1.026−05	5.823−06	4.570−06	3.505−06	1.702−06	5.204−07	2.996−07	1.743−07
28	51	6.308−06	3.678−06	2.953−06	2.342−06	1.312−06	6.457−07	5.368−07	4.894−07
28	52	5.280−05	4.103−05	3.710−05	3.392−05	3.104−05	2.655−05	2.653−05	2.721−05
28	53	3.015−05	3.165−05	3.257−05	3.337−05	3.579−05	3.773−05	4.006−05	4.228−05
28	54	3.072−04	3.663−04	3.914−04	4.168−04	4.730−04	5.510−04	5.903−04	6.344−04
28	55	4.757−06	3.414−06	2.941−06	2.512−06	1.777−06	1.192−06	1.030−06	9.130−07
28	56	1.568−04	1.482−04	1.438−04	1.401−04	1.378−04	1.348−04	1.360−04	1.390−04
28	57	8.648−03	1.035−02	1.108−02	1.182−02	1.346−02	1.581−02	1.696−02	1.826−02
28	58	1.027−05	6.246−06	5.067−06	4.053−06	2.380−06	1.182−06	9.647−07	8.428−07
28	59	9.512−04	1.128−03	1.204−03	1.283−03	1.457−03	1.715−03	1.839−03	1.981−03
28	60	3.367−03	2.807−03	2.574−03	2.377−03	2.177−03	1.910−03	1.885−03	1.902−03
28	61	1.883−04	1.742−04	1.667−04	1.613−04	1.669−04	1.554−04	1.582−04	1.639−04
28	62	1.225−03	9.317−04	8.018−04	6.853−04	5.389−04	3.550−04	3.144−04	2.886−04
28	63	7.176−03	8.578−03	9.179−03	9.802−03	1.118−02	1.318−02	1.415−02	1.525−02
28	64	7.616−05	5.071−05	4.200−05	3.419−05	2.143−05	1.098−05	8.472−06	6.636−06
28	65	1.883−04	1.461−04	1.269−04	1.100−04	9.158−05	6.517−05	5.998−05	5.733−05
28	66	2.561−02	3.055−02	3.263−02	3.468−02	3.926−02	4.490−02	4.806−02	5.147−02
28	67	1.902−05	1.877−05	1.908−05	1.966−05	2.140−05	2.967−05	3.337−05	3.679−05
28	68	4.958−05	4.422−05	4.249−05	4.107−05	3.954−05	3.853−05	3.903−05	4.003−05
28	69	7.585−05	7.111−05	6.834−05	6.636−05	6.883−05	6.454−05	6.568−05	6.803−05
28	70	4.259−05	4.047−05	3.902−05	3.802−05	3.987−05	3.749−05	3.821−05	3.964−05
28	71	1.801−04	1.568−04	1.452−04	1.350−04	1.251−04	1.103−04	1.082−04	1.084−04
28	72	2.417−04	2.847−04	3.039−04	3.239−04	3.688−04	4.356−04	4.682−04	5.054−04
28	73	7.030−04	6.830−04	6.787−04	6.772−04	6.858−04	7.043−04	7.209−04	7.450−04
28	74	1.523−03	1.822−03	1.954−03	2.091−03	2.396−03	2.853−03	3.071−03	3.319−03
28	75	1.008−03	1.205−03	1.291−03	1.379−03	1.574−03	1.843−03	1.981−03	2.134−03
28	76	3.285−05	2.738−05	2.537−05	2.378−05	2.293−05	2.049−05	2.064−05	2.125−05
28	77	5.504−04	6.431−04	6.846−04	7.293−04	8.307−04	9.919−04	1.068−03	1.156−03
28	78	7.695−04	9.201−04	9.859−04	1.054−03	1.206−03	1.427−03	1.535−03	1.657−03
28	79	1.442−03	1.419−03	1.416−03	1.418−03	1.448−03	1.492−03	1.530−03	1.583−03
28	80	1.941−06	1.226−06	1.019−06	8.431−07	5.661−07	3.642−07	3.338−07	3.230−07
28	81	1.075−03	7.395−04	6.166−04	5.034−04	3.173−04	1.467−04	1.052−04	7.217−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
28	82	4.394−02	5.263−02	5.643−02	6.034−02	6.908−02	8.134−02	8.751−02	9.443−02
28	83	1.739−03	2.065−03	2.205−03	2.343−03	2.655−03	3.036−03	3.253−03	3.486−03
28	84	3.358−03	4.002−03	4.290−03	4.595−03	5.279−03	6.319−03	6.816−03	7.385−03
28	85	3.238−06	2.433−06	2.185−06	1.984−06	1.773−06	1.520−06	1.520−06	1.562−06
28	86	5.929−02	7.069−02	7.568−02	8.075−02	9.216−02	1.076−01	1.156−01	1.245−01
28	87	2.516−04	1.739−04	1.453−04	1.188−04	7.525−05	3.506−05	2.523−05	1.737−05
28	88	6.090−05	5.958−05	5.927−05	5.918−05	6.000−05	6.165−05	6.307−05	6.513−05
28	89	1.516−05	1.381−05	1.329−05	1.289−05	1.274−05	1.240−05	1.258−05	1.295−05
28	90	1.693−04	1.702−04	1.707−04	1.717−04	1.761−04	1.824−04	1.869−04	1.933−04
28	91	5.760−06	4.286−06	3.857−06	3.502−06	3.015−06	2.679−06	2.702−06	2.780−06
28	92	1.725−05	1.094−05	8.940−06	7.212−06	4.588−06	2.314−06	1.895−06	1.654−06
28	93	2.369−02	2.827−02	3.029−02	3.235−02	3.701−02	4.340−02	4.670−02	5.036−02
28	94	3.684−06	2.596−06	2.186−06	1.831−06	1.395−06	8.555−07	7.603−07	7.120−07
28	95	4.033−06	2.646−06	2.205−06	1.836−06	1.353−06	8.517−07	7.840−07	7.671−07
28	96	9.760−05	9.635−05	9.619−05	9.638−05	9.843−05	1.015−04	1.040−04	1.076−04
28	97	1.030−04	1.032−04	1.032−04	1.034−04	1.056−04	1.086−04	1.111−04	1.146−04
28	98	3.504−06	2.046−06	1.633−06	1.286−06	7.308−07	3.374−07	2.742−07	2.476−07
28	99	1.443−04	1.464−04	1.473−04	1.486−04	1.532−04	1.592−04	1.633−04	1.690−04
28	100	5.554−06	4.619−06	4.307−06	4.050−06	3.767−06	3.480−06	3.494−06	3.571−06
28	101	5.897−06	5.115−06	4.875−06	4.687−06	4.546−06	4.460−06	4.582−06	4.762−06
28	102	4.515−06	3.409−06	2.978−06	2.628−06	2.398−06	1.797−06	1.751−06	1.782−06
28	103	5.193−04	5.263−04	5.290−04	5.333−04	5.529−04	5.730−04	5.885−04	6.098−04
28	104	2.337−05	2.180−05	2.143−05	2.119−05	2.114−05	2.185−05	2.257−05	2.349−05
28	105	1.085−04	1.102−04	1.108−04	1.117−04	1.156−04	1.199−04	1.231−04	1.275−04
28	106	6.317−05	7.362−05	7.792−05	8.176−05	9.080−05	9.827−05	1.045−04	1.105−04
28	107	9.124−06	8.144−06	7.852−06	7.614−06	7.335−06	7.309−06	7.465−06	7.702−06
28	108	5.879−06	4.086−06	3.425−06	2.817−06	1.820−06	8.982−07	6.758−07	4.999−07
28	109	1.484−04	1.026−04	8.567−05	7.006−05	4.437−05	2.068−05	1.489−05	1.026−05
28	110	2.022−07	1.686−07	1.570−07	1.479−07	1.430−07	1.301−07	1.315−07	1.358−07
28	111	1.526−03	1.824−03	1.957−03	2.095−03	2.408−03	2.849−03	3.073−03	3.322−03
28	112	9.627−04	1.119−03	1.193−03	1.274−03	1.458−03	1.755−03	1.889−03	2.044−03
28	113	8.498−06	9.494−06	9.981−06	1.053−05	1.179−05	1.395−05	1.497−05	1.616−05
28	114	5.322−07	3.564−07	2.965−07	2.439−07	1.667−07	9.192−08	7.741−08	6.847−08
28	115	7.159−08	3.997−08	3.126−08	2.391−08	1.126−08	3.347−09	1.912−09	1.144−09
28	116	1.325−06	1.334−06	1.337−06	1.344−06	1.389−06	1.435−06	1.472−06	1.525−06
28	117	7.426−06	7.576−06	7.633−06	7.706−06	7.963−06	8.282−06	8.499−06	8.796−06
28	118	1.325−07	1.152−07	1.073−07	9.829−08	9.171−08	8.768−08	9.373−08	9.393−08
28	119	6.473−07	5.011−07	4.425−07	3.953−07	3.742−07	2.917−07	2.876−07	2.951−07
28	120	3.019−05	2.369−05	2.153−05	1.967−05	1.710−05	1.588−05	1.608−05	1.665−05
28	121	5.269−07	5.014−07	4.946−07	4.899−07	4.873−07	5.019−07	5.140−07	5.313−07
28	122	1.151−06	9.520−07	8.589−07	7.805−07	7.354−07	6.030−07	5.926−07	6.000−07
28	123	7.652−07	5.830−07	5.095−07	4.450−07	3.673−07	2.717−07	2.543−07	2.465−07
28	124	4.625−07	4.427−07	4.350−07	4.301−07	4.376−07	4.411−07	4.511−07	4.666−07
28	125	5.654−07	4.396−07	3.971−07	3.595−07	2.998−07	2.563−07	2.488−07	2.466−07
29	30	3.778−02	4.349−02	4.519−02	4.689−02	5.110−02	5.599−02	5.851−02	6.158−02
29	31	3.888−04	3.619−04	3.463−04	3.355−04	3.488−04	3.344−04	3.441−04	3.608−04
29	32	3.480−04	2.438−04	2.067−04	1.755−04	1.406−04	9.348−05	8.699−05	8.536−05
29	33	6.124−03	4.362−03	3.715−03	3.152−03	2.400−03	1.609−03	1.460−03	1.382−03
29	34	3.605−04	2.944−04	2.712−04	2.532−04	2.437−04	2.202−04	2.244−04	2.334−04
29	35	1.781−03	1.702−03	1.688−03	1.682−03	1.704−03	1.804−03	1.883−03	1.974−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
29	36	6.048−04	5.583−04	5.457−04	5.367−04	5.327−04	5.359−04	5.477−04	5.657−04
29	37	1.314−04	1.127−04	1.077−04	1.038−04	9.875−05	9.737−05	9.904−05	1.020−04
29	38	4.455−04	3.171−04	2.683−04	2.270−04	1.816−04	1.173−04	1.072−04	1.036−04
29	39	1.039+00	1.205+00	1.267+00	1.332+00	1.479+00	1.693+00	1.794+00	1.914+00
29	40	1.385+00	1.609+00	1.693+00	1.781+00	1.979+00	2.270+00	2.407+00	2.569+00
29	41	5.426−04	3.516−04	2.883−04	2.324−04	1.444−04	6.971−05	5.342−05	4.238−05
29	42	3.788−04	3.203−04	3.051−04	2.934−04	2.800−04	2.821−04	2.903−04	3.015−04
29	43	2.522+00	3.007+00	3.204+00	3.403+00	3.840+00	4.455+00	4.755+00	5.096+00
29	44	3.383−03	2.314−03	1.927−03	1.579−03	1.045−03	5.409−04	4.266−04	3.440−04
29	45	4.002−03	2.845−03	2.405−03	2.011−03	1.454−03	8.723−04	7.462−04	6.628−04
29	46	3.596−01	4.283−01	4.563−01	4.848−01	5.473−01	6.356−01	6.787−01	7.278−01
29	47	6.251−01	7.442−01	7.936−01	8.440−01	9.548−01	1.113+00	1.191+00	1.278+00
29	48	2.594−04	1.655−04	1.350−04	1.078−04	6.226−05	2.619−05	1.798−05	1.190−05
29	49	4.872−04	2.757−04	2.161−04	1.653−04	7.764−05	2.432−05	1.379−05	7.360−06
29	50	8.561−02	8.416−02	8.394−02	8.402−02	8.535−02	8.802−02	9.014−02	9.315−02
29	51	4.695−02	4.599−02	4.586−02	4.591−02	4.674−02	4.821−02	4.944−02	5.115−02
29	52	7.659−02	7.531−02	7.518−02	7.533−02	7.680−02	7.930−02	8.131−02	8.413−02
29	53	3.533−02	3.472−02	3.466−02	3.472−02	3.539−02	3.653−02	3.746−02	3.876−02
29	54	1.767−02	1.737−02	1.734−02	1.738−02	1.772−02	1.829−02	1.876−02	1.941−02
29	55	8.168−06	5.683−06	4.763−06	3.911−06	2.509−06	1.206−06	8.882−07	6.342−07
29	56	1.756−03	2.094−03	2.236−03	2.380−03	2.697−03	3.129−03	3.350−03	3.597−03
29	57	6.932−06	4.416−06	3.619−06	2.920−06	1.772−06	9.004−07	7.114−07	5.854−07
29	58	1.338−02	1.252−02	1.231−02	1.217−02	1.212−02	1.232−02	1.260−02	1.301−02
29	59	2.851−03	2.312−03	2.164−03	2.044−03	1.871−03	1.786−03	1.804−03	1.852−03
29	60	1.942−02	2.320−02	2.481−02	2.647−02	3.012−02	3.529−02	3.785−02	4.075−02
29	61	5.598−03	4.436−03	4.114−03	3.851−03	3.470−03	3.263−03	3.289−03	3.372−03
29	62	6.119−03	7.297−03	7.793−03	8.285−03	9.385−03	1.079−02	1.155−02	1.238−02
29	63	7.041−04	4.280−04	3.496−04	2.831−04	1.733−04	1.005−04	8.845−05	8.310−05
29	64	3.807−05	2.314−05	1.862−05	1.465−05	7.845−06	3.098−06	2.055−06	1.315−06
29	65	1.556−01	1.865−01	1.996−01	2.129−01	2.423−01	2.816−01	3.020−01	3.246−01
29	66	6.306−06	5.184−06	4.762−06	4.384−06	3.796−06	3.395−06	3.312−06	3.290−06
29	67	2.024−05	1.151−05	9.045−06	6.939−06	3.321−06	1.079−06	6.380−07	3.713−07
29	68	2.121−01	2.539−01	2.718−01	2.899−01	3.302−01	3.844−01	4.126−01	4.437−01
29	69	4.053−05	3.771−05	3.685−05	3.622−05	3.599−05	3.606−05	3.678−05	3.793−05
29	70	2.891−04	2.529−04	2.405−04	2.304−04	2.212−04	2.117−04	2.141−04	2.196−04
29	71	3.091−05	2.847−05	2.817−05	2.793−05	2.823−05	2.870−05	3.018−05	3.166−05
29	72	9.087−05	5.476−05	4.408−05	3.496−05	2.033−05	9.758−06	7.830−06	6.803−06
29	73	4.531−06	5.233−06	5.544−06	5.867−06	6.626−06	7.667−06	8.219−06	8.842−06
29	74	9.952−06	7.949−06	7.318−06	6.779−06	5.966−06	5.429−06	5.387−06	5.444−06
29	75	2.307−05	2.017−05	1.867−05	1.734−05	1.566−05	1.411−05	1.372−05	1.360−05
29	76	1.314−04	8.444−05	7.008−05	5.775−05	3.836−05	2.374−05	2.120−05	1.994−05
29	77	4.280−05	3.517−05	3.178−05	2.875−05	2.446−05	2.066−05	1.968−05	1.918−05
29	78	4.921−05	3.716−05	3.296−05	2.920−05	2.323−05	1.825−05	1.728−05	1.674−05
29	79	1.257−04	1.495−04	1.599−04	1.706−04	1.945−04	2.280−04	2.449−04	2.639−04
29	80	5.370−05	4.489−05	4.083−05	3.730−05	3.309−05	3.016−05	2.978−05	2.995−05
29	81	6.327−05	5.780−05	5.603−05	5.492−05	5.470−05	6.305−05	6.705−05	7.122−05
29	82	7.607−06	5.930−06	5.212−06	4.575−06	3.705−06	2.889−06	2.675−06	2.553−06
29	83	9.517−06	6.915−06	5.897−06	4.995−06	3.672−06	2.517−06	2.218−06	2.024−06
29	84	8.496−06	6.172−06	5.253−06	4.421−06	3.178−06	1.988−06	1.699−06	1.493−06
29	85	5.550−05	4.493−05	3.951−05	3.463−05	2.858−05	2.179−05	1.996−05	1.882−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
29	86	6.218−06	4.254−06	3.574−06	2.974−06	2.055−06	1.286−06	1.117−06	1.009−06
29	87	3.602−05	3.119−05	2.935−05	2.793−05	2.701−05	2.859−05	2.999−05	3.162−05
29	88	5.016−04	5.782−04	6.126−04	6.483−04	7.323−04	8.489−04	9.109−04	9.806−04
29	89	1.680−01	1.992−01	2.130−01	2.271−01	2.591−01	3.033−01	3.262−01	3.517−01
29	90	3.309−05	3.218−05	3.176−05	3.161−05	3.341−05	3.398−05	3.534−05	3.718−05
29	91	1.341−05	1.236−05	1.183−05	1.144−05	1.169−05	1.096−05	1.113−05	1.150−05
29	92	3.449−03	4.122−03	4.420−03	4.725−03	5.413−03	6.361−03	6.850−03	7.394−03
29	93	3.343−06	2.098−06	1.709−06	1.369−06	8.045−07	3.728−07	2.818−07	2.210−07
29	94	1.013−02	1.173−02	1.246−02	1.321−02	1.494−02	1.737−02	1.866−02	2.009−02
29	95	1.844−03	2.199−03	2.356−03	2.517−03	2.883−03	3.386−03	3.646−03	3.936−03
29	96	9.965−04	1.173−03	1.252−03	1.334−03	1.520−03	1.778−03	1.913−03	2.063−03
29	97	4.763−05	4.921−05	5.012−05	5.117−05	5.490−05	5.945−05	6.292−05	6.687−05
29	98	3.881−05	3.572−05	3.422−05	3.313−05	3.391−05	3.189−05	3.243−05	3.356−05
29	99	1.300−03	1.547−03	1.657−03	1.770−03	2.026−03	2.378−03	2.562−03	2.765−03
29	100	1.749−04	2.072−04	2.218−04	2.369−04	2.712−04	3.196−04	3.445−04	3.723−04
29	101	2.743−05	1.879−05	1.565−05	1.277−05	8.032−06	3.718−06	2.674−06	1.848−06
29	102	3.475−04	4.092−04	4.371−04	4.663−04	5.336−04	6.290−04	6.779−04	7.329−04
29	103	4.972−04	5.860−04	6.261−04	6.678−04	7.629−04	8.978−04	9.670−04	1.045−03
29	104	1.785−04	1.228−04	1.024−04	8.356−05	5.277−05	2.449−05	1.762−05	1.215−05
29	105	9.515−06	7.703−06	7.196−06	6.791−06	6.291−06	6.317−06	6.573−06	6.949−06
29	106	1.421−05	1.048−05	8.996−06	7.680−06	5.873−06	4.014−06	3.603−06	3.350−06
29	107	6.043−04	4.146−04	3.452−04	2.814−04	1.770−04	8.124−05	5.798−05	3.951−05
29	108	3.317−05	2.716−05	2.445−05	2.209−05	1.954−05	1.689−05	1.662−05	1.671−05
29	109	3.310−05	2.767−05	2.582−05	2.435−05	2.296−05	2.410−05	2.540−05	2.686−05
29	110	8.043−05	6.604−05	5.936−05	5.347−05	4.672−05	3.853−05	3.697−05	3.637−05
29	111	3.527−06	2.351−06	1.953−06	1.604−06	1.074−06	6.207−07	5.235−07	4.625−07
29	112	2.729−06	1.870−06	1.568−06	1.289−06	8.258−07	4.129−07	3.199−07	2.462−07
29	113	6.412−06	4.389−06	3.663−06	3.006−06	1.968−06	1.021−06	8.031−07	6.412−07
29	114	4.066−04	4.754−04	5.077−04	5.434−04	6.245−04	7.546−04	8.135−04	8.815−04
29	115	1.574−05	1.465−05	1.412−05	1.373−05	1.411−05	1.345−05	1.370−05	1.419−05
29	116	7.197−06	6.921−06	6.866−06	6.878−06	7.232−06	7.792−06	8.214−06	8.753−06
29	117	2.789−05	3.037−05	3.159−05	3.305−05	3.697−05	4.297−05	4.605−05	4.969−05
29	118	1.712−06	1.331−06	1.194−06	1.074−06	9.206−07	7.446−07	7.219−07	7.181−07
29	119	2.943−05	3.204−05	3.344−05	3.509−05	3.924−05	4.606−05	4.944−05	5.338−05
29	120	9.014−06	6.257−06	5.255−06	4.351−06	2.953−06	1.652−06	1.357−06	1.144−06
29	121	1.303−06	8.439−07	6.912−07	5.549−07	3.311−07	1.442−07	1.019−07	7.084−08
29	122	1.463−05	1.651−05	1.747−05	1.857−05	2.113−05	2.544−05	2.743−05	2.975−05
29	123	9.846−06	9.566−06	9.677−06	9.903−06	1.065−05	1.240−05	1.331−05	1.440−05
29	124	5.013−07	4.765−07	4.790−07	4.874−07	5.182−07	5.973−07	6.393−07	6.901−07
29	125	1.333−06	1.276−06	1.278−06	1.294−06	1.368−06	1.562−06	1.667−06	1.797−06
30	31	3.708−02	3.421−02	3.341−02	3.284−02	3.257−02	3.277−02	3.348−02	3.458−02
30	32	1.635−02	1.844−02	1.912−02	1.985−02	2.172−02	2.407−02	2.528−02	2.677−02
30	33	8.291−03	9.577−03	1.002−02	1.048−02	1.150−02	1.295−02	1.363−02	1.445−02
30	34	2.192−01	2.512−01	2.624−01	2.740−01	3.016−01	3.393−01	3.577−01	3.798−01
30	35	3.290−01	3.786−01	3.965−01	4.150−01	4.584−01	5.191−01	5.483−01	5.832−01
30	36	3.050−02	3.270−02	3.336−02	3.420−02	3.717−02	4.031−02	4.228−02	4.476−02
30	37	7.767−03	7.232−03	6.913−03	6.690−03	6.988−03	6.448−03	6.565−03	6.810−03
30	38	2.550+00	2.949+00	3.095+00	3.247+00	3.594+00	4.091+00	4.327+00	4.608+00
30	39	3.825−04	3.199−04	3.012−04	2.855−04	2.629−04	2.501−04	2.519−04	2.573−04
30	40	2.588−03	2.208−03	2.003−03	1.825−03	1.663−03	1.386−03	1.336−03	1.323−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
30	41	2.629−03	1.936−03	1.753−03	1.604−03	1.369−03	1.307−03	1.334−03	1.389−03
30	42	9.835−02	1.119−01	1.171−01	1.226−01	1.355−01	1.546−01	1.638−01	1.746−01
30	43	3.268−02	2.632−02	2.372−02	2.149−02	1.901−02	1.582−02	1.539−02	1.537−02
30	44	6.434−06	5.437−06	5.023−06	4.681−06	4.481−06	3.886−06	3.880−06	3.962−06
30	45	8.216−04	9.090−04	9.507−04	9.946−04	1.097−03	1.249−03	1.330−03	1.423−03
30	46	1.108−02	9.917−03	9.402−03	8.986−03	8.776−03	8.282−03	8.345−03	8.549−03
30	47	7.089−03	5.691−03	4.963−03	4.322−03	3.701−03	2.642−03	2.423−03	2.311−03
30	48	2.143−04	1.714−04	1.505−04	1.327−04	1.166−04	8.812−05	8.305−05	8.127−05
30	49	4.777−04	4.164−04	3.967−04	3.800−04	3.571−04	3.438−04	3.463−04	3.534−04
30	50	4.352−04	3.442−04	3.127−04	2.873−04	2.664−04	2.288−04	2.288−04	2.347−04
30	51	8.324−03	9.832−03	1.047−02	1.114−02	1.261−02	1.479−02	1.583−02	1.703−02
30	52	4.730−03	5.478−03	5.791−03	6.116−03	6.882−03	7.897−03	8.431−03	9.039−03
30	53	1.262−02	1.503−02	1.604−02	1.709−02	1.939−02	2.272−02	2.434−02	2.618−02
30	54	4.361−05	2.952−05	2.528−05	2.175−05	1.685−05	1.253−05	1.208−05	1.212−05
30	55	1.330−04	9.477−05	8.125−05	6.904−05	4.954−05	3.244−05	2.872−05	2.613−05
30	56	2.874−04	2.195−04	1.907−04	1.654−04	1.352−04	9.661−05	8.914−05	8.523−05
30	57	7.092−05	5.896−05	5.428−05	5.040−05	4.755−05	4.122−05	4.110−05	4.191−05
30	58	6.693−03	7.885−03	8.384−03	8.898−03	1.007−02	1.166−02	1.248−02	1.340−02
30	59	1.837−03	2.114−03	2.232−03	2.354−03	2.646−03	3.020−03	3.226−03	3.457−03
30	60	5.759−03	4.476−03	3.922−03	3.436−03	2.871−03	2.133−03	1.994−03	1.927−03
30	61	7.513−04	7.228−04	7.274−04	7.375−04	7.765−04	8.617−04	9.163−04	9.806−04
30	62	4.465−03	3.604−03	3.226−03	2.899−03	2.552−03	2.068−03	1.993−03	1.974−03
30	63	6.695−05	4.707−05	4.090−05	3.578−05	2.917−05	2.259−05	2.200−05	2.221−05
30	64	3.501−03	2.859−03	2.562−03	2.304−03	2.054−03	1.667−03	1.606−03	1.592−03
30	65	1.783−04	1.387−04	1.219−04	1.070−04	8.870−05	6.674−05	6.245−05	6.028−05
30	66	2.305−01	2.766−01	2.962−01	3.160−01	3.599−01	4.189−01	4.494−01	4.832−01
30	67	2.223−04	1.782−04	1.592−04	1.428−04	1.258−04	1.018−04	9.823−05	9.751−05
30	68	8.434−05	5.929−05	5.041−05	4.255−05	3.092−05	2.045−05	1.842−05	1.719−05
30	69	2.848−04	3.179−04	3.344−04	3.520−04	3.933−04	4.562−04	4.890−04	5.264−04
30	70	8.942−04	1.033−03	1.094−03	1.158−03	1.303−03	1.509−03	1.616−03	1.738−03
30	71	1.405−04	1.011−04	8.583−05	7.231−05	5.418−05	3.453−05	3.038−05	2.786−05
30	72	1.558−04	1.817−04	1.932−04	2.051−04	2.320−04	2.689−04	2.885−04	3.102−04
30	73	4.576−05	3.393−05	2.961−05	2.614−05	2.364−05	1.797−05	1.764−05	1.805−05
30	74	7.571−06	5.410−06	4.614−06	3.889−06	2.761−06	1.660−06	1.420−06	1.246−06
30	75	3.976−06	2.731−06	2.306−06	1.926−06	1.324−06	7.857−07	6.739−07	5.974−07
30	76	3.594−04	4.102−04	4.336−04	4.586−04	5.164−04	6.046−04	6.488−04	6.994−04
30	77	2.130−03	2.557−03	2.742−03	2.932−03	3.356−03	3.949−03	4.246−03	4.580−03
30	78	3.998−03	4.792−03	5.136−03	5.486−03	6.264−03	7.332−03	7.877−03	8.485−03
30	79	2.501−04	2.149−04	2.030−04	1.938−04	1.881−04	1.798−04	1.837−04	1.905−04
30	80	2.413−02	2.889−02	3.095−02	3.305−02	3.774−02	4.411−02	4.739−02	5.105−02
30	81	5.536−02	6.612−02	7.081−02	7.560−02	8.631−02	1.010−01	1.086−01	1.170−01
30	82	4.288−04	2.962−04	2.473−04	2.022−04	1.281−04	5.963−05	4.291−05	2.955−05
30	83	4.635−02	5.493−02	5.870−02	6.257−02	7.130−02	8.339−02	8.963−02	9.659−02
30	84	4.566−03	5.376−03	5.736−03	6.111−03	6.959−03	8.177−03	8.794−03	9.488−03
30	85	2.436−01	2.907−01	3.113−01	3.324−01	3.799−01	4.454−01	4.789−01	5.164−01
30	86	1.537−04	1.782−04	1.892−04	2.003−04	2.259−04	2.600−04	2.788−04	2.995−04
30	87	7.277−02	8.635−02	9.235−02	9.852−02	1.124−01	1.317−01	1.417−01	1.528−01
30	88	8.422−06	6.838−06	6.288−06	5.827−06	5.321−06	4.712−06	4.690−06	4.768−06
30	89	9.749−06	6.814−06	5.764−06	4.843−06	3.528−06	2.285−06	2.039−06	1.894−06
30	90	3.455−05	3.133−05	3.018−05	2.933−05	2.925−05	2.867−05	2.932−05	3.038−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
30	91	1.822−06	1.378−06	1.247−06	1.136−06	9.702−07	8.523−07	8.461−07	8.580−07
30	92	5.408−05	4.855−05	4.629−05	4.453−05	4.398−05	4.200−05	4.256−05	4.381−05
30	93	3.557−04	2.451−04	2.045−04	1.671−04	1.055−04	4.890−05	3.510−05	2.409−05
30	94	1.992−06	1.411−06	1.226−06	1.062−06	7.925−07	5.983−07	5.614−07	5.414−07
30	95	1.342−05	1.067−05	9.705−06	8.915−06	8.173−06	7.069−06	7.030−06	7.171−06
30	96	5.773−05	4.996−05	4.729−05	4.512−05	4.329−05	4.140−05	4.215−05	4.350−05
30	97	6.075−06	4.297−06	3.680−06	3.148−06	2.447−06	1.673−06	1.552−06	1.503−06
30	98	2.712−04	2.506−04	2.403−04	2.324−04	2.324−04	2.233−04	2.262−04	2.327−04
30	99	4.641−05	4.082−05	3.905−05	3.770−05	3.724−05	3.652−05	3.766−05	3.928−05
30	100	9.287−06	8.462−06	8.222−06	8.036−06	7.856−06	7.838−06	7.982−06	8.219−06
30	101	5.585−06	5.249−06	5.118−06	5.018−06	5.024−06	4.941−06	5.033−06	5.189−06
30	102	4.472−05	3.626−05	3.254−05	2.940−05	2.674−05	2.187−05	2.133−05	2.141−05
30	103	8.984−06	6.765−06	6.142−06	5.622−06	4.795−06	4.370−06	4.368−06	4.450−06
30	104	2.457−06	2.073−06	1.924−06	1.803−06	1.698−06	1.557−06	1.558−06	1.590−06
30	105	7.142−06	4.999−06	4.302−06	3.683−06	2.666−06	1.875−06	1.714−06	1.616−06
30	106	6.854−06	7.181−06	7.387−06	7.628−06	8.305−06	9.445−06	1.011−05	1.087−05
30	107	7.311−06	5.792−06	5.224−06	4.729−06	4.076−06	3.439−06	3.346−06	3.331−06
30	108	3.151−04	3.766−04	4.043−04	4.333−04	4.986−04	5.932−04	6.401−04	6.930−04
30	109	2.305−03	2.652−03	2.812−03	2.981−03	3.376−03	3.952−03	4.252−03	4.590−03
30	110	7.427−03	8.724−03	9.310−03	9.920−03	1.132−02	1.329−02	1.431−02	1.545−02
30	111	1.991−05	1.378−05	1.151−05	9.421−06	5.972−06	2.787−06	2.006−06	1.381−06
30	112	4.843−04	5.399−04	5.676−04	5.992−04	6.739−04	8.004−04	8.591−04	9.276−04
30	113	1.084−05	7.387−06	6.134−06	4.986−06	3.114−06	1.411−06	1.000−06	6.766−07
30	114	6.486−06	5.983−06	5.767−06	5.594−06	5.517−06	5.382−06	5.451−06	5.595−06
30	115	4.328−06	3.954−06	3.806−06	3.680−06	3.549−06	3.445−06	3.471−06	3.543−06
30	116	2.533−07	1.903−07	1.707−07	1.535−07	1.220−07	1.070−07	1.038−07	1.026−07
30	117	3.035−06	2.649−06	2.452−06	2.266−06	2.099−06	1.886−06	1.902−06	1.917−06
30	118	6.548−07	4.810−07	4.110−07	3.507−07	2.901−07	1.929−07	1.785−07	1.734−07
30	119	1.203−06	8.096−07	6.942−07	5.958−07	4.366−07	3.263−07	3.097−07	3.046−07
30	120	2.703−04	2.774−04	2.837−04	2.922−04	3.169−04	3.662−04	3.911−04	4.208−04
30	121	4.758−07	3.352−07	2.852−07	2.409−07	1.759−07	1.130−07	1.006−07	9.289−08
30	122	1.414−06	1.163−06	1.062−06	9.766−07	9.016−07	7.836−07	7.753−07	7.857−07
30	123	1.665−06	1.360−06	1.242−06	1.135−06	9.976−07	8.560−07	8.473−07	8.489−07
30	124	2.626−07	1.756−07	1.464−07	1.201−07	7.710−08	4.085−08	3.272−08	2.685−08
30	125	2.969−06	2.559−06	2.399−06	2.254−06	2.073−06	1.936−06	1.954−06	1.988−06
31	32	1.553−02	1.748−02	1.811−02	1.877−02	2.045−02	2.260−02	2.371−02	2.505−02
31	33	1.742−04	1.790−04	1.807−04	1.833−04	1.927−04	2.077−04	2.168−04	2.283−04
31	34	5.986−03	5.434−03	5.198−03	5.031−03	5.146−03	4.905−03	5.024−03	5.236−03
31	35	9.222−02	1.052−01	1.098−01	1.146−01	1.261−01	1.418−01	1.496−01	1.588−01
31	36	2.559−01	2.951−01	3.093−01	3.239−01	3.578−01	4.057−01	4.286−01	4.559−01
31	37	4.032−02	4.621−02	4.834−02	5.057−02	5.576−02	6.314−02	6.670−02	7.093−02
31	38	6.906−03	5.600−03	5.137−03	4.771−03	4.554−03	3.981−03	4.006−03	4.129−03
31	39	5.317−04	4.462−04	4.124−04	3.834−04	3.516−04	3.131−04	3.103−04	3.135−04
31	40	1.120−03	1.022−03	9.892−04	9.647−04	9.522−04	9.430−04	9.605−04	9.903−04
31	41	8.464−02	9.594−02	1.000−01	1.043−01	1.152−01	1.298−01	1.371−01	1.460−01
31	42	1.563+00	1.811+00	1.903+00	1.999+00	2.218+00	2.536+00	2.686+00	2.863+00
31	43	8.115−03	6.985−03	6.397−03	5.906−03	5.593−03	4.834−03	4.759−03	4.803−03
31	44	2.101−03	2.575−03	2.766−03	2.953−03	3.273−03	3.900−03	4.140−03	4.416−03
31	45	1.320−02	1.524−02	1.602−02	1.684−02	1.871−02	2.145−02	2.275−02	2.429−02
31	46	9.839−03	8.038−03	7.255−03	6.583−03	5.890−03	4.896−03	4.759−03	4.748−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
31	47	7.264−03	5.263−03	4.510−03	3.837−03	2.863−03	1.875−03	1.668−03	1.534−03
31	48	2.815−03	2.585−03	2.495−03	2.424−03	2.388−03	2.335−03	2.370−03	2.436−03
31	49	7.333−03	6.414−03	5.943−03	5.550−03	5.320−03	4.742−03	4.707−03	4.776−03
31	50	2.616−05	2.395−05	2.281−05	2.197−05	2.268−05	2.090−05	2.125−05	2.202−05
31	51	8.316−03	9.920−03	1.059−02	1.128−02	1.279−02	1.496−02	1.601−02	1.721−02
31	52	5.010−05	3.453−05	2.990−05	2.606−05	2.087−05	1.621−05	1.582−05	1.602−05
31	53	2.193−03	2.608−03	2.782−03	2.961−03	3.357−03	3.920−03	4.196−03	4.511−03
31	54	1.231−03	1.465−03	1.564−03	1.666−03	1.890−03	2.216−03	2.374−03	2.553−03
31	55	1.807−04	1.624−04	1.520−04	1.430−04	1.353−04	1.224−04	1.208−04	1.215−04
31	56	1.295−04	1.022−04	8.891−05	7.732−05	6.571−05	4.705−05	4.333−05	4.153−05
31	57	1.716−03	2.046−03	2.186−03	2.329−03	2.644−03	3.084−03	3.305−03	3.554−03
31	58	1.263−03	1.493−03	1.589−03	1.688−03	1.913−03	2.226−03	2.382−03	2.560−03
31	59	9.372−03	1.114−02	1.189−02	1.266−02	1.438−02	1.680−02	1.800−02	1.936−02
31	60	5.318−03	4.295−03	3.847−03	3.460−03	3.066−03	2.497−03	2.411−03	2.395−03
31	61	1.065−04	8.021−05	7.172−05	6.475−05	5.720−05	4.780−05	4.744−05	4.842−05
31	62	2.396−03	1.899−03	1.662−03	1.455−03	1.241−03	9.182−04	8.553−04	8.258−04
31	63	2.496−03	2.985−03	3.192−03	3.404−03	3.871−03	4.516−03	4.841−03	5.206−03
31	64	4.683−04	3.314−04	2.831−04	2.394−04	1.696−04	1.074−04	9.379−05	8.423−05
31	65	3.707−04	2.830−04	2.452−04	2.118−04	1.722−04	1.225−04	1.126−04	1.073−04
31	66	1.576−01	1.891−01	2.024−01	2.159−01	2.457−01	2.858−01	3.065−01	3.295−01
31	67	3.831−04	3.430−04	3.187−04	2.976−04	2.819−04	2.491−04	2.445−04	2.453−04
31	68	5.942−04	4.685−04	4.191−04	3.760−04	3.227−04	2.618−04	2.524−04	2.498−04
31	69	7.101−05	6.116−05	5.870−05	5.670−05	5.519−05	5.416−05	5.631−05	5.885−05
31	70	9.719−05	6.398−05	5.316−05	4.359−05	2.827−05	1.533−05	1.270−05	1.094−05
31	71	5.969−04	4.936−04	4.390−04	3.914−04	3.477−04	2.772−04	2.651−04	2.612−04
31	72	3.235−03	3.857−03	4.128−03	4.411−03	5.041−03	5.974−03	6.422−03	6.934−03
31	73	7.800−05	7.270−05	7.134−05	7.037−05	6.980−05	7.090−05	7.257−05	7.500−05
31	74	2.687−04	3.167−04	3.382−04	3.609−04	4.117−04	4.892−04	5.263−04	5.689−04
31	75	1.873−03	2.246−03	2.408−03	2.576−03	2.948−03	3.484−03	3.747−03	4.045−03
31	76	3.937−04	4.483−04	4.714−04	4.949−04	5.543−04	6.230−04	6.644−04	7.104−04
31	77	1.552−02	1.860−02	1.994−02	2.129−02	2.431−02	2.843−02	3.055−02	3.290−02
31	78	1.227−04	1.271−04	1.294−04	1.326−04	1.444−04	1.603−04	1.701−04	1.820−04
31	79	9.440−05	8.578−05	8.275−05	8.039−05	7.912−05	7.736−05	7.863−05	8.095−05
31	80	3.727−04	3.980−04	4.095−04	4.200−04	4.500−04	4.769−04	5.035−04	5.305−04
31	81	4.382−02	5.201−02	5.559−02	5.926−02	6.750−02	7.891−02	8.478−02	9.133−02
31	82	2.816−02	3.365−02	3.604−02	3.849−02	4.398−02	5.160−02	5.548−02	5.982−02
31	83	6.211−02	7.431−02	7.964−02	8.514−02	9.742−02	1.147−01	1.234−01	1.331−01
31	84	2.326−02	2.787−02	2.988−02	3.193−02	3.651−02	4.277−02	4.599−02	4.957−02
31	85	1.081−03	7.434−04	6.198−04	5.060−04	3.189−04	1.474−04	1.056−04	7.241−05
31	86	2.081−02	2.454−02	2.620−02	2.793−02	3.185−02	3.753−02	4.038−02	4.360−02
31	87	8.187−02	9.765−02	1.045−01	1.115−01	1.273−01	1.484−01	1.594−01	1.717−01
31	88	1.319−05	1.233−05	1.202−05	1.179−05	1.167−05	1.158−05	1.176−05	1.208−05
31	89	1.913−05	1.645−05	1.554−05	1.474−05	1.365−05	1.281−05	1.284−05	1.304−05
31	90	3.056−05	2.761−05	2.628−05	2.517−05	2.421−05	2.300−05	2.303−05	2.343−05
31	91	9.019−06	8.321−06	8.083−06	7.905−06	7.845−06	7.790−06	7.937−06	8.185−06
31	92	8.791−05	8.367−05	8.211−05	8.107−05	8.180−05	8.220−05	8.395−05	8.671−05
31	93	3.345−02	3.998−02	4.285−02	4.579−02	5.240−02	6.149−02	6.617−02	7.137−02
31	94	7.151−06	5.537−06	4.960−06	4.459−06	3.788−06	3.260−06	3.222−06	3.251−06
31	95	8.324−05	7.743−05	7.576−05	7.457−05	7.411−05	7.455−05	7.605−05	7.845−05
31	96	6.026−05	5.892−05	5.821−05	5.772−05	5.815−05	5.870−05	5.974−05	6.145−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
31	97	2.420−05	2.228−05	2.164−05	2.113−05	2.066−05	2.060−05	2.092−05	2.151−05
31	98	2.431−05	1.492−05	1.207−05	9.626−06	5.810−06	2.767−06	2.219−06	1.919−06
31	99	1.441−05	1.065−05	9.502−06	8.536−06	7.172−06	6.046−06	5.950−06	6.009−06
31	100	2.230−05	1.831−05	1.703−05	1.601−05	1.524−05	1.402−05	1.432−05	1.487−05
31	101	3.644−06	2.555−06	2.235−06	1.963−06	1.525−06	1.229−06	1.189−06	1.184−06
31	102	6.647−04	6.678−04	6.690−04	6.726−04	6.959−04	7.180−04	7.372−04	7.638−04
31	103	2.217−04	2.228−04	2.232−04	2.242−04	2.303−04	2.374−04	2.432−04	2.514−04
31	104	4.916−05	4.953−05	4.967−05	4.997−05	5.153−05	5.333−05	5.470−05	5.661−05
31	105	1.879−04	1.823−04	1.809−04	1.804−04	1.839−04	1.890−04	1.944−04	2.018−04
31	106	3.775−05	3.873−05	3.928−05	3.973−05	4.162−05	4.299−05	4.516−05	4.734−05
31	107	8.985−06	7.687−06	7.117−06	6.647−06	6.354−06	5.660−06	5.648−06	5.759−06
31	108	5.963−04	6.987−04	7.446−04	7.917−04	8.999−04	1.048−03	1.127−03	1.215−03
31	109	6.665−03	7.973−03	8.559−03	9.169−03	1.055−02	1.251−02	1.350−02	1.460−02
31	110	1.877−04	1.294−04	1.080−04	8.823−05	5.576−05	2.591−05	1.864−05	1.283−05
31	111	1.602−04	1.239−04	1.110−04	9.947−05	8.207−05	7.003−05	6.913−05	6.994−05
31	112	1.731−03	1.991−03	2.114−03	2.250−03	2.559−03	3.062−03	3.292−03	3.557−03
31	113	3.418−06	2.705−06	2.458−06	2.242−06	1.930−06	1.755−06	1.765−06	1.815−06
31	114	5.277−06	5.109−06	5.025−06	4.960−06	4.949−06	4.980−06	5.054−06	5.186−06
31	115	1.573−06	9.844−07	7.981−07	6.345−07	3.670−07	1.546−07	1.099−07	7.917−08
31	116	7.250−06	7.318−06	7.329−06	7.344−06	7.534−06	7.738−06	7.962−06	8.226−06
31	117	1.601−06	1.399−06	1.342−06	1.295−06	1.242−06	1.219−06	1.239−06	1.274−06
31	118	7.762−06	7.825−06	7.850−06	7.894−06	8.103−06	8.384−06	8.590−06	8.879−06
31	119	1.136−06	7.629−07	6.469−07	5.497−07	4.202−07	2.969−07	2.818−07	2.804−07
31	120	3.760−04	4.092−04	4.268−04	4.476−04	4.984−04	5.877−04	6.302−04	6.799−04
31	121	3.403−06	3.267−06	3.217−06	3.184−06	3.227−06	3.252−06	3.323−06	3.433−06
31	122	5.148−06	4.967−06	4.903−06	4.856−06	4.888−06	4.964−06	5.082−06	5.243−06
31	123	4.939−06	4.852−06	4.824−06	4.815−06	4.915−06	5.028−06	5.149−06	5.324−06
31	124	6.802−07	6.580−07	6.423−07	6.215−07	6.260−07	6.192−07	6.581−07	6.804−07
31	125	1.273−06	9.852−07	8.736−07	7.748−07	6.466−07	5.038−07	4.797−07	4.696−07
32	33	3.297−03	3.052−03	2.975−03	2.916−03	2.877−03	2.935−03	3.016−03	3.122−03
32	34	4.041−02	3.246−02	2.981−02	2.764−02	2.537−02	2.257−02	2.259−02	2.309−02
32	35	1.116−02	7.973−03	6.870−03	5.974−03	5.146−03	3.746−03	3.633−03	3.689−03
32	36	5.601−03	4.551−03	4.226−03	3.950−03	3.544−03	3.269−03	3.268−03	3.320−03
32	37	3.925−03	3.264−03	3.038−03	2.841−03	2.564−03	2.334−03	2.323−03	2.348−03
32	38	3.582−03	2.892−03	2.657−03	2.473−03	2.348−03	2.098−03	2.115−03	2.182−03
32	39	1.506−02	1.742−02	1.827−02	1.915−02	2.116−02	2.403−02	2.540−02	2.702−02
32	40	2.089−02	2.415−02	2.532−02	2.654−02	2.934−02	3.330−02	3.519−02	3.743−02
32	41	1.943−03	1.190−03	9.666−04	7.735−04	4.541−04	2.262−04	1.817−04	1.554−04
32	42	3.698−03	2.328−03	1.950−03	1.633−03	1.109−03	7.792−04	7.350−04	7.265−04
32	43	4.603−05	2.628−05	2.073−05	1.599−05	7.893−06	2.944−06	1.993−06	1.438−06
32	44	1.544−04	1.342−04	1.257−04	1.188−04	1.146−04	1.053−04	1.057−04	1.082−04
32	45	1.937−04	1.230−04	1.010−04	8.160−05	4.942−05	2.514−05	2.009−05	1.671−05
32	46	2.411−02	2.803−02	2.950−02	3.104−02	3.448−02	3.955−02	4.193−02	4.473−02
32	47	2.734−02	3.261−02	3.475−02	3.691−02	4.165−02	4.828−02	5.152−02	5.522−02
32	48	4.010−03	4.774−03	5.087−03	5.406−03	6.103−03	7.088−03	7.571−03	8.119−03
32	49	1.151−02	1.373−02	1.463−02	1.554−02	1.754−02	2.036−02	2.174−02	2.330−02
32	50	6.540−05	3.754−05	2.955−05	2.274−05	1.146−05	3.714−06	2.283−06	1.475−06
32	51	7.352−03	5.981−03	5.259−03	4.626−03	4.025−03	3.014−03	2.808−03	2.711−03
32	52	2.868−03	2.434−03	2.220−03	2.039−03	1.904−03	1.631−03	1.600−03	1.611−03
32	53	1.088−02	9.251−03	8.419−03	7.714−03	7.207−03	6.117−03	5.987−03	6.016−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
32	54	7.210−03	6.181−03	5.644−03	5.191−03	4.897−03	4.195−03	4.119−03	4.150−03
32	55	7.732−04	9.264−04	9.900−04	1.054−03	1.196−03	1.392−03	1.490−03	1.600−03
32	56	3.212−03	3.821−03	4.075−03	4.336−03	4.911−03	5.731−03	6.133−03	6.589−03
32	57	3.417−05	2.591−05	2.294−05	2.023−05	1.574−05	1.228−05	1.149−05	1.098−05
32	58	1.519−03	1.463−03	1.449−03	1.441−03	1.449−03	1.480−03	1.513−03	1.562−03
32	59	2.096−03	1.938−03	1.884−03	1.844−03	1.834−03	1.818−03	1.852−03	1.911−03
32	60	4.664−03	5.580−03	5.966−03	6.363−03	7.235−03	8.489−03	9.099−03	9.792−03
32	61	3.266−03	3.065−03	2.989−03	2.934−03	2.948−03	2.933−03	2.991−03	3.088−03
32	62	2.940−05	2.581−05	2.468−05	2.369−05	2.296−05	2.166−05	2.232−05	2.311−05
32	63	3.046−04	2.702−04	2.540−04	2.399−04	2.248−04	2.069−04	2.049−04	2.066−04
32	64	1.236−03	1.472−03	1.573−03	1.679−03	1.911−03	2.254−03	2.419−03	2.607−03
32	65	3.233−04	3.833−04	4.090−04	4.358−04	4.957−04	5.830−04	6.253−04	6.738−04
32	66	1.407−05	1.066−05	9.453−06	8.397−06	6.758−06	5.565−06	5.264−06	5.111−06
32	67	4.551−03	5.460−03	5.848−03	6.243−03	7.116−03	8.321−03	8.930−03	9.612−03
32	68	7.407−05	8.778−05	9.369−05	9.973−05	1.132−04	1.321−04	1.417−04	1.525−04
32	69	2.854−03	1.991−03	1.667−03	1.373−03	9.211−04	4.883−04	3.859−04	3.099−04
32	70	2.668−04	2.455−04	2.368−04	2.300−04	2.282−04	2.225−04	2.259−04	2.324−04
32	71	3.535−03	4.226−03	4.522−03	4.819−03	5.482−03	6.367−03	6.829−03	7.341−03
32	72	9.653−04	6.513−04	5.392−04	4.380−04	2.773−04	1.316−04	9.735−05	7.169−05
32	73	3.250−02	3.848−02	4.106−02	4.366−02	4.951−02	5.740−02	6.155−02	6.615−02
32	74	3.974−04	2.674−04	2.218−04	1.807−04	1.144−04	5.561−05	4.204−05	3.187−05
32	75	2.088−04	1.627−04	1.419−04	1.234−04	9.995−05	7.218−05	6.581−05	6.198−05
32	76	7.315−05	5.646−05	4.969−05	4.351−05	3.424−05	2.557−05	2.348−05	2.210−05
32	77	2.314−04	1.750−04	1.517−04	1.309−04	1.029−04	7.376−05	6.729−05	6.339−05
32	78	1.274−04	1.150−04	1.110−04	1.078−04	1.046−04	1.028−04	1.044−04	1.072−04
32	79	6.789−03	8.152−03	8.736−03	9.327−03	1.064−02	1.240−02	1.331−02	1.433−02
32	80	2.548−04	1.831−04	1.549−04	1.294−04	9.189−05	5.477−05	4.588−05	3.954−05
32	81	3.362−05	2.537−05	2.224−05	1.973−05	1.807−05	1.394−05	1.368−05	1.398−05
32	82	1.227−05	1.003−05	8.964−06	8.013−06	6.826−06	5.553−06	5.232−06	5.067−06
32	83	2.231−05	2.047−05	1.968−05	1.903−05	1.835−05	1.795−05	1.808−05	1.845−05
32	84	1.050−05	7.840−06	6.946−06	6.181−06	5.193−06	4.284−06	4.247−06	4.318−06
32	85	9.763−06	7.827−06	7.128−06	6.540−06	5.884−06	5.122−06	5.067−06	5.128−06
32	86	1.118−05	8.354−06	7.394−06	6.620−06	5.926−06	4.934−06	4.930−06	5.074−06
32	87	2.579−05	1.878−05	1.631−05	1.412−05	1.080−05	7.833−06	7.249−06	6.912−06
32	88	1.268−01	1.517−01	1.627−01	1.739−01	1.989−01	2.336−01	2.513−01	2.711−01
32	89	1.053−03	1.256−03	1.344−03	1.434−03	1.635−03	1.902−03	2.044−03	2.200−03
32	90	9.368−02	1.116−01	1.195−01	1.275−01	1.456−01	1.702−01	1.830−01	1.972−01
32	91	1.105−01	1.323−01	1.419−01	1.517−01	1.737−01	2.043−01	2.198−01	2.372−01
32	92	2.984−04	2.067−04	1.729−04	1.416−04	9.043−05	4.301−05	3.147−05	2.228−05
32	93	6.658−06	4.789−06	4.138−06	3.583−06	2.868−06	2.115−06	2.004−06	1.972−06
32	94	1.945−02	2.327−02	2.495−02	2.668−02	3.056−02	3.598−02	3.872−02	4.180−02
32	95	1.442−03	9.964−04	8.320−04	6.802−04	4.305−04	2.003−04	1.440−04	9.892−05
32	96	1.565−03	1.854−03	1.983−03	2.116−03	2.418−03	2.851−03	3.069−03	3.314−03
32	97	9.255−03	1.103−02	1.181−02	1.262−02	1.444−02	1.699−02	1.829−02	1.974−02
32	98	1.521−06	1.232−06	1.130−06	1.048−06	9.963−07	8.719−07	8.761−07	9.018−07
32	99	2.615−04	2.258−04	2.137−04	2.029−04	1.897−04	1.817−04	1.864−04	1.931−04
32	100	3.779−04	3.756−04	3.781−04	3.828−04	4.031−04	4.459−04	4.731−04	5.058−04
32	101	8.949−05	8.350−05	8.194−05	8.096−05	8.169−05	8.703−05	9.151−05	9.717−05
32	102	4.727−04	3.271−04	2.735−04	2.240−04	1.428−04	6.774−05	4.949−05	3.496−05
32	103	1.908−03	2.263−03	2.421−03	2.582−03	2.946−03	3.442−03	3.702−03	3.991−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
32	104	1.431−04	1.592−04	1.670−04	1.754−04	1.960−04	2.280−04	2.447−04	2.639−04
32	105	1.240−03	1.454−03	1.550−03	1.650−03	1.879−03	2.203−03	2.371−03	2.558−03
32	106	1.967−06	1.610−06	1.466−06	1.339−06	1.169−06	1.042−06	1.026−06	1.029−06
32	107	7.771−05	8.698−05	9.133−05	9.587−05	1.068−04	1.222−04	1.309−04	1.406−04
32	108	3.973−06	2.917−06	2.540−06	2.205−06	1.699−06	1.246−06	1.156−06	1.104−06
32	109	1.540−06	1.175−06	1.042−06	9.229−07	7.368−07	5.814−07	5.498−07	5.318−07
32	110	6.907−07	5.720−07	5.060−07	4.457−07	3.699−07	2.848−07	2.604−07	2.445−07
32	111	3.727−07	2.911−07	2.633−07	2.388−07	2.005−07	1.707−07	1.658−07	1.644−07
32	112	1.444−06	1.226−06	1.117−06	1.020−06	9.273−07	8.479−07	8.513−07	8.660−07
32	113	1.639−06	1.132−06	9.540−07	7.929−07	5.353−07	3.058−07	2.546−07	2.173−07
32	114	8.564−06	6.009−06	5.067−06	4.201−06	2.800−06	1.492−06	1.183−06	9.432−07
32	115	1.440−07	1.001−07	8.737−08	7.668−08	5.959−08	4.892−08	4.747−08	4.749−08
32	116	1.456−04	1.696−04	1.808−04	1.932−04	2.211−04	2.661−04	2.863−04	3.096−04
32	117	4.125−04	4.778−04	5.085−04	5.424−04	6.190−04	7.431−04	7.994−04	8.644−04
32	118	1.494−04	1.755−04	1.876−04	2.010−04	2.311−04	2.794−04	3.009−04	3.258−04
32	119	6.403−05	4.446−05	3.722−05	3.054−05	1.959−05	9.439−06	6.972−06	5.008−06
32	120	9.676−07	7.725−07	7.000−07	6.354−07	5.464−07	4.781−07	4.745−07	4.778−07
32	121	1.180−05	1.393−05	1.493−05	1.603−05	1.852−05	2.252−05	2.429−05	2.634−05
32	122	5.715−06	5.907−06	6.062−06	6.273−06	6.865−06	8.017−06	8.577−06	9.251−06
32	123	5.551−05	6.334−05	6.703−05	7.108−05	8.030−05	9.548−05	1.027−04	1.109−04
32	124	2.470−05	1.678−05	1.402−05	1.154−05	7.604−06	4.249−06	3.517−06	3.006−06
32	125	1.804−05	2.060−05	2.184−05	2.322−05	2.642−05	3.171−05	3.414−05	3.695−05
33	34	9.299−04	7.231−04	6.543−04	5.967−04	5.280−04	4.517−04	4.472−04	4.534−04
33	35	1.292−03	1.164−03	1.125−03	1.095−03	1.072−03	1.060−03	1.078−03	1.110−03
33	36	1.348−04	1.037−04	9.431−05	8.636−05	7.478−05	6.755−05	6.807−05	6.976−05
33	37	6.050−05	4.005−05	3.303−05	2.670−05	1.624−05	7.390−06	5.304−06	3.717−06
33	38	4.154−04	3.659−04	3.510−04	3.391−04	3.240−04	3.190−04	3.229−04	3.312−04
33	39	3.887−01	4.498−01	4.720−01	4.948−01	5.470−01	6.215−01	6.568−01	6.988−01
33	40	7.811−01	9.040−01	9.487−01	9.949−01	1.101+00	1.252+00	1.324+00	1.409+00
33	41	9.750−04	8.533−04	8.160−04	7.853−04	7.471−04	7.253−04	7.340−04	7.523−04
33	42	4.969−04	4.447−04	4.312−04	4.213−04	4.119−04	4.122−04	4.208−04	4.346−04
33	43	1.782−03	1.007−03	7.901−04	6.046−04	2.848−04	9.148−05	5.349−05	3.056−05
33	44	3.084−03	2.515−03	2.276−03	2.074−03	1.881−03	1.588−03	1.556−03	1.564−03
33	45	4.207−03	2.875−03	2.397−03	1.968−03	1.295−03	6.810−04	5.390−04	4.358−04
33	46	7.935−01	9.223−01	9.709−01	1.021+00	1.135+00	1.301+00	1.380+00	1.472+00
33	47	1.095+00	1.305+00	1.390+00	1.477+00	1.666+00	1.933+00	2.063+00	2.211+00
33	48	9.522−02	1.135−01	1.210−01	1.286−01	1.453−01	1.690−01	1.805−01	1.936−01
33	49	4.319−01	5.150−01	5.488−01	5.832−01	6.583−01	7.642−01	8.160−01	8.748−01
33	50	2.206−03	1.256−03	9.860−04	7.562−04	3.716−04	1.137−04	6.607−05	3.912−05
33	51	1.348−02	1.280−02	1.264−02	1.256−02	1.263−02	1.291−02	1.322−02	1.367−02
33	52	3.327−03	2.544−03	2.317−03	2.127−03	1.833−03	1.662−03	1.654−03	1.680−03
33	53	2.221−03	1.814−03	1.691−03	1.588−03	1.437−03	1.355−03	1.358−03	1.384−03
33	54	8.371−04	6.211−04	5.541−04	4.984−04	4.240−04	3.619−04	3.577−04	3.628−04
33	55	1.190−02	1.426−02	1.524−02	1.623−02	1.840−02	2.142−02	2.292−02	2.461−02
33	56	2.773−02	3.320−02	3.548−02	3.779−02	4.288−02	5.003−02	5.354−02	5.753−02
33	57	7.255−05	7.133−05	7.114−05	7.118−05	7.229−05	7.450−05	7.628−05	7.882−05
33	58	4.042−02	3.979−02	3.974−02	3.983−02	4.061−02	4.196−02	4.303−02	4.451−02
33	59	3.168−02	3.132−02	3.131−02	3.141−02	3.207−02	3.316−02	3.400−02	3.517−02
33	60	1.474−01	1.764−01	1.886−01	2.011−01	2.287−01	2.683−01	2.876−01	3.095−01
33	61	6.644−02	6.580−02	6.581−02	6.604−02	6.745−02	6.976−02	7.153−02	7.399−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
33	62	2.379−03	2.786−03	2.956−03	3.121−03	3.498−03	3.944−03	4.210−03	4.495−03
33	63	1.832−02	1.817−02	1.819−02	1.826−02	1.867−02	1.932−02	1.982−02	2.051−02
33	64	4.201−02	5.016−02	5.364−02	5.725−02	6.521−02	7.693−02	8.256−02	8.898−02
33	65	2.261−03	2.671−03	2.848−03	3.033−03	3.445−03	4.056−03	4.352−03	4.690−03
33	66	7.010−05	6.882−05	6.855−05	6.853−05	6.952−05	7.156−05	7.324−05	7.565−05
33	67	1.369−01	1.642−01	1.758−01	1.876−01	2.138−01	2.498−01	2.680−01	2.884−01
33	68	7.725−03	9.237−03	9.886−03	1.056−02	1.204−02	1.418−02	1.522−02	1.641−02
33	69	4.673−04	4.354−04	4.257−04	4.185−04	4.147−04	4.155−04	4.235−04	4.364−04
33	70	2.303−03	2.303−03	2.310−03	2.323−03	2.384−03	2.469−03	2.533−03	2.621−03
33	71	1.716−01	2.056−01	2.201−01	2.348−01	2.675−01	3.122−01	3.350−01	3.605−01
33	72	1.090−03	1.064−03	1.060−03	1.059−03	1.076−03	1.106−03	1.133−03	1.171−03
33	73	1.170−03	1.394−03	1.491−03	1.588−03	1.806−03	2.100−03	2.253−03	2.423−03
33	74	7.197−05	6.344−05	6.085−05	5.875−05	5.627−05	5.500−05	5.575−05	5.722−05
33	75	3.181−05	2.956−05	2.891−05	2.843−05	2.820−05	2.831−05	2.887−05	2.977−05
33	76	1.006−03	9.863−04	9.833−04	9.843−04	1.004−03	1.034−03	1.060−03	1.097−03
33	77	9.887−05	9.419−05	9.179−05	8.977−05	8.785−05	8.792−05	8.883−05	9.077−05
33	78	3.924−04	3.881−04	3.878−04	3.888−04	3.975−04	4.112−04	4.222−04	4.371−04
33	79	6.296−04	7.552−04	8.095−04	8.649−04	9.881−04	1.158−03	1.244−03	1.340−03
33	80	4.902−05	4.331−05	4.112−05	3.922−05	3.668−05	3.491−05	3.486−05	3.533−05
33	81	6.794−06	4.795−06	4.072−06	3.434−06	2.474−06	1.661−06	1.474−06	1.357−06
33	82	1.203−05	1.077−05	1.009−05	9.469−06	8.681−06	8.018−06	7.843−06	7.811−06
33	83	3.109−05	2.566−05	2.340−05	2.150−05	1.956−05	1.810−05	1.820−05	1.862−05
33	84	4.138−05	3.640−05	3.501−05	3.412−05	3.405−05	3.785−05	4.023−05	4.282−05
33	85	1.320−05	1.084−05	9.872−06	9.026−06	7.995−06	6.876−06	6.700−06	6.681−06
33	86	7.086−05	6.378−05	6.188−05	6.084−05	6.215−05	6.949−05	7.418−05	7.921−05
33	87	6.433−05	5.444−05	4.895−05	4.415−05	3.957−05	3.259−05	3.116−05	3.062−05
33	88	1.464−02	1.752−02	1.878−02	2.008−02	2.299−02	2.705−02	2.910−02	3.140−02
33	89	1.583−02	1.856−02	1.976−02	2.097−02	2.373−02	2.735−02	2.933−02	3.151−02
33	90	1.967−03	2.338−03	2.501−03	2.665−03	3.036−03	3.531−03	3.794−03	4.084−03
33	91	2.572−03	3.078−03	3.300−03	3.528−03	4.040−03	4.752−03	5.114−03	5.518−03
33	92	1.891−05	1.282−05	1.080−05	9.027−06	6.279−06	3.821−06	3.344−06	3.050−06
33	93	2.969−05	2.527−05	2.289−05	2.082−05	1.874−05	1.588−05	1.531−05	1.513−05
33	94	1.435−01	1.709−01	1.830−01	1.955−01	2.236−01	2.630−01	2.830−01	3.055−01
33	95	4.257−05	3.090−05	2.664−05	2.278−05	1.696−05	1.115−05	9.966−06	9.179−06
33	96	3.422−04	3.975−04	4.218−04	4.473−04	5.079−04	5.896−04	6.326−04	6.813−04
33	97	1.093−02	1.305−02	1.398−02	1.495−02	1.712−02	2.016−02	2.170−02	2.343−02
33	98	1.081−05	8.172−06	7.328−06	6.642−06	5.926−06	5.012−06	4.993−06	5.114−06
33	99	4.837−04	5.744−04	6.150−04	6.578−04	7.545−04	8.965−04	9.659−04	1.045−03
33	100	4.180−04	4.956−04	5.305−04	5.671−04	6.497−04	7.705−04	8.302−04	8.978−04
33	101	1.594−04	1.788−04	1.882−04	1.986−04	2.234−04	2.639−04	2.840−04	3.072−04
33	102	4.571−05	3.988−05	3.733−05	3.522−05	3.418−05	3.054−05	3.060−05	3.128−05
33	103	2.797−04	3.221−04	3.409−04	3.593−04	4.031−04	4.548−04	4.877−04	5.224−04
33	104	1.193−04	1.068−04	1.027−04	9.908−05	9.542−05	9.288−05	9.577−05	9.933−05
33	105	3.338−04	3.909−04	4.159−04	4.418−04	5.031−04	5.835−04	6.268−04	6.753−04
33	106	2.228−05	1.809−05	1.650−05	1.517−05	1.376−05	1.289−05	1.314−05	1.358−05
33	107	5.769−04	4.582−04	4.160−04	3.771−04	3.192−04	2.652−04	2.614−04	2.609−04
33	108	1.032−04	8.945−05	8.256−05	7.667−05	7.180−05	6.378−05	6.291−05	6.340−05
33	109	3.955−05	3.380−05	3.126−05	2.904−05	2.663−05	2.378−05	2.346−05	2.359−05
33	110	3.153−05	2.582−05	2.289−05	2.031−05	1.756−05	1.372−05	1.290−05	1.250−05
33	111	5.085−06	3.551−06	3.009−06	2.525−06	1.781−06	1.093−06	9.481−07	8.502−07

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
33	112	7.413−05	6.609−05	6.210−05	5.863−05	5.654−05	5.456−05	5.595−05	5.773−05
33	113	9.413−06	7.355−06	6.537−06	5.809−06	4.830−06	3.836−06	3.646−06	3.557−06
33	114	1.456−05	1.319−05	1.258−05	1.211−05	1.227−05	1.149−05	1.167−05	1.206−05
33	115	4.886−06	3.699−06	3.332−06	3.031−06	2.678−06	2.315−06	2.307−06	2.358−06
33	116	3.699−05	4.217−05	4.466−05	4.743−05	5.392−05	6.440−05	6.935−05	7.507−05
33	117	5.868−05	6.759−05	7.188−05	7.667−05	8.769−05	1.056−04	1.137−04	1.232−04
33	118	4.055−06	2.875−06	2.463−06	2.092−06	1.498−06	1.007−06	9.077−07	8.430−07
33	119	2.380−05	2.216−05	2.129−05	2.063−05	2.119−05	1.996−05	2.029−05	2.098−05
33	120	2.112−05	1.755−05	1.618−05	1.489−05	1.319−05	1.213−05	1.234−05	1.253−05
33	121	1.827−04	2.130−04	2.274−04	2.434−04	2.798−04	3.390−04	3.654−04	3.961−04
33	122	4.201−04	4.931−04	5.274−04	5.654−04	6.519−04	7.902−04	8.516−04	9.229−04
33	123	5.046−04	5.914−04	6.320−04	6.771−04	7.814−04	9.458−04	1.019−03	1.104−03
33	124	5.475−06	5.484−06	5.531−06	5.628−06	6.034−06	6.750−06	7.142−06	7.632−06
33	125	6.836−05	7.958−05	8.490−05	9.082−05	1.044−04	1.263−04	1.362−04	1.476−04
34	35	1.771−02	1.334−02	1.193−02	1.079−02	9.604−03	8.085−03	8.042−03	8.231−03
34	36	1.403−02	1.162−02	1.072−02	1.000−02	9.579−03	8.492−03	8.532−03	8.770−03
34	37	2.441−03	1.859−03	1.678−03	1.521−03	1.245−03	1.117−03	1.090−03	1.085−03
34	38	3.815−02	2.922−02	2.636−02	2.396−02	2.086−02	1.788−02	1.769−02	1.792−02
34	39	1.560−04	1.401−04	1.331−04	1.280−04	1.294−04	1.207−04	1.226−04	1.270−04
34	40	3.398−03	3.879−03	4.054−03	4.235−03	4.647−03	5.254−03	5.541−03	5.883−03
34	41	7.311−03	5.532−03	4.976−03	4.520−03	3.986−03	3.433−03	3.419−03	3.493−03
34	42	8.376−03	5.585−03	4.745−03	4.033−03	2.973−03	2.097−03	1.976−03	1.944−03
34	43	8.368−03	9.689−03	1.016−02	1.065−02	1.177−02	1.335−02	1.410−02	1.500−02
34	44	2.410−05	2.218−05	2.146−05	2.086−05	2.009−05	1.985−05	2.003−05	2.045−05
34	45	4.640−04	3.441−04	3.037−04	2.702−04	2.320−04	1.869−04	1.830−04	1.851−04
34	46	6.549−05	5.907−05	5.679−05	5.521−05	5.577−05	5.514−05	5.680−05	5.943−05
34	47	2.109−04	2.324−04	2.413−04	2.510−04	2.747−04	3.117−04	3.300−04	3.519−04
34	48	8.926−05	7.260−05	6.670−05	6.205−05	5.915−05	5.195−05	5.224−05	5.379−05
34	49	1.241−05	7.291−06	5.837−06	4.605−06	2.585−06	1.217−06	9.814−07	8.664−07
34	50	6.652−03	5.706−03	5.242−03	4.854−03	4.605−03	4.019−03	3.973−03	4.023−03
34	51	9.426−03	7.794−03	6.990−03	6.299−03	5.687−03	4.622−03	4.454−03	4.420−03
34	52	1.434−02	1.162−02	1.029−02	9.130−03	8.021−03	6.196−03	5.869−03	5.745−03
34	53	4.337−03	3.661−03	3.304−03	3.001−03	2.783−03	2.301−03	2.234−03	2.233−03
34	54	1.580−03	1.403−03	1.322−03	1.257−03	1.228−03	1.141−03	1.148−03	1.176−03
34	55	5.171−06	3.988−06	3.592−06	3.267−06	2.935−06	2.475−06	2.457−06	2.506−06
34	56	1.151−04	1.208−04	1.243−04	1.283−04	1.389−04	1.545−04	1.641−04	1.750−04
34	57	1.460−04	1.283−04	1.191−04	1.107−04	1.003−04	9.076−05	8.841−05	8.776−05
34	58	3.063−03	2.605−03	2.373−03	2.178−03	2.043−03	1.742−03	1.709−03	1.721−03
34	59	3.013−03	2.485−03	2.232−03	2.015−03	1.829−03	1.496−03	1.448−03	1.444−03
34	60	2.533−05	2.635−05	2.694−05	2.764−05	2.961−05	3.328−05	3.530−05	3.771−05
34	61	1.127−03	7.616−04	6.332−04	5.163−04	3.235−04	1.547−04	1.147−04	8.370−05
34	62	4.725−04	5.559−04	5.915−04	6.279−04	7.094−04	8.236−04	8.813−04	9.464−04
34	63	1.479−03	1.245−03	1.129−03	1.031−03	9.554−04	8.051−04	7.867−04	7.896−04
34	64	8.266−06	5.012−06	4.067−06	3.263−06	1.953−06	1.021−06	8.576−07	7.750−07
34	65	2.413−03	2.895−03	3.098−03	3.304−03	3.760−03	4.386−03	4.701−03	5.055−03
34	66	8.947−05	6.755−05	5.930−05	5.250−05	4.672−05	3.574−05	3.474−05	3.511−05
34	67	1.397−05	8.677−06	7.164−06	5.891−06	3.883−06	2.447−06	2.236−06	2.170−06
34	68	1.126−04	1.262−04	1.324−04	1.392−04	1.552−04	1.811−04	1.939−04	2.088−04
34	69	2.498−03	1.916−03	1.671−03	1.455−03	1.182−03	8.592−04	7.938−04	7.579−04
34	70	1.622−03	1.084−03	8.945−04	7.231−04	4.459−04	1.992−04	1.412−04	9.692−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
34	71	1.171−03	1.398−03	1.495−03	1.595−03	1.817−03	2.127−03	2.283−03	2.459−03
34	72	2.406−03	1.897−03	1.678−03	1.487−03	1.274−03	9.870−04	9.376−04	9.188−04
34	73	1.517−01	1.820−01	1.949−01	2.079−01	2.369−01	2.760−01	2.961−01	3.185−01
34	74	1.702−03	1.383−03	1.237−03	1.111−03	9.866−04	7.961−04	7.661−04	7.590−04
34	75	2.771−04	2.232−04	2.010−04	1.818−04	1.604−04	1.333−04	1.295−04	1.290−04
34	76	8.863−04	5.986−04	4.960−04	4.032−04	2.544−04	1.199−04	8.836−05	6.442−05
34	77	2.339−04	1.767−04	1.571−04	1.397−04	1.136−04	9.098−05	8.724−05	8.570−05
34	78	5.129−04	3.518−04	2.932−04	2.403−04	1.575−04	8.119−05	6.322−05	4.993−05
34	79	4.159−03	4.550−03	4.732−03	4.922−03	5.400−03	6.077−03	6.477−03	6.927−03
34	80	1.077−04	8.426−05	7.617−05	6.902−05	5.800−05	5.008−05	4.900−05	4.889−05
34	81	4.734−05	3.754−05	3.362−05	3.025−05	2.614−05	2.210−05	2.145−05	2.137−05
34	82	2.546−05	2.121−05	1.888−05	1.679−05	1.441−05	1.139−05	1.061−05	1.017−05
34	83	4.405−05	3.593−05	3.200−05	2.850−05	2.430−05	1.929−05	1.812−05	1.751−05
34	84	7.685−06	5.139−06	4.290−06	3.566−06	2.562−06	1.633−06	1.461−06	1.384−06
34	85	6.961−05	5.044−05	4.328−05	3.688−05	2.737−05	1.846−05	1.648−05	1.520−05
34	86	2.057−05	1.747−05	1.653−05	1.577−05	1.476−05	1.414−05	1.427−05	1.462−05
34	87	5.008−05	3.797−05	3.313−05	2.884−05	2.316−05	1.681−05	1.554−05	1.483−05
34	88	2.298−02	2.725−02	2.913−02	3.107−02	3.542−02	4.155−02	4.467−02	4.817−02
34	89	2.205−05	2.543−05	2.695−05	2.851−05	3.212−05	3.702−05	3.971−05	4.269−05
34	90	1.130−01	1.348−01	1.444−01	1.542−01	1.762−01	2.066−01	2.222−01	2.396−01
34	91	5.039−04	3.487−04	2.915−04	2.387−04	1.523−04	7.232−05	5.291−05	3.747−05
34	92	1.317−01	1.576−01	1.688−01	1.803−01	2.060−01	2.408−01	2.589−01	2.790−01
34	93	1.124−05	8.017−06	6.783−06	5.711−06	4.366−06	2.782−06	2.484−06	2.325−06
34	94	5.958−03	7.114−03	7.622−03	8.144−03	9.314−03	1.095−02	1.178−02	1.270−02
34	95	5.621−02	6.696−02	7.167−02	7.648−02	8.729−02	1.020−01	1.097−01	1.182−01
34	96	6.594−02	7.888−02	8.456−02	9.038−02	1.034−01	1.215−01	1.307−01	1.410−01
34	97	6.415−02	7.671−02	8.224−02	8.792−02	1.006−01	1.184−01	1.274−01	1.375−01
34	98	9.490−04	6.568−04	5.490−04	4.494−04	2.860−04	1.349−04	9.801−05	6.860−05
34	99	1.789−02	2.135−02	2.287−02	2.445−02	2.799−02	3.297−02	3.550−02	3.832−02
34	100	1.450−04	1.687−04	1.793−04	1.904−04	2.159−04	2.519−04	2.707−04	2.917−04
34	101	2.942−06	2.205−06	1.945−06	1.719−06	1.422−06	1.086−06	1.039−06	1.024−06
34	102	1.358−03	9.578−04	8.107−04	6.750−04	4.539−04	2.496−04	2.027−04	1.661−04
34	103	3.149−03	3.676−03	3.914−03	4.162−03	4.730−03	5.545−03	5.963−03	6.434−03
34	104	7.486−05	5.173−05	4.321−05	3.534−05	2.241−05	1.049−05	7.585−06	5.261−06
34	105	9.713−03	1.143−02	1.220−02	1.299−02	1.481−02	1.738−02	1.870−02	2.018−02
34	106	7.773−07	5.503−07	4.677−07	3.944−07	2.867−07	1.865−07	1.648−07	1.512−07
34	107	1.907−05	1.315−05	1.097−05	8.966−06	5.665−06	2.629−06	1.888−06	1.296−06
34	108	2.520−06	1.860−06	1.635−06	1.433−06	1.078−06	8.621−07	8.145−07	7.864−07
34	109	2.900−06	2.281−06	2.066−06	1.879−06	1.611−06	1.379−06	1.351−06	1.351−06
34	110	2.246−06	1.503−06	1.246−06	1.015−06	6.504−07	3.311−07	2.580−07	2.055−07
34	111	2.538−07	1.965−07	1.760−07	1.580−07	1.312−07	1.089−07	1.049−07	1.033−07
34	112	5.104−07	3.293−07	2.713−07	2.208−07	1.429−07	7.643−08	6.383−08	5.622−08
34	113	1.858−06	1.357−06	1.162−06	9.877−07	7.361−07	4.859−07	4.299−07	3.929−07
34	114	1.247−04	1.337−04	1.386−04	1.441−04	1.584−04	1.818−04	1.947−04	2.096−04
34	115	4.374−05	3.023−05	2.525−05	2.065−05	1.308−05	6.101−06	4.395−06	3.030−06
34	116	1.259−04	1.334−04	1.379−04	1.434−04	1.576−04	1.839−04	1.965−04	2.115−04
34	117	6.276−04	7.170−04	7.598−04	8.076−04	9.175−04	1.098−03	1.180−03	1.275−03
34	118	8.478−06	5.858−06	4.893−06	4.001−06	2.534−06	1.183−06	8.524−07	5.880−07
34	119	2.521−03	2.912−03	3.096−03	3.299−03	3.758−03	4.502−03	4.841−03	5.232−03
34	120	1.323−06	9.083−07	7.572−07	6.207−07	4.099−07	2.109−07	1.653−07	1.319−07

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
34	121	1.890−07	1.540−07	1.388−07	1.256−07	1.144−07	9.119−08	8.864−08	8.871−08
34	122	4.787−05	5.521−05	5.871−05	6.261−05	7.151−05	8.601−05	9.257−05	1.002−04
34	123	4.096−05	3.718−05	3.613−05	3.543−05	3.531−05	3.780−05	3.962−05	4.204−05
34	124	9.976−05	9.836−05	9.912−05	1.008−04	1.072−04	1.222−04	1.301−04	1.397−04
34	125	3.962−05	3.718−05	3.676−05	3.672−05	3.792−05	4.212−05	4.459−05	4.770−05
35	36	3.136−02	2.750−02	2.631−02	2.539−02	2.473−02	2.397−02	2.440−02	2.517−02
35	37	4.175−03	3.683−03	3.559−03	3.465−03	3.349−03	3.357−03	3.425−03	3.534−03
35	38	3.802−02	3.290−02	3.114−02	2.978−02	2.908−02	2.747−02	2.788−02	2.877−02
35	39	5.782−04	6.175−04	6.307−04	6.463−04	6.944−04	7.578−04	7.940−04	8.391−04
35	40	3.992−03	4.495−03	4.658−03	4.832−03	5.284−03	5.848−03	6.143−03	6.502−03
35	41	8.875−03	6.618−03	5.894−03	5.290−03	4.537−03	3.764−03	3.708−03	3.756−03
35	42	1.017−02	6.879−03	5.833−03	4.943−03	3.665−03	2.518−03	2.339−03	2.274−03
35	43	8.474−02	9.808−02	1.027−01	1.075−01	1.185−01	1.338−01	1.411−01	1.498−01
35	44	6.326−05	4.383−05	3.695−05	3.079−05	2.108−05	1.257−05	1.062−05	9.251−06
35	45	6.838−04	4.948−04	4.343−04	3.823−04	3.052−04	2.388−04	2.294−04	2.269−04
35	46	8.137−03	9.383−03	9.826−03	1.029−02	1.135−02	1.284−02	1.356−02	1.441−02
35	47	1.829−02	2.131−02	2.244−02	2.361−02	2.618−02	3.005−02	3.182−02	3.392−02
35	48	1.012−04	7.832−05	7.057−05	6.428−05	5.848−05	4.932−05	4.913−05	5.028−05
35	49	2.487−05	1.403−05	1.098−05	8.388−06	3.958−06	1.204−06	6.710−07	3.593−07
35	50	2.614−02	2.280−02	2.115−02	1.979−02	1.901−02	1.702−02	1.693−02	1.721−02
35	51	3.027−03	2.346−03	2.027−03	1.746−03	1.439−03	9.916−04	8.977−04	8.462−04
35	52	4.875−03	3.406−03	2.877−03	2.397−03	1.636−03	9.321−04	7.717−04	6.544−04
35	53	3.329−03	3.072−03	2.966−03	2.887−03	2.890−03	2.820−03	2.869−03	2.960−03
35	54	3.568−04	3.244−04	3.076−04	2.931−04	2.784−04	2.618−04	2.602−04	2.629−04
35	55	7.260−06	4.116−06	3.229−06	2.475−06	1.195−06	3.735−07	2.185−07	1.297−07
35	56	6.587−04	7.644−04	8.066−04	8.499−04	9.537−04	1.082−03	1.153−03	1.232−03
35	57	6.755−05	6.120−05	5.844−05	5.598−05	5.221−05	5.082−05	5.066−05	5.115−05
35	58	6.279−03	5.271−03	4.843−03	4.482−03	4.177−03	3.660−03	3.626−03	3.673−03
35	59	9.951−04	8.097−04	7.406−04	6.829−04	6.278−04	5.473−04	5.440−04	5.531−04
35	60	2.892−03	3.423−03	3.645−03	3.873−03	4.379−03	5.106−03	5.461−03	5.866−03
35	61	7.290−03	6.021−03	5.311−03	4.684−03	4.084−03	3.099−03	2.882−03	2.773−03
35	62	4.191−05	4.455−05	4.570−05	4.665−05	5.013−05	5.173−05	5.483−05	5.772−05
35	63	1.277−04	1.043−04	9.707−05	9.111−05	8.322−05	7.749−05	7.789−05	7.958−05
35	64	1.549−05	9.916−06	8.119−06	6.520−06	3.854−06	1.720−06	1.244−06	8.984−07
35	65	5.448−03	6.540−03	6.998−03	7.462−03	8.484−03	9.885−03	1.059−02	1.138−02
35	66	9.220−05	6.599−05	5.737−05	4.982−05	3.825−05	2.846−05	2.675−05	2.593−05
35	67	4.437−05	3.974−05	3.768−05	3.615−05	3.674−05	3.380−05	3.432−05	3.553−05
35	68	1.979−03	2.370−03	2.536−03	2.706−03	3.079−03	3.601−03	3.861−03	4.153−03
35	69	1.262−03	9.623−04	8.317−04	7.158−04	5.718−04	3.980−04	3.600−04	3.375−04
35	70	3.030−03	2.233−03	1.907−03	1.616−03	1.224−03	7.959−04	6.995−04	6.374−04
35	71	6.946−05	7.103−05	7.255−05	7.450−05	8.046−05	9.037−05	9.626−05	1.031−04
35	72	2.632−03	2.162−03	1.940−03	1.749−03	1.571−03	1.281−03	1.237−03	1.229−03
35	73	7.152−02	8.580−02	9.186−02	9.797−02	1.115−01	1.297−01	1.391−01	1.495−01
35	74	1.195−03	9.894−04	8.931−04	8.110−04	7.409−04	6.159−04	5.999−04	6.005−04
35	75	2.162−04	1.887−04	1.771−04	1.674−04	1.587−04	1.472−04	1.472−04	1.499−04
35	76	1.808−03	1.276−03	1.078−03	9.004−04	6.347−04	3.768−04	3.194−04	2.795−04
35	77	3.049−04	2.086−04	1.746−04	1.440−04	9.589−05	5.165−05	4.179−05	3.469−05
35	78	1.450−03	1.035−03	8.855−04	7.523−04	5.533−04	3.609−04	3.219−04	2.969−04
35	79	5.675−02	6.769−02	7.237−02	7.707−02	8.757−02	1.015−01	1.089−01	1.170−01
35	80	7.978−05	6.256−05	5.671−05	5.170−05	4.510−05	3.908−05	3.862−05	3.900−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
35	81	8.558−05	7.809−05	7.566−05	7.354−05	6.874−05	7.222−05	7.366−05	7.571−05
35	82	2.270−05	2.045−05	1.949−05	1.867−05	1.775−05	1.698−05	1.700−05	1.726−05
35	83	1.825−05	1.580−05	1.499−05	1.433−05	1.361−05	1.294−05	1.306−05	1.338−05
35	84	8.355−06	5.968−06	5.226−06	4.605−06	3.761−06	2.981−06	2.900−06	2.915−06
35	85	3.517−05	2.541−05	2.189−05	1.882−05	1.456−05	1.037−05	9.573−06	9.165−06
35	86	2.886−05	2.297−05	2.071−05	1.871−05	1.580−05	1.344−05	1.294−05	1.274−05
35	87	4.234−05	3.658−05	3.395−05	3.165−05	2.913−05	2.626−05	2.596−05	2.617−05
35	88	2.931−02	3.482−02	3.724−02	3.971−02	4.527−02	5.300−02	5.696−02	6.138−02
35	89	8.568−04	1.024−03	1.097−03	1.174−03	1.344−03	1.591−03	1.712−03	1.849−03
35	90	1.437−02	1.708−02	1.827−02	1.948−02	2.219−02	2.593−02	2.786−02	3.001−02
35	91	2.162−04	1.489−04	1.243−04	1.015−04	6.414−05	2.979−05	2.140−05	1.472−05
35	92	1.077−01	1.289−01	1.381−01	1.474−01	1.683−01	1.963−01	2.109−01	2.271−01
35	93	9.472−06	8.074−06	7.620−06	7.232−06	6.652−06	6.352−06	6.364−06	6.466−06
35	94	1.785−05	1.815−05	1.837−05	1.867−05	1.983−05	2.153−05	2.274−05	2.417−05
35	95	1.498−01	1.786−01	1.912−01	2.040−01	2.328−01	2.717−01	2.921−01	3.146−01
35	96	5.387−02	6.442−02	6.904−02	7.378−02	8.440−02	9.913−02	1.066−01	1.150−01
35	97	2.469−02	2.944−02	3.152−02	3.366−02	3.847−02	4.519−02	4.861−02	5.243−02
35	98	1.935−04	1.339−04	1.121−04	9.196−05	5.912−05	2.873−05	2.143−05	1.568−05
35	99	2.269−02	2.689−02	2.875−02	3.067−02	3.502−02	4.118−02	4.430−02	4.781−02
35	100	7.187−03	8.457−03	9.023−03	9.611−03	1.094−02	1.283−02	1.380−02	1.489−02
35	101	7.385−05	5.108−05	4.271−05	3.499−05	2.233−05	1.065−05	7.814−06	5.562−06
35	102	3.351−04	3.545−04	3.639−04	3.729−04	4.003−04	4.293−04	4.548−04	4.817−04
35	103	4.536−02	5.372−02	5.742−02	6.124−02	6.987−02	8.188−02	8.807−02	9.498−02
35	104	3.408−04	2.359−04	1.972−04	1.615−04	1.027−04	4.857−05	3.534−05	2.479−05
35	105	8.153−04	8.135−04	8.200−04	8.305−04	8.743−04	9.616−04	1.019−03	1.088−03
35	106	1.674−06	1.287−06	1.135−06	1.002−06	8.381−07	6.447−07	6.115−07	5.985−07
35	107	1.394−04	9.614−05	8.022−05	6.554−05	4.143−05	1.925−05	1.383−05	9.507−06
35	108	7.471−06	6.830−06	6.555−06	6.299−06	5.942−06	5.726−06	5.798−06	5.931−06
35	109	7.445−07	5.547−07	4.870−07	4.287−07	3.468−07	3.223−07	3.292−07	3.401−07
35	110	5.613−06	4.492−06	4.049−06	3.663−06	3.200−06	2.660−06	2.585−06	2.573−06
35	111	5.644−07	3.885−07	3.281−07	2.738−07	1.862−07	1.111−07	9.470−08	8.310−08
35	112	1.125−06	9.596−07	8.946−07	8.344−07	7.328−07	6.713−07	6.583−07	6.542−07
35	113	1.104−06	7.954−07	6.742−07	5.643−07	3.981−07	2.416−07	2.026−07	1.743−07
35	114	1.141−03	1.356−03	1.452−03	1.552−03	1.778−03	2.096−03	2.259−03	2.440−03
35	115	6.183−06	4.493−06	3.852−06	3.266−06	2.379−06	1.466−06	1.269−06	1.127−06
35	116	1.511−04	1.762−04	1.877−04	1.999−04	2.279−04	2.690−04	2.898−04	3.134−04
35	117	1.375−03	1.597−03	1.698−03	1.805−03	2.051−03	2.406−03	2.590−03	2.797−03
35	118	3.145−05	2.172−05	1.814−05	1.483−05	9.381−06	4.363−06	3.137−06	2.155−06
35	119	3.092−03	3.569−03	3.792−03	4.037−03	4.592−03	5.491−03	5.902−03	6.375−03
35	120	6.873−07	4.859−07	4.108−07	3.421−07	2.320−07	1.321−07	1.076−07	8.904−08
35	121	4.361−05	3.013−05	2.515−05	2.057−05	1.302−05	6.062−06	4.361−06	3.001−06
35	122	5.624−04	6.269−04	6.591−04	6.959−04	7.829−04	9.303−04	9.985−04	1.078−03
35	123	2.413−04	2.757−04	2.921−04	3.103−04	3.517−04	4.197−04	4.510−04	4.872−04
35	124	3.560−05	3.184−05	3.082−05	3.015−05	3.002−05	3.225−05	3.389−05	3.607−05
35	125	4.567−05	3.373−05	2.963−05	2.602−05	2.059−05	1.672−05	1.626−05	1.628−05
36	37	2.104−02	1.809−02	1.719−02	1.646−02	1.565−02	1.503−02	1.523−02	1.565−02
36	38	1.180−02	9.065−03	8.019−03	7.180−03	6.595−03	5.226−03	5.139−03	5.242−03
36	39	1.094−02	1.260−02	1.313−02	1.368−02	1.499−02	1.667−02	1.750−02	1.850−02
36	40	9.245−03	1.065−02	1.111−02	1.157−02	1.265−02	1.409−02	1.479−02	1.562−02
36	41	4.386−03	2.588−03	2.073−03	1.630−03	8.697−04	3.768−04	2.786−04	2.198−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
36	42	9.518−03	7.174−03	6.522−03	5.982−03	5.164−03	4.678−03	4.682−03	4.781−03
36	43	1.383−05	1.070−05	9.624−06	8.743−06	7.906−06	6.588−06	6.539−06	6.672−06
36	44	1.230−04	1.128−04	1.095−04	1.072−04	1.070−04	1.059−04	1.081−04	1.118−04
36	45	3.544−04	2.382−04	2.013−04	1.696−04	1.212−04	8.425−05	7.804−05	7.534−05
36	46	4.668−03	5.390−03	5.643−03	5.904−03	6.510−03	7.347−03	7.750−03	8.231−03
36	47	1.721−03	1.991−03	2.090−03	2.194−03	2.428−03	2.769−03	2.930−03	3.121−03
36	48	5.250−03	6.091−03	6.400−03	6.719−03	7.432−03	8.485−03	8.974−03	9.554−03
36	49	3.222−05	4.901−05	5.575−05	6.126−05	6.217−05	8.196−05	8.490−05	8.774−05
36	50	1.826−04	1.212−04	9.984−05	8.064−05	4.980−05	2.239−05	1.612−05	1.142−05
36	51	4.750−03	3.332−03	2.808−03	2.337−03	1.625−03	9.303−04	7.756−04	6.667−04
36	52	1.438−02	1.227−02	1.115−02	1.020−02	9.600−03	8.084−03	7.904−03	7.945−03
36	53	2.594−03	1.854−03	1.578−03	1.331−03	9.636−04	6.016−04	5.232−04	4.703−04
36	54	2.187−03	1.816−03	1.634−03	1.479−03	1.355−03	1.108−03	1.075−03	1.073−03
36	55	1.692−05	1.397−05	1.318−05	1.256−05	1.176−05	1.193−05	1.238−05	1.303−05
36	56	1.147−03	1.351−03	1.435−03	1.521−03	1.712−03	1.988−03	2.122−03	2.276−03
36	57	6.080−05	4.166−05	3.544−05	2.981−05	1.966−05	1.301−05	1.138−05	1.015−05
36	58	2.767−03	2.402−03	2.227−03	2.082−03	2.009−03	1.792−03	1.785−03	1.819−03
36	59	1.985−03	1.535−03	1.337−03	1.164−03	9.663−04	7.024−04	6.508−04	6.251−04
36	60	2.031−04	2.378−04	2.524−04	2.676−04	3.017−04	3.512−04	3.755−04	4.034−04
36	61	1.317−03	1.108−03	1.027−03	9.601−04	9.079−04	8.184−04	8.190−04	8.366−04
36	62	8.539−04	1.018−03	1.087−03	1.156−03	1.310−03	1.521−03	1.627−03	1.747−03
36	63	1.103−03	8.769−04	7.895−04	7.136−04	6.238−04	5.139−04	4.998−04	4.984−04
36	64	3.953−04	4.702−04	5.018−04	5.340−04	6.052−04	7.054−04	7.552−04	8.115−04
36	65	1.426−03	1.710−03	1.829−03	1.950−03	2.217−03	2.591−03	2.776−03	2.985−03
36	66	1.494−04	1.407−04	1.376−04	1.348−04	1.261−04	1.362−04	1.382−04	1.412−04
36	67	9.537−04	1.136−03	1.214−03	1.293−03	1.470−03	1.723−03	1.847−03	1.988−03
36	68	2.728−03	3.280−03	3.512−03	3.744−03	4.258−03	4.942−03	5.296−03	5.688−03
36	69	3.038−03	2.359−03	2.054−03	1.787−03	1.478−03	1.075−03	9.925−04	9.491−04
36	70	1.849−03	1.439−03	1.257−03	1.099−03	9.216−04	6.811−04	6.354−04	6.139−04
36	71	1.568−04	1.787−04	1.889−04	1.999−04	2.251−04	2.652−04	2.846−04	3.070−04
36	72	1.337−03	1.031−03	9.052−04	7.948−04	6.585−04	4.972−04	4.672−04	4.530−04
36	73	6.832−02	8.194−02	8.768−02	9.342−02	1.062−01	1.228−01	1.316−01	1.413−01
36	74	5.435−04	3.865−04	3.270−04	2.737−04	1.967−04	1.171−04	9.989−05	8.823−05
36	75	1.212−04	9.020−05	7.782−05	6.679−05	5.176−05	3.569−05	3.227−05	3.017−05
36	76	7.794−04	5.963−04	5.201−04	4.528−04	3.678−04	2.696−04	2.497−04	2.390−04
36	77	1.358−04	1.109−04	1.003−04	9.126−05	8.170−05	6.940−05	6.770−05	6.774−05
36	78	1.769−04	1.393−04	1.268−04	1.160−04	1.014−04	8.832−05	8.716−05	8.782−05
36	79	3.699−02	4.443−02	4.757−02	5.067−02	5.759−02	6.624−02	7.100−02	7.615−02
36	80	1.661−04	1.314−04	1.144−04	9.936−05	8.201−05	5.925−05	5.399−05	5.093−05
36	81	5.362−05	4.497−05	4.165−05	3.868−05	3.416−05	3.125−05	3.075−05	3.074−05
36	82	1.521−05	1.299−05	1.217−05	1.146−05	1.055−05	9.858−06	9.836−06	9.969−06
36	83	2.376−05	2.278−05	2.250−05	2.231−05	2.224−05	2.275−05	2.325−05	2.398−05
36	84	5.603−05	4.830−05	4.426−05	4.069−05	3.687−05	3.190−05	3.097−05	3.075−05
36	85	1.894−05	1.415−05	1.232−05	1.085−05	1.004−05	7.476−06	7.330−06	7.521−06
36	86	2.793−05	2.117−05	1.851−05	1.617−05	1.303−05	9.814−06	9.137−06	8.787−06
36	87	1.538−05	1.385−05	1.331−05	1.288−05	1.243−05	1.212−05	1.224−05	1.254−05
36	88	1.073−03	1.138−03	1.171−03	1.207−03	1.305−03	1.447−03	1.539−03	1.642−03
36	89	4.685−03	5.605−03	6.005−03	6.413−03	7.325−03	8.574−03	9.215−03	9.928−03
36	90	3.618−03	4.293−03	4.586−03	4.878−03	5.540−03	6.396−03	6.863−03	7.373−03
36	91	5.672−03	6.793−03	7.281−03	7.780−03	8.893−03	1.043−02	1.121−02	1.208−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
36	92	3.780−04	2.645−04	2.225−04	1.838−04	1.212−04	6.233−05	4.832−05	3.739−05
36	93	8.951−06	7.318−06	6.601−06	5.972−06	5.212−06	4.359−06	4.194−06	4.138−06
36	94	7.392−04	8.854−04	9.490−04	1.014−03	1.159−03	1.357−03	1.459−03	1.572−03
36	95	4.052−04	2.803−04	2.342−04	1.916−04	1.217−04	5.710−05	4.132−05	2.871−05
36	96	3.866−02	4.627−02	4.959−02	5.297−02	6.053−02	7.079−02	7.610−02	8.200−02
36	97	4.426−03	5.224−03	5.575−03	5.934−03	6.747−03	7.864−03	8.448−03	9.097−03
36	98	4.442−07	3.698−07	3.438−07	3.234−07	3.118−07	2.826−07	2.854−07	2.943−07
36	99	9.725−02	1.161−01	1.244−01	1.329−01	1.519−01	1.780−01	1.914−01	2.064−01
36	100	8.374−02	9.988−02	1.070−01	1.143−01	1.307−01	1.537−01	1.654−01	1.784−01
36	101	1.716−02	2.031−02	2.171−02	2.315−02	2.641−02	3.100−02	3.334−02	3.597−02
36	102	1.593−05	1.207−05	1.059−05	9.253−06	7.367−06	5.277−06	4.886−06	4.652−06
36	103	1.726−03	1.613−03	1.582−03	1.560−03	1.566−03	1.632−03	1.710−03	1.805−03
36	104	7.608−03	9.028−03	9.657−03	1.031−02	1.177−02	1.382−02	1.487−02	1.605−02
36	105	3.882−03	4.588−03	4.902−03	5.225−03	5.957−03	6.982−03	7.509−03	8.099−03
36	106	3.345−06	2.690−06	2.408−06	2.157−06	1.841−06	1.484−06	1.411−06	1.378−06
36	107	1.978−03	2.357−03	2.525−03	2.698−03	3.089−03	3.634−03	3.912−03	4.223−03
36	108	3.768−06	2.684−06	2.274−06	1.913−06	1.435−06	8.985−07	7.923−07	7.306−07
36	109	5.591−07	4.389−07	3.845−07	3.352−07	2.663−07	2.009−07	1.828−07	1.709−07
36	110	5.351−07	4.148−07	3.678−07	3.287−07	2.911−07	2.352−07	2.287−07	2.299−07
36	111	9.820−07	7.532−07	6.739−07	6.041−07	5.022−07	4.130−07	3.993−07	3.950−07
36	112	1.430−06	1.315−06	1.275−06	1.244−06	1.223−06	1.213−06	1.239−06	1.280−06
36	113	1.029−06	7.963−07	6.912−07	5.959−07	4.664−07	3.269−07	2.918−07	2.681−07
36	114	2.906−05	2.011−05	1.680−05	1.374−05	8.723−06	4.082−06	2.948−06	2.041−06
36	115	1.619−07	1.399−07	1.310−07	1.241−07	1.224−07	1.110−07	1.121−07	1.155−07
36	116	1.589−03	1.853−03	1.973−03	2.100−03	2.391−03	2.811−03	3.027−03	3.270−03
36	117	2.718−03	3.244−03	3.480−03	3.724−03	4.275−03	5.048−03	5.441−03	5.881−03
36	118	1.857−04	1.906−04	1.943−04	1.990−04	2.136−04	2.397−04	2.554−04	2.737−04
36	119	7.682−05	5.308−05	4.433−05	3.624−05	2.294−05	1.068−05	7.683−06	5.283−06
36	120	6.665−07	5.397−07	4.782−07	4.075−07	3.089−07	2.043−07	2.075−07	1.844−07
36	121	5.250−04	6.050−04	6.429−04	6.849−04	7.806−04	9.364−04	1.007−03	1.089−03
36	122	9.320−04	1.091−03	1.165−03	1.246−03	1.429−03	1.724−03	1.855−03	2.008−03
36	123	4.426−05	3.122−05	2.644−05	2.204−05	1.491−05	8.515−06	7.054−06	5.964−06
36	124	1.435−04	1.497−04	1.539−04	1.594−04	1.744−04	2.029−04	2.170−04	2.338−04
36	125	1.905−04	2.146−04	2.265−04	2.398−04	2.708−04	3.227−04	3.469−04	3.750−04
37	38	6.502−03	4.900−03	4.252−03	3.745−03	3.562−03	2.588−03	2.540−03	2.619−03
37	39	6.432−04	7.097−04	7.296−04	7.517−04	8.175−04	8.927−04	9.357−04	9.890−04
37	40	1.969−04	1.699−04	1.589−04	1.504−04	1.500−04	1.345−04	1.360−04	1.406−04
37	41	1.917−03	1.107−03	8.822−04	6.889−04	3.476−04	1.395−04	9.865−05	7.418−05
37	42	3.087−03	2.188−03	1.951−03	1.758−03	1.447−03	1.283−03	1.283−03	1.314−03
37	43	1.262−05	7.810−06	6.421−06	5.253−06	3.441−06	2.095−06	1.898−06	1.832−06
37	44	1.528−05	1.460−05	1.445−05	1.436−05	1.462−05	1.534−05	1.612−05	1.700−05
37	45	1.364−04	7.949−05	6.343−05	4.977−05	2.672−05	1.198−05	9.245−06	7.803−06
37	46	3.473−04	4.011−04	4.211−04	4.414−04	4.843−04	5.523−04	5.828−04	6.189−04
37	47	1.692−05	1.332−05	1.211−05	1.114−05	1.040−05	8.941−06	8.969−06	9.232−06
37	48	5.055−03	5.862−03	6.159−03	6.466−03	7.163−03	8.175−03	8.651−03	9.215−03
37	49	5.071−03	5.873−03	6.168−03	6.473−03	7.172−03	8.174−03	8.649−03	9.213−03
37	50	2.660−05	1.493−05	1.174−05	9.049−06	4.501−06	1.632−06	1.145−06	9.149−07
37	51	6.684−03	5.671−03	5.123−03	4.657−03	4.338−03	3.593−03	3.490−03	3.489−03
37	52	2.393−04	1.616−04	1.346−04	1.109−04	7.765−05	4.284−05	3.634−05	3.246−05
37	53	5.315−03	4.160−03	3.657−03	3.218−03	2.734−03	2.058−03	1.938−03	1.887−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
37	54	1.888−03	1.259−03	1.039−03	8.397−04	5.142−04	2.269−04	1.593−04	1.075−04
37	55	4.194−04	5.002−04	5.331−04	5.663−04	6.389−04	7.389−04	7.888−04	8.450−04
37	56	1.372−04	1.586−04	1.677−04	1.771−04	1.983−04	2.300−04	2.454−04	2.632−04
37	57	1.340−04	1.266−04	1.232−04	1.199−04	1.092−04	1.208−04	1.216−04	1.229−04
37	58	8.007−05	6.042−05	5.408−05	4.855−05	3.938−05	3.376−05	3.268−05	3.233−05
37	59	2.586−04	1.838−04	1.565−04	1.317−04	9.202−05	5.803−05	4.970−05	4.368−05
37	60	1.376−06	7.963−07	6.295−07	4.862−07	2.416−07	8.224−08	5.013−08	2.995−08
37	61	1.492−04	9.085−05	7.321−05	5.796−05	3.317−05	1.429−05	1.060−05	8.333−06
37	62	8.747−04	1.039−03	1.108−03	1.179−03	1.335−03	1.560−03	1.670−03	1.794−03
37	63	8.072−05	5.201−05	4.275−05	3.452−05	2.084−05	9.934−06	7.514−06	5.788−06
37	64	1.418−04	1.676−04	1.785−04	1.899−04	2.150−04	2.522−04	2.701−04	2.906−04
37	65	5.959−06	6.273−06	6.452−06	6.640−06	7.155−06	7.887−06	8.379−06	8.918−06
37	66	2.942−04	2.825−04	2.803−04	2.790−04	2.795−04	2.877−04	2.945−04	3.042−04
37	67	3.492−04	4.144−04	4.423−04	4.711−04	5.348−04	6.268−04	6.719−04	7.232−04
37	68	8.508−06	7.855−06	7.503−06	7.242−06	7.457−06	6.905−06	7.014−06	7.256−06
37	69	3.904−03	3.147−03	2.812−03	2.523−03	2.229−03	1.800−03	1.734−03	1.719−03
37	70	2.106−05	1.377−05	1.129−05	9.064−06	5.441−06	2.326−06	1.611−06	1.076−06
37	71	3.106−05	3.340−05	3.471−05	3.599−05	3.929−05	4.309−05	4.590−05	4.884−05
37	72	4.498−04	3.203−04	2.703−04	2.253−04	1.591−04	9.297−05	7.759−05	6.678−05
37	73	3.073−02	3.689−02	3.946−02	4.198−02	4.760−02	5.440−02	5.825−02	6.238−02
37	74	1.238−04	8.266−05	6.849−05	5.577−05	3.527−05	1.745−05	1.334−05	1.032−05
37	75	2.216−05	1.608−05	1.395−05	1.200−05	8.403−06	6.483−06	5.852−06	5.396−06
37	76	1.660−04	1.418−04	1.327−04	1.252−04	1.192−04	1.104−04	1.109−04	1.135−04
37	77	1.336−05	1.013−05	9.014−06	8.025−06	6.547−06	5.249−06	5.032−06	4.943−06
37	78	9.255−05	7.537−05	6.860−05	6.280−05	5.671−05	4.842−05	4.763−05	4.797−05
37	79	2.165−04	1.751−04	1.595−04	1.463−04	1.343−04	1.137−04	1.126−04	1.142−04
37	80	3.225−05	2.722−05	2.546−05	2.401−05	2.257−05	2.093−05	2.104−05	2.151−05
37	81	1.262−05	1.069−05	9.952−06	9.305−06	8.399−06	7.800−06	7.730−06	7.784−06
37	82	2.049−06	1.919−06	1.875−06	1.835−06	1.722−06	1.854−06	1.891−06	1.942−06
37	83	1.217−05	1.011−05	9.144−06	8.280−06	7.301−06	5.995−06	5.756−06	5.665−06
37	84	1.025−04	8.502−05	7.573−05	6.742−05	5.805−05	4.539−05	4.242−05	4.080−05
37	85	1.082−05	8.360−06	7.350−06	6.555−06	6.303−06	4.812−06	4.751−06	4.896−06
37	86	7.665−06	5.412−06	4.703−06	4.085−06	3.098−06	2.350−06	2.217−06	2.158−06
37	87	6.162−06	4.741−06	4.135−06	3.612−06	3.046−06	2.272−06	2.134−06	2.080−06
37	88	1.408−02	1.687−02	1.807−02	1.929−02	2.201−02	2.564−02	2.754−02	2.964−02
37	89	3.441−06	2.661−06	2.363−06	2.097−06	1.739−06	1.324−06	1.256−06	1.223−06
37	90	7.243−05	5.006−05	4.185−05	3.429−05	2.191−05	1.047−05	7.711−06	5.523−06
37	91	2.292−03	2.734−03	2.926−03	3.123−03	3.564−03	4.171−03	4.482−03	4.829−03
37	92	4.600−06	4.035−06	3.806−06	3.633−06	3.640−06	3.345−06	3.392−06	3.508−06
37	93	1.636−06	9.924−07	7.977−07	6.282−07	3.541−07	1.506−07	1.235−07	1.092−07
37	94	3.934−05	4.653−05	4.969−05	5.288−05	6.010−05	6.976−05	7.491−05	8.059−05
37	95	2.032−07	1.792−07	1.698−07	1.628−07	1.628−07	1.519−07	1.542−07	1.595−07
37	96	1.966−04	1.359−04	1.136−04	9.293−05	5.904−05	2.775−05	2.012−05	1.403−05
37	97	3.364−03	4.010−03	4.292−03	4.579−03	5.224−03	6.095−03	6.550−03	7.054−03
37	98	2.604−09	1.546−09	1.229−09	9.555−10	5.102−10	1.752−10	1.072−10	6.515−11
37	99	5.942−04	4.109−04	3.434−04	2.811−04	1.789−04	8.455−05	6.160−05	4.332−05
37	100	5.679−02	6.775−02	7.257−02	7.751−02	8.860−02	1.040−01	1.118−01	1.206−01
37	101	5.709−02	6.824−02	7.314−02	7.819−02	8.949−02	1.053−01	1.133−01	1.222−01
37	102	2.669−07	2.339−07	2.214−07	2.118−07	2.092−07	1.957−07	1.983−07	2.046−07
37	103	4.131−04	2.848−04	2.377−04	1.942−04	1.227−04	5.693−05	4.089−05	2.808−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
37	104	6.572−03	7.842−03	8.401−03	8.977−03	1.027−02	1.206−02	1.298−02	1.401−02
37	105	5.246−04	6.190−04	6.608−04	7.034−04	8.003−04	9.321−04	1.002−03	1.079−03
37	106	3.477−06	2.741−06	2.461−06	2.211−06	1.844−06	1.512−06	1.446−06	1.416−06
37	107	8.614−05	1.027−04	1.100−04	1.177−04	1.349−04	1.594−04	1.717−04	1.856−04
37	108	1.073−06	7.499−07	6.477−07	5.595−07	4.227−07	3.188−07	3.011−07	2.939−07
37	109	2.956−07	2.605−07	2.500−07	2.413−07	2.292−07	2.259−07	2.285−07	2.340−07
37	110	3.313−07	2.545−07	2.236−07	1.988−07	1.867−07	1.423−07	1.397−07	1.431−07
37	111	1.812−07	1.248−07	1.049−07	8.708−08	5.897−08	3.689−08	3.199−08	2.858−08
37	112	2.860−07	2.243−07	2.057−07	1.899−07	1.658−07	1.501−07	1.493−07	1.512−07
37	113	8.972−07	6.094−07	5.127−07	4.298−07	3.184−07	2.057−07	1.894−07	1.828−07
37	114	1.135−08	8.746−09	7.943−09	7.296−09	6.585−09	5.827−09	5.839−09	5.991−09
37	115	1.184−09	6.723−10	5.273−10	4.041−10	1.976−10	5.981−11	3.397−11	1.949−11
37	116	1.249−03	1.469−03	1.569−03	1.673−03	1.911−03	2.251−03	2.424−03	2.619−03
37	117	1.060−04	7.322−05	6.114−05	4.999−05	3.164−05	1.473−05	1.060−05	7.292−06
37	118	6.832−04	8.162−04	8.759−04	9.381−04	1.078−03	1.279−03	1.379−03	1.492−03
37	119	2.665−08	2.099−08	1.916−08	1.769−08	1.629−08	1.438−08	1.443−08	1.481−08
37	120	2.502−07	2.021−07	1.853−07	1.704−07	1.487−07	1.313−07	1.292−07	1.294−07
37	121	9.107−04	1.067−03	1.140−03	1.220−03	1.399−03	1.687−03	1.815−03	1.964−03
37	122	1.447−04	1.686−04	1.798−04	1.922−04	2.202−04	2.652−04	2.854−04	3.088−04
37	123	2.473−05	1.710−05	1.428−05	1.168−05	7.419−06	3.481−06	2.522−06	1.756−06
37	124	1.611−04	1.753−04	1.829−04	1.918−04	2.136−04	2.518−04	2.701−04	2.915−04
37	125	6.054−07	4.207−07	3.523−07	2.889−07	1.838−07	8.671−08	6.286−08	4.363−08
38	39	1.167−04	9.007−05	8.120−05	7.409−05	6.795−05	5.750−05	5.748−05	5.904−05
38	40	8.710−03	9.810−03	1.017−02	1.056−02	1.151−02	1.275−02	1.339−02	1.416−02
38	41	5.939−03	3.482−03	2.798−03	2.223−03	1.274−03	6.598−04	5.599−04	5.191−04
38	42	2.335−02	1.807−02	1.642−02	1.508−02	1.354−02	1.197−02	1.199−02	1.228−02
38	43	1.393−02	1.602−02	1.673−02	1.746−02	1.917−02	2.152−02	2.265−02	2.400−02
38	44	7.417−06	5.597−06	4.855−06	4.268−06	4.015−06	2.899−06	2.832−06	2.905−06
38	45	3.609−04	2.149−04	1.746−04	1.407−04	8.398−05	4.856−05	4.293−05	4.079−05
38	46	4.000−04	3.682−04	3.508−04	3.384−04	3.516−04	3.223−04	3.277−04	3.398−04
38	47	3.201−03	3.631−03	3.790−03	3.958−03	4.355−03	4.928−03	5.206−03	5.538−03
38	48	1.556−04	1.244−04	1.136−04	1.050−04	9.899−05	8.595−05	8.628−05	8.878−05
38	49	7.768−05	6.170−05	5.618−05	5.179−05	4.850−05	4.186−05	4.196−05	4.314−05
38	50	3.532−02	2.751−02	2.432−02	2.156−02	1.843−02	1.430−02	1.364−02	1.343−02
38	51	7.393−04	5.363−04	4.574−04	3.877−04	2.880−04	1.971−04	1.745−04	1.603−04
38	52	9.581−03	7.782−03	6.882−03	6.101−03	5.361−03	4.141−03	3.913−03	3.823−03
38	53	1.291−03	1.136−03	1.078−03	1.033−03	1.015−03	9.636−04	9.770−04	1.007−03
38	54	8.728−05	5.175−05	4.142−05	3.263−05	1.845−05	8.079−06	6.250−06	5.294−06
38	55	1.263−05	1.062−05	9.855−06	9.260−06	9.059−06	8.066−06	8.139−06	8.399−06
38	56	2.401−05	1.378−05	1.090−05	8.473−06	4.378−06	1.732−06	1.260−06	1.013−06
38	57	1.187−04	8.972−05	7.811−05	6.890−05	6.509−05	4.800−05	4.710−05	4.845−05
38	58	1.282−02	1.090−02	9.966−03	9.188−03	8.688−03	7.479−03	7.381−03	7.470−03
38	59	1.708−03	1.381−03	1.229−03	1.099−03	9.804−04	7.810−04	7.498−04	7.432−04
38	60	1.621−04	1.871−04	1.977−04	2.083−04	2.326−04	2.650−04	2.825−04	3.021−04
38	61	5.833−03	4.559−03	4.010−03	3.531−03	2.982−03	2.261−03	2.129−03	2.071−03
38	62	1.840−05	1.170−05	9.729−06	8.058−06	5.462−06	3.477−06	3.175−06	3.061−06
38	63	2.293−04	1.432−04	1.162−04	9.264−05	5.459−05	2.412−05	1.790−05	1.383−05
38	64	1.182−05	7.342−06	6.059−06	4.983−06	3.309−06	2.086−06	1.912−06	1.862−06
38	65	7.509−06	5.362−06	4.682−06	4.108−06	3.348−06	2.590−06	2.509−06	2.514−06
38	66	3.772−04	3.188−04	2.903−04	2.654−04	2.392−04	2.052−04	1.986−04	1.971−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
38	67	1.960−05	1.127−05	8.935−06	6.957−06	3.649−06	1.482−06	1.098−06	9.016−07
38	68	1.477−02	1.773−02	1.898−02	2.024−02	2.303−02	2.687−02	2.880−02	3.097−02
38	69	1.930−04	1.346−04	1.135−04	9.503−05	6.917−05	4.405−05	3.888−05	3.589−05
38	70	5.924−03	4.574−03	4.006−03	3.506−03	2.897−03	2.152−03	2.009−03	1.937−03
38	71	1.949−05	1.105−05	8.677−06	6.662−06	3.239−06	1.019−06	6.089−07	3.788−07
38	72	5.214−04	3.973−04	3.468−04	3.027−04	2.498−04	1.855−04	1.738−04	1.685−04
38	73	4.039−05	2.811−05	2.375−05	1.980−05	1.356−05	7.751−06	6.487−06	5.573−06
38	74	5.109−05	3.413−05	2.818−05	2.282−05	1.428−05	6.553−06	4.789−06	3.474−06
38	75	1.466−05	9.922−06	8.270−06	6.825−06	4.802−06	2.679−06	2.283−06	2.049−06
38	76	5.106−03	4.059−03	3.603−03	3.206−03	2.775−03	2.180−03	2.080−03	2.046−03
38	77	1.069−03	8.609−04	7.698−04	6.910−04	6.084−04	4.922−04	4.741−04	4.697−04
38	78	5.047−03	4.086−03	3.649−03	3.271−03	2.896−03	2.327−03	2.237−03	2.214−03
38	79	3.413−01	4.093−01	4.383−01	4.676−01	5.326−01	6.207−01	6.659−01	7.161−01
38	80	4.289−05	3.756−05	3.578−05	3.436−05	3.309−05	3.176−05	3.212−05	3.298−05
38	81	1.960−05	1.337−05	1.134−05	9.598−06	6.997−06	4.792−06	4.402−06	4.214−06
38	82	9.897−06	6.814−06	5.709−06	4.740−06	3.411−06	1.952−06	1.678−06	1.516−06
38	83	7.116−05	6.148−05	5.790−05	5.479−05	5.066−05	4.736−05	4.721−05	4.780−05
38	84	1.133−05	7.913−06	6.732−06	5.706−06	4.194−06	2.930−06	2.662−06	2.517−06
38	85	1.168−04	9.426−05	8.634−05	7.931−05	6.777−05	6.222−05	6.160−05	6.196−05
38	86	9.748−06	5.877−06	4.821−06	3.933−06	2.420−06	1.507−06	1.365−06	1.316−06
38	87	6.458−05	5.635−05	5.354−05	5.115−05	4.798−05	4.573−05	4.595−05	4.680−05
38	88	5.910−06	4.065−06	3.458−06	2.926−06	2.114−06	1.390−06	1.257−06	1.181−06
38	89	2.421−04	2.887−04	3.091−04	3.299−04	3.765−04	4.408−04	4.738−04	5.106−04
38	90	4.397−04	5.235−04	5.605−04	5.990−04	6.850−04	8.100−04	8.716−04	9.412−04
38	91	1.265−06	1.029−06	9.495−07	8.871−07	8.420−07	7.553−07	7.613−07	7.845−07
38	92	9.463−02	1.132−01	1.212−01	1.294−01	1.478−01	1.730−01	1.859−01	2.003−01
38	93	6.287−06	3.841−06	3.087−06	2.428−06	1.342−06	5.087−07	3.370−07	2.217−07
38	94	1.973−05	1.343−05	1.118−05	9.111−06	5.709−06	2.645−06	1.911−06	1.334−06
38	95	2.148−02	2.565−02	2.747−02	2.935−02	3.356−02	3.947−02	4.245−02	4.579−02
38	96	8.602−02	1.023−01	1.095−01	1.168−01	1.333−01	1.564−01	1.681−01	1.813−01
38	97	6.253−04	4.320−04	3.608−04	2.951−04	1.871−04	8.739−05	6.306−05	4.363−05
38	98	2.446−01	2.916−01	3.122−01	3.331−01	3.800−01	4.436−01	4.768−01	5.135−01
38	99	1.882−02	2.226−02	2.379−02	2.537−02	2.892−02	3.394−02	3.650−02	3.937−02
38	100	1.210−05	8.487−06	7.224−06	6.087−06	4.300−06	2.661−06	2.314−06	2.076−06
38	101	2.219−06	1.523−06	1.313−06	1.142−06	9.296−07	7.088−07	6.923−07	7.044−07
38	102	9.530−02	1.131−01	1.210−01	1.291−01	1.474−01	1.730−01	1.861−01	2.008−01
38	103	4.126−04	4.784−04	5.083−04	5.396−04	6.116−04	7.163−04	7.699−04	8.305−04
38	104	8.225−07	4.561−07	3.571−07	2.738−07	1.300−07	4.388−08	2.882−08	2.157−08
38	105	9.002−04	6.216−04	5.189−04	4.243−04	2.686−04	1.251−04	9.009−05	6.209−05
38	106	4.883−07	3.008−07	2.454−07	1.983−07	1.245−07	6.870−08	5.940−08	5.503−08
38	107	3.291−07	2.126−07	1.793−07	1.516−07	1.102−07	7.845−08	7.483−08	7.483−08
38	108	1.786−06	1.088−06	8.817−07	7.058−07	4.199−07	2.184−07	1.800−07	1.596−07
38	109	5.502−06	4.136−06	3.635−06	3.198−06	2.618−06	1.996−06	1.891−06	1.849−06
38	110	9.044−06	6.768−06	5.869−06	5.055−06	3.798−06	2.768−06	2.503−06	2.324−06
38	111	2.686−07	1.745−07	1.432−07	1.155−07	7.200−08	3.391−08	2.584−08	2.030−08
38	112	1.902−06	1.314−06	1.101−06	9.128−07	6.359−07	3.780−07	3.206−07	2.833−07
38	113	3.515−07	2.213−07	1.798−07	1.431−07	8.313−08	3.494−08	2.460−08	1.739−08
38	114	3.715−03	4.297−03	4.565−03	4.848−03	5.503−03	6.459−03	6.951−03	7.507−03
38	115	8.715−03	1.025−02	1.094−02	1.166−02	1.330−02	1.561−02	1.681−02	1.814−02
38	116	2.247−06	1.547−06	1.291−06	1.056−06	6.669−07	3.111−07	2.247−07	1.558−07

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
38	117	1.880−04	2.176−04	2.314−04	2.459−04	2.797−04	3.297−04	3.551−04	3.840−04
38	118	2.312−07	2.015−07	1.894−07	1.800−07	1.792−07	1.627−07	1.644−07	1.697−07
38	119	7.542−05	8.915−05	9.536−05	1.018−04	1.165−04	1.373−04	1.480−04	1.599−04
38	120	4.433−06	3.261−06	2.793−06	2.373−06	1.804−06	1.183−06	1.050−06	9.658−07
38	121	1.112−07	9.695−08	8.985−08	8.407−08	8.362−08	7.230−08	7.231−08	7.416−08
38	122	2.747−05	1.900−05	1.588−05	1.299−05	8.230−06	3.840−06	2.765−06	1.903−06
38	123	8.192−04	9.070−04	9.514−04	1.002−03	1.124−03	1.332−03	1.429−03	1.542−03
38	124	1.345−05	9.171−06	7.619−06	6.197−06	3.874−06	1.760−06	1.250−06	8.473−07
38	125	4.719−04	5.003−04	5.176−04	5.390−04	5.947−04	6.972−04	7.467−04	8.054−04
39	40	1.053−02	7.555−03	6.514−03	5.613−03	4.375−03	3.163−03	2.953−03	2.861−03
39	41	7.510−03	8.627−03	8.972−03	9.323−03	1.018−02	1.123−02	1.176−02	1.240−02
39	42	3.636−04	3.882−04	3.950−04	4.033−04	4.332−04	4.651−04	4.854−04	5.112−04
39	43	5.805−02	5.608−02	5.582−02	5.577−02	5.638−02	5.822−02	5.973−02	6.181−02
39	44	2.349−03	2.728−03	2.859−03	2.992−03	3.286−03	3.708−03	3.903−03	4.136−03
39	45	2.750−03	3.173−03	3.323−03	3.475−03	3.811−03	4.304−03	4.533−03	4.805−03
39	46	1.318−02	1.205−02	1.178−02	1.158−02	1.142−02	1.156−02	1.182−02	1.221−02
39	47	3.310−02	3.154−02	3.125−02	3.110−02	3.126−02	3.211−02	3.291−02	3.405−02
39	48	5.997−04	5.178−04	4.941−04	4.756−04	4.555−04	4.452−04	4.525−04	4.661−04
39	49	2.684−03	2.290−03	2.181−03	2.094−03	1.988−03	1.943−03	1.974−03	2.033−03
39	50	1.356−02	1.251−02	1.193−02	1.151−02	1.198−02	1.101−02	1.120−02	1.162−02
39	51	7.005−01	8.123−01	8.546−01	8.986−01	9.985−01	1.145+00	1.214+00	1.296+00
39	52	4.666−03	3.693−03	3.357−03	3.088−03	2.887−03	2.482−03	2.488−03	2.559−03
39	53	5.946−01	6.901−01	7.264−01	7.642−01	8.497−01	9.757−01	1.035+00	1.105+00
39	54	3.988−01	4.629−01	4.872−01	5.125−01	5.700−01	6.545−01	6.942−01	7.411−01
39	55	1.429−03	1.062−03	9.113−04	7.803−04	6.220−04	4.235−04	3.848−04	3.644−04
39	56	4.304−03	2.940−03	2.444−03	1.998−03	1.318−03	6.696−04	5.217−04	4.152−04
39	57	2.365−04	2.452−04	2.496−04	2.549−04	2.705−04	2.983−04	3.149−04	3.347−04
39	58	5.006−02	5.806−02	6.134−02	6.473−02	7.256−02	8.331−02	8.877−02	9.503−02
39	59	4.729−02	5.553−02	5.895−02	6.246−02	7.031−02	8.145−02	8.695−02	9.324−02
39	60	1.079−03	1.012−03	9.943−04	9.818−04	9.736−04	9.868−04	1.008−03	1.039−03
39	61	6.180−03	5.377−03	5.044−03	4.790−03	4.799−03	4.340−03	4.396−03	4.546−03
39	62	2.077−04	1.658−04	1.503−04	1.369−04	1.187−04	1.021−04	9.975−05	9.960−05
39	63	1.496−02	1.750−02	1.859−02	1.971−02	2.221−02	2.584−02	2.763−02	2.967−02
39	64	1.143−04	7.028−05	5.652−05	4.455−05	2.520−05	1.012−05	6.966−06	4.893−06
39	65	9.252−05	7.811−05	7.373−05	7.006−05	6.485−05	6.219−05	6.278−05	6.423−05
39	66	1.087−03	1.298−03	1.387−03	1.477−03	1.675−03	1.957−03	2.095−03	2.252−03
39	67	6.962−05	5.144−05	4.560−05	4.057−05	3.314−05	2.724−05	2.645−05	2.635−05
39	68	9.952−05	9.057−05	8.771−05	8.541−05	8.294−05	8.198−05	8.318−05	8.538−05
39	69	1.181−03	1.400−03	1.492−03	1.587−03	1.800−03	2.098−03	2.247−03	2.415−03
39	70	1.109−04	9.839−05	9.291−05	8.875−05	8.966−05	8.199−05	8.315−05	8.600−05
39	71	1.464−04	1.328−04	1.281−04	1.243−04	1.202−04	1.199−04	1.220−04	1.255−04
39	72	1.493−02	1.781−02	1.904−02	2.030−02	2.308−02	2.706−02	2.900−02	3.121−02
39	73	3.180−06	2.373−06	2.069−06	1.803−06	1.448−06	1.068−06	1.001−06	9.693−07
39	74	1.930−02	2.314−02	2.476−02	2.640−02	3.002−02	3.494−02	3.745−02	4.025−02
39	75	1.009−01	1.210−01	1.295−01	1.381−01	1.571−01	1.828−01	1.960−01	2.106−01
39	76	3.110−03	3.652−03	3.885−03	4.129−03	4.683−03	5.488−03	5.883−03	6.334−03
39	77	9.352−02	1.121−01	1.200−01	1.280−01	1.456−01	1.697−01	1.819−01	1.956−01
39	78	1.247−02	1.493−02	1.597−02	1.701−02	1.931−02	2.230−02	2.389−02	2.564−02
39	79	5.540−07	4.235−07	3.859−07	3.533−07	2.957−07	2.690−07	2.668−07	2.689−07
39	80	1.355−02	1.624−02	1.738−02	1.853−02	2.108−02	2.450−02	2.627−02	2.823−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
39	81	8.874−03	1.063−02	1.138−02	1.216−02	1.388−02	1.634−02	1.756−02	1.892−02
39	82	7.877−04	9.388−04	1.004−03	1.070−03	1.218−03	1.420−03	1.523−03	1.639−03
39	83	8.302−03	9.863−03	1.053−02	1.120−02	1.271−02	1.468−02	1.574−02	1.690−02
39	84	5.884−02	7.035−02	7.530−02	8.032−02	9.153−02	1.068−01	1.146−01	1.234−01
39	85	1.629−05	1.170−05	1.011−05	8.700−06	6.650−06	4.614−06	4.255−06	4.060−06
39	86	3.838−03	4.587−03	4.910−03	5.240−03	5.975−03	6.981−03	7.497−03	8.071−03
39	87	6.378−04	7.547−04	8.063−04	8.602−04	9.813−04	1.159−03	1.246−03	1.345−03
39	88	2.360−05	2.069−05	1.932−05	1.819−05	1.753−05	1.618−05	1.624−05	1.660−05
39	89	7.333−05	6.559−05	6.308−05	6.097−05	5.843−05	5.692−05	5.758−05	5.895−05
39	90	5.412−05	5.116−05	5.016−05	4.949−05	4.983−05	5.010−05	5.119−05	5.288−05
39	91	1.388−05	1.227−05	1.145−05	1.079−05	1.064−05	9.599−06	9.622−06	9.856−06
39	92	2.504−05	2.361−05	2.322−05	2.295−05	2.292−05	2.319−05	2.370−05	2.446−05
39	93	1.249−03	1.498−03	1.607−03	1.721−03	1.975−03	2.346−03	2.528−03	2.733−03
39	94	7.376−05	6.631−05	6.310−05	6.048−05	5.838−05	5.885−05	6.044−05	6.264−05
39	95	1.279−04	1.270−04	1.271−04	1.276−04	1.304−04	1.349−04	1.384−04	1.432−04
39	96	6.028−05	5.965−05	5.947−05	5.955−05	6.124−05	6.280−05	6.443−05	6.672−05
39	97	1.012−05	8.163−06	7.467−06	6.910−06	6.477−06	5.891−06	5.966−06	6.165−06
39	98	1.158−05	7.846−06	6.613−06	5.602−06	4.516−06	3.054−06	2.906−06	2.926−06
39	99	1.873−05	1.578−05	1.477−05	1.396−05	1.328−05	1.238−05	1.250−05	1.284−05
39	100	7.051−05	6.613−05	6.480−05	6.391−05	6.434−05	6.528−05	6.712−05	6.968−05
39	101	4.555−06	3.337−06	2.916−06	2.559−06	2.132−06	1.640−06	1.582−06	1.580−06
39	102	3.909−05	3.716−05	3.655−05	3.618−05	3.657−05	3.692−05	3.774−05	3.901−05
39	103	1.503−05	1.395−05	1.364−05	1.343−05	1.334−05	1.347−05	1.374−05	1.418−05
39	104	1.989−05	1.875−05	1.838−05	1.811−05	1.794−05	1.803−05	1.834−05	1.886−05
39	105	5.121−05	5.045−05	5.031−05	5.038−05	5.156−05	5.304−05	5.441−05	5.633−05
39	106	1.224−01	1.454−01	1.555−01	1.660−01	1.895−01	2.220−01	2.388−01	2.575−01
39	107	2.147−05	2.003−05	1.956−05	1.918−05	1.885−05	1.881−05	1.911−05	1.963−05
39	108	8.946−03	1.028−02	1.087−02	1.149−02	1.291−02	1.484−02	1.590−02	1.708−02
39	109	1.487−03	1.750−03	1.866−03	1.981−03	2.245−03	2.583−03	2.771−03	2.975−03
39	110	5.758−06	3.771−06	3.143−06	2.595−06	1.730−06	1.028−06	8.931−07	8.129−07
39	111	5.113−04	5.787−04	6.107−04	6.457−04	7.283−04	8.601−04	9.256−04	1.001−03
39	112	2.610−04	3.024−04	3.204−04	3.376−04	3.779−04	4.227−04	4.514−04	4.815−04
39	113	5.021−04	3.467−04	2.900−04	2.380−04	1.532−04	7.638−05	5.812−05	4.394−05
39	114	2.874−05	2.645−05	2.577−05	2.528−05	2.519−05	2.520−05	2.572−05	2.657−05
39	115	7.920−06	5.082−06	4.198−06	3.460−06	2.480−06	1.512−06	1.383−06	1.353−06
39	116	8.073−05	7.726−05	7.611−05	7.541−05	7.648−05	7.758−05	7.956−05	8.241−05
39	117	7.675−05	7.284−05	7.126−05	7.016−05	7.090−05	7.072−05	7.218−05	7.454−05
39	118	1.984−05	1.950−05	1.941−05	1.939−05	1.975−05	2.023−05	2.071−05	2.141−05
39	119	2.161−04	2.174−04	2.181−04	2.195−04	2.260−04	2.340−04	2.401−04	2.485−04
39	120	1.239−05	1.308−05	1.339−05	1.366−05	1.451−05	1.512−05	1.591−05	1.669−05
39	121	5.225−06	4.716−06	4.511−06	4.341−06	4.177−06	4.003−06	4.023−06	4.104−06
39	122	3.003−05	2.968−05	2.952−05	2.944−05	2.984−05	3.050−05	3.116−05	3.211−05
39	123	1.332−04	1.347−04	1.353−04	1.363−04	1.410−04	1.461−04	1.500−04	1.554−04
39	124	1.245−05	1.126−05	1.084−05	1.048−05	1.013−05	9.831−06	9.951−06	1.019−05
39	125	7.784−06	7.836−06	7.854−06	7.899−06	8.175−06	8.446−06	8.670−06	8.981−06
40	41	7.456−04	6.815−04	6.500−04	6.273−04	6.417−04	6.093−04	6.244−04	6.516−04
40	42	2.641−03	2.921−03	3.008−03	3.101−03	3.348−03	3.658−03	3.824−03	4.030−03
40	43	4.867−02	4.604−02	4.549−02	4.517−02	4.510−02	4.622−02	4.731−02	4.888−02
40	44	2.531−05	1.942−05	1.719−05	1.524−05	1.288−05	9.755−06	9.322−06	9.177−06
40	45	1.327−02	1.545−02	1.620−02	1.696−02	1.862−02	2.102−02	2.212−02	2.343−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
40	46	3.727−02	3.584−02	3.561−02	3.555−02	3.596−02	3.705−02	3.802−02	3.937−02
40	47	5.861−02	5.543−02	5.471−02	5.430−02	5.456−02	5.573−02	5.712−02	5.911−02
40	48	3.323−03	3.197−03	3.174−03	3.165−03	3.207−03	3.295−03	3.381−03	3.501−03
40	49	1.402−02	1.353−02	1.345−02	1.344−02	1.362−02	1.403−02	1.440−02	1.491−02
40	50	1.199−02	1.019−02	9.479−03	8.934−03	8.831−03	7.876−03	7.961−03	8.227−03
40	51	7.280−01	8.435−01	8.869−01	9.321−01	1.035+00	1.185+00	1.256+00	1.340+00
40	52	1.300+00	1.505+00	1.582+00	1.662+00	1.845+00	2.110+00	2.236+00	2.385+00
40	53	2.517−01	2.912−01	3.060−01	3.215−01	3.569−01	4.087−01	4.331−01	4.621−01
40	54	7.381−04	4.679−04	3.900−04	3.247−04	2.261−04	1.501−04	1.404−04	1.387−04
40	55	3.394−03	2.405−03	2.049−03	1.731−03	1.251−03	7.982−04	7.031−04	6.406−04
40	56	5.251−03	3.791−03	3.242−03	2.757−03	2.083−03	1.378−03	1.236−03	1.151−03
40	57	1.056−04	7.359−05	6.175−05	5.081−05	3.288−05	1.613−05	1.208−05	8.860−06
40	58	8.898−03	7.884−03	7.435−03	7.095−03	7.198−03	6.550−03	6.646−03	6.883−03
40	59	7.128−03	6.864−03	6.725−03	6.655−03	7.032−03	7.031−03	7.289−03	7.661−03
40	60	1.891−03	1.635−03	1.544−03	1.469−03	1.397−03	1.321−03	1.331−03	1.363−03
40	61	4.782−01	5.680−01	6.050−01	6.428−01	7.261−01	8.439−01	9.016−01	9.673−01
40	62	9.475−04	8.333−04	7.931−04	7.601−04	7.284−04	6.973−04	7.043−04	7.215−04
40	63	3.044−03	2.775−03	2.640−03	2.540−03	2.620−03	2.410−03	2.450−03	2.539−03
40	64	1.068−03	9.748−04	9.478−04	9.274−04	9.114−04	9.109−04	9.287−04	9.575−04
40	65	2.358−04	2.189−04	2.140−04	2.102−04	2.066−04	2.073−04	2.111−04	2.172−04
40	66	9.771−06	7.485−06	6.742−06	6.092−06	5.121−06	4.464−06	4.451−06	4.534−06
40	67	6.080−04	5.717−04	5.620−04	5.551−04	5.515−04	5.583−04	5.701−04	5.880−04
40	68	1.871−04	1.714−04	1.663−04	1.621−04	1.576−04	1.568−04	1.592−04	1.634−04
40	69	9.379−03	1.115−02	1.190−02	1.266−02	1.435−02	1.668−02	1.786−02	1.918−02
40	70	5.885−04	6.743−04	7.126−04	7.532−04	8.468−04	9.846−04	1.054−03	1.133−03
40	71	3.075−04	2.824−04	2.752−04	2.696−04	2.637−04	2.639−04	2.686−04	2.763−04
40	72	7.356−03	8.702−03	9.268−03	9.849−03	1.116−02	1.297−02	1.388−02	1.492−02
40	73	5.322−06	3.618−06	3.066−06	2.588−06	1.878−06	1.252−06	1.143−06	1.089−06
40	74	4.219−05	3.606−05	3.339−05	3.116−05	2.979−05	2.581−05	2.570−05	2.616−05
40	75	9.442−06	6.633−06	5.712−06	4.912−06	3.758−06	2.657−06	2.485−06	2.411−06
40	76	5.354−03	6.294−03	6.696−03	7.117−03	8.072−03	9.459−03	1.014−02	1.091−02
40	77	8.303−02	9.955−02	1.065−01	1.136−01	1.292−01	1.503−01	1.611−01	1.731−01
40	78	2.653−02	3.180−02	3.404−02	3.630−02	4.130−02	4.811−02	5.159−02	5.546−02
40	79	4.933−06	3.920−06	3.597−06	3.322−06	2.979−06	2.716−06	2.774−06	2.872−06
40	80	2.618−01	3.135−01	3.356−01	3.579−01	4.075−01	4.750−01	5.095−01	5.480−01
40	81	7.102−03	8.519−03	9.126−03	9.747−03	1.112−02	1.304−02	1.400−02	1.508−02
40	82	2.111−05	1.609−05	1.424−05	1.261−05	1.053−05	8.038−06	7.676−06	7.547−06
40	83	3.072−02	3.683−02	3.944−02	4.209−02	4.797−02	5.592−02	6.002−02	6.457−02
40	84	5.280−02	6.326−02	6.774−02	7.225−02	8.230−02	9.567−02	1.027−01	1.104−01
40	85	3.755−02	4.498−02	4.819−02	5.149−02	5.880−02	6.911−02	7.425−02	8.002−02
40	86	3.018−03	3.613−03	3.872−03	4.140−03	4.736−03	5.594−03	6.017−03	6.494−03
40	87	1.121−02	1.341−02	1.436−02	1.535−02	1.755−02	2.067−02	2.222−02	2.397−02
40	88	1.992−05	1.663−05	1.549−05	1.459−05	1.398−05	1.287−05	1.301−05	1.340−05
40	89	1.217−04	1.085−04	1.038−04	9.990−05	9.493−05	9.463−05	9.643−05	9.921−05
40	90	3.730−05	3.168−05	2.949−05	2.772−05	2.648−05	2.424−05	2.437−05	2.498−05
40	91	4.494−06	3.165−06	2.711−06	2.335−06	1.926−06	1.401−06	1.346−06	1.353−06
40	92	4.053−05	3.713−05	3.615−05	3.543−05	3.496−05	3.498−05	3.567−05	3.680−05
40	93	5.443−06	3.704−06	3.169−06	2.717−06	2.080−06	1.520−06	1.451−06	1.441−06
40	94	1.693−04	1.523−04	1.442−04	1.373−04	1.310−04	1.223−04	1.220−04	1.237−04
40	95	6.255−05	5.475−05	5.115−05	4.811−05	4.567−05	4.123−05	4.095−05	4.150−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
40	96	6.207−05	5.611−05	5.417−05	5.271−05	5.231−05	5.165−05	5.296−05	5.494−05
40	97	2.431−05	2.195−05	2.114−05	2.050−05	2.001−05	1.950−05	1.977−05	2.031−05
40	98	8.171−05	7.968−05	7.889−05	7.843−05	7.922−05	8.063−05	8.229−05	8.483−05
40	99	1.518−04	1.450−04	1.431−04	1.420−04	1.433−04	1.466−04	1.506−04	1.562−04
40	100	8.942−05	8.750−05	8.694−05	8.680−05	8.885−05	9.082−05	9.313−05	9.642−05
40	101	5.950−05	5.913−05	5.906−05	5.923−05	6.102−05	6.276−05	6.442−05	6.674−05
40	102	5.920−05	5.674−05	5.592−05	5.545−05	5.640−05	5.693−05	5.827−05	6.030−05
40	103	5.409−05	4.969−05	4.853−05	4.769−05	4.731−05	4.811−05	4.955−05	5.148−05
40	104	1.764−05	1.403−05	1.251−05	1.121−05	9.882−06	7.909−06	7.621−06	7.576−06
40	105	1.434−05	1.265−05	1.206−05	1.160−05	1.139−05	1.087−05	1.103−05	1.137−05
40	106	1.885−02	2.218−02	2.367−02	2.521−02	2.871−02	3.369−02	3.624−02	3.910−02
40	107	3.505−05	2.961−05	2.681−05	2.432−05	2.168−05	1.787−05	1.712−05	1.683−05
40	108	1.761−01	2.089−01	2.234−01	2.383−01	2.718−01	3.182−01	3.422−01	3.690−01
40	109	9.755−05	1.108−04	1.167−04	1.223−04	1.360−04	1.512−04	1.614−04	1.720−04
40	110	2.177−03	2.581−03	2.756−03	2.930−03	3.324−03	3.816−03	4.091−03	4.389−03
40	111	6.972−05	4.824−05	4.031−05	3.299−05	2.098−05	9.888−06	7.182−06	5.022−06
40	112	8.475−05	6.166−05	5.338−05	4.588−05	3.396−05	2.415−05	2.232−05	2.127−05
40	113	7.463−04	5.116−04	4.259−04	3.471−04	2.182−04	1.002−04	7.163−05	4.894−05
40	114	3.745−05	3.458−05	3.366−05	3.301−05	3.315−05	3.297−05	3.368−05	3.483−05
40	115	1.346−04	1.342−04	1.342−04	1.347−04	1.382−04	1.426−04	1.462−04	1.512−04
40	116	3.237−05	3.113−05	3.076−05	3.051−05	3.058−05	3.105−05	3.168−05	3.265−05
40	117	1.290−04	1.244−04	1.230−04	1.223−04	1.243−04	1.271−04	1.306−04	1.353−04
40	118	7.079−06	6.428−06	6.197−06	6.013−06	5.866−06	5.719−06	5.789−06	5.941−06
40	119	2.309−04	2.206−04	2.160−04	2.129−04	2.163−04	2.157−04	2.202−04	2.276−04
40	120	2.043−04	2.298−04	2.419−04	2.548−04	2.859−04	3.318−04	3.563−04	3.841−04
40	121	9.984−06	9.160−06	8.894−06	8.683−06	8.473−06	8.402−06	8.522−06	8.748−06
40	122	7.327−06	6.420−06	6.145−06	5.932−06	5.735−06	5.599−06	5.685−06	5.852−06
40	123	1.821−05	1.571−05	1.491−05	1.423−05	1.346−05	1.303−05	1.322−05	1.358−05
40	124	7.513−06	5.483−06	4.753−06	4.099−06	3.115−06	2.195−06	2.011−06	1.897−06
40	125	5.001−06	4.806−06	4.738−06	4.694−06	4.753−06	4.826−06	4.943−06	5.114−06
41	42	2.108−02	1.796−02	1.671−02	1.574−02	1.547−02	1.384−02	1.395−02	1.438−02
41	43	4.422−05	2.805−05	2.321−05	1.909−05	1.266−05	7.625−06	6.807−06	6.435−06
41	44	7.423−04	6.178−04	5.645−04	5.206−04	4.864−04	4.250−04	4.209−04	4.271−04
41	45	4.711−03	4.575−03	4.540−03	4.524−03	4.586−03	4.856−03	5.037−03	5.247−03
41	46	8.624−03	9.939−03	1.038−02	1.083−02	1.189−02	1.329−02	1.398−02	1.480−02
41	47	7.808−04	1.124−03	1.263−03	1.385−03	1.485−03	1.887−03	1.982−03	2.083−03
41	48	4.333−03	5.021−03	5.273−03	5.531−03	6.098−03	6.950−03	7.342−03	7.806−03
41	49	3.658−05	5.997−05	7.007−05	7.849−05	8.081−05	1.106−04	1.156−04	1.205−04
41	50	2.712−04	1.699−04	1.378−04	1.094−04	6.287−05	2.595−05	1.798−05	1.242−05
41	51	1.227−03	8.749−04	7.502−04	6.375−04	4.540−04	3.004−04	2.648−04	2.397−04
41	52	4.170−04	2.764−04	2.287−04	1.867−04	1.218−04	6.652−05	5.433−05	4.630−05
41	53	4.142−04	3.089−04	2.647−04	2.249−04	1.682−04	1.120−04	9.754−05	8.764−05
41	54	7.868−04	6.750−04	6.181−04	5.712−04	5.441−04	4.713−04	4.652−04	4.710−04
41	55	3.503−02	4.072−02	4.288−02	4.513−02	5.019−02	5.766−02	6.116−02	6.529−02
41	56	7.994−02	9.290−02	9.782−02	1.029−01	1.145−01	1.315−01	1.396−01	1.490−01
41	57	3.088−05	2.229−05	1.999−05	1.808−05	1.491−05	1.337−05	1.334−05	1.359−05
41	58	4.792−03	3.729−03	3.229−03	2.779−03	2.216−03	1.533−03	1.368−03	1.262−03
41	59	6.137−03	5.081−03	4.657−03	4.297−03	3.956−03	3.436−03	3.400−03	3.441−03
41	60	7.998−02	9.528−02	1.016−01	1.080−01	1.220−01	1.420−01	1.518−01	1.629−01
41	61	1.195−02	9.900−03	8.811−03	7.874−03	7.110−03	5.615−03	5.355−03	5.278−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
41	62	1.469−02	1.743−02	1.856−02	1.972−02	2.228−02	2.596−02	2.774−02	2.978−02
41	63	2.138−03	1.668−03	1.492−03	1.338−03	1.142−03	9.209−04	8.895−04	8.815−04
41	64	1.465−02	1.747−02	1.864−02	1.984−02	2.247−02	2.623−02	2.806−02	3.015−02
41	65	5.257−03	6.266−03	6.687−03	7.114−03	8.056−03	9.375−03	1.003−02	1.077−02
41	66	9.010−05	7.698−05	7.260−05	6.872−05	6.128−05	6.240−05	6.308−05	6.428−05
41	67	2.263−03	2.684−03	2.862−03	3.045−03	3.450−03	4.047−03	4.334−03	4.663−03
41	68	3.319−02	3.984−02	4.262−02	4.543−02	5.160−02	5.999−02	6.424−02	6.900−02
41	69	5.531−03	5.205−03	5.094−03	5.018−03	5.054−03	5.053−03	5.163−03	5.336−03
41	70	4.446−03	3.823−03	3.541−03	3.291−03	2.993−03	2.668−03	2.613−03	2.611−03
41	71	2.419−03	2.846−03	3.026−03	3.215−03	3.645−03	4.274−03	4.578−03	4.929−03
41	72	1.876−03	1.514−03	1.370−03	1.241−03	1.060−03	8.898−04	8.560−04	8.422−04
41	73	4.023−02	4.828−02	5.166−02	5.505−02	6.257−02	7.258−02	7.776−02	8.350−02
41	74	1.186−03	1.047−03	1.001−03	9.632−04	9.208−04	8.881−04	8.974−04	9.188−04
41	75	2.003−04	1.820−04	1.764−04	1.718−04	1.673−04	1.653−04	1.679−04	1.726−04
41	76	5.756−03	5.081−03	4.815−03	4.597−03	4.426−03	4.180−03	4.211−03	4.309−03
41	77	5.021−04	4.541−04	4.351−04	4.189−04	4.007−04	3.872−04	3.895−04	3.971−04
41	78	9.828−04	8.746−04	8.372−04	8.052−04	7.619−04	7.382−04	7.429−04	7.571−04
41	79	2.334−02	2.784−02	2.973−02	3.159−02	3.577−02	4.097−02	4.386−02	4.700−02
41	80	1.139−04	1.033−04	9.974−05	9.700−05	9.552−05	9.374−05	9.534−05	9.822−05
41	81	2.714−05	1.873−05	1.572−05	1.310−05	9.375−06	5.761−06	5.018−06	4.578−06
41	82	3.053−05	2.753−05	2.581−05	2.435−05	2.359−05	2.119−05	2.104−05	2.133−05
41	83	3.106−05	2.832−05	2.751−05	2.688−05	2.624−05	2.633−05	2.690−05	2.777−05
41	84	3.237−05	2.803−05	2.596−05	2.385−05	1.925−05	1.969−05	2.009−05	2.044−05
41	85	5.178−05	4.308−05	3.912−05	3.562−05	3.110−05	2.669−05	2.565−05	2.524−05
41	86	6.042−05	5.196−05	4.777−05	4.378−05	3.718−05	3.429−05	3.385−05	3.378−05
41	87	1.860−05	1.357−05	1.165−05	9.969−06	7.871−06	5.354−06	4.899−06	4.671−06
41	88	1.063−02	1.270−02	1.360−02	1.452−02	1.657−02	1.941−02	2.085−02	2.247−02
41	89	3.894−02	4.662−02	4.994−02	5.332−02	6.086−02	7.115−02	7.643−02	8.231−02
41	90	2.133−03	2.468−03	2.612−03	2.753−03	3.082−03	3.472−03	3.712−03	3.968−03
41	91	4.081−04	4.855−04	5.194−04	5.543−04	6.323−04	7.424−04	7.979−04	8.602−04
41	92	9.164−04	6.312−04	5.267−04	4.304−04	2.721−04	1.267−04	9.138−05	6.324−05
41	93	4.580−05	4.099−05	3.785−05	3.498−05	3.146−05	2.784−05	2.676−05	2.625−05
41	94	1.223−02	1.465−02	1.570−02	1.678−02	1.917−02	2.250−02	2.418−02	2.607−02
41	95	2.585−04	1.784−04	1.490−04	1.218−04	7.705−05	3.589−05	2.585−05	1.783−05
41	96	1.097−03	1.190−03	1.235−03	1.281−03	1.400−03	1.563−03	1.664−03	1.778−03
41	97	4.628−02	5.536−02	5.932−02	6.336−02	7.239−02	8.482−02	9.118−02	9.826−02
41	98	3.148−06	2.885−06	2.773−06	2.690−06	2.710−06	2.598−06	2.640−06	2.725−06
41	99	1.698−02	2.014−02	2.152−02	2.292−02	2.608−02	3.032−02	3.256−02	3.504−02
41	100	9.964−04	9.504−04	9.403−04	9.353−04	9.539−04	1.016−03	1.068−03	1.133−03
41	101	1.440−03	1.594−03	1.666−03	1.743−03	1.931−03	2.209−03	2.362−03	2.537−03
41	102	1.817−04	1.257−04	1.050−04	8.595−05	5.459−05	2.569−05	1.863−05	1.299−05
41	103	9.639−02	1.153−01	1.235−01	1.319−01	1.506−01	1.758−01	1.890−01	2.036−01
41	104	7.390−02	8.841−02	9.479−02	1.013−01	1.160−01	1.364−01	1.468−01	1.584−01
41	105	2.168−02	2.584−02	2.767−02	2.956−02	3.379−02	3.966−02	4.267−02	4.602−02
41	106	1.392−05	1.328−05	1.300−05	1.275−05	1.243−05	1.273−05	1.313−05	1.361−05
41	107	6.528−05	7.253−05	7.607−05	8.000−05	8.943−05	1.049−04	1.126−04	1.216−04
41	108	9.108−06	7.507−06	6.645−06	5.878−06	5.021−06	3.905−06	3.624−06	3.468−06
41	109	4.891−06	3.402−06	2.873−06	2.404−06	1.704−06	1.055−06	9.165−07	8.272−07
41	110	1.283−05	1.094−05	9.751−06	8.679−06	7.536−06	6.009−06	5.587−06	5.345−06
41	111	7.649−07	5.141−07	4.264−07	3.487−07	2.327−07	1.222−07	9.921−08	8.386−08

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
41	112	7.598−06	6.697−06	6.409−06	6.212−06	6.260−06	6.713−06	7.137−06	7.602−06
41	113	2.437−06	2.110−06	1.913−06	1.734−06	1.513−06	1.281−06	1.209−06	1.168−06
41	114	1.577−04	1.091−04	9.114−05	7.454−05	4.723−05	2.203−05	1.585−05	1.091−05
41	115	3.482−06	3.213−06	3.098−06	3.014−06	3.030−06	2.930−06	2.977−06	3.071−06
41	116	4.153−03	4.946−03	5.301−03	5.670−03	6.505−03	7.691−03	8.290−03	8.962−03
41	117	2.024−04	2.071−04	2.108−04	2.157−04	2.313−04	2.596−04	2.765−04	2.964−04
41	118	1.078−03	1.284−03	1.376−03	1.472−03	1.687−03	1.990−03	2.144−03	2.317−03
41	119	3.161−05	2.254−05	1.918−05	1.610−05	1.126−05	6.579−06	5.524−06	4.740−06
41	120	5.671−06	5.058−06	4.774−06	4.539−06	4.374−06	4.265−06	4.343−06	4.478−06
41	121	1.055−03	1.250−03	1.338−03	1.430−03	1.639−03	1.938−03	2.089−03	2.260−03
41	122	2.760−03	3.281−03	3.516−03	3.759−03	4.312−03	5.093−03	5.490−03	5.935−03
41	123	1.110−03	1.280−03	1.361−03	1.450−03	1.651−03	1.979−03	2.127−03	2.299−03
41	124	1.628−05	1.326−05	1.225−05	1.139−05	1.025−05	9.693−06	9.855−06	1.020−05
41	125	3.363−05	2.427−05	2.096−05	1.801−05	1.356−05	9.761−06	9.100−06	8.776−06
42	43	1.249−02	1.435−02	1.492−02	1.549−02	1.693−02	1.866−02	1.954−02	2.061−02
42	44	2.135−04	2.021−04	1.983−04	1.954−04	1.927−04	1.947−04	1.978−04	2.031−04
42	45	1.783−03	1.582−03	1.506−03	1.447−03	1.426−03	1.351−03	1.369−03	1.409−03
42	46	1.024−03	1.137−03	1.169−03	1.205−03	1.315−03	1.427−03	1.493−03	1.576−03
42	47	9.433−04	1.063−03	1.104−03	1.147−03	1.254−03	1.400−03	1.473−03	1.561−03
42	48	3.968−04	3.752−04	3.603−04	3.501−04	3.686−04	3.414−04	3.478−04	3.609−04
42	49	5.273−05	4.588−05	4.301−05	4.084−05	4.104−05	3.692−05	3.740−05	3.870−05
42	50	5.695−03	4.885−03	4.475−03	4.134−03	3.912−03	3.392−03	3.343−03	3.378−03
42	51	1.438−03	1.257−03	1.189−03	1.135−03	1.099−03	1.032−03	1.042−03	1.070−03
42	52	1.240−03	8.344−04	6.934−04	5.697−04	3.852−04	2.167−04	1.803−04	1.572−04
42	53	1.009−04	7.160−05	6.242−05	5.476−05	4.458−05	3.522−05	3.424−05	3.443−05
42	54	6.410−05	4.898−05	4.218−05	3.644−05	3.120−05	2.197−05	2.038−05	1.983−05
42	55	4.701−05	4.219−05	3.997−05	3.834−05	3.910−05	3.579−05	3.634−05	3.762−05
42	56	3.268−04	3.621−04	3.754−04	3.896−04	4.220−04	4.751−04	4.999−04	5.298−04
42	57	1.094−04	8.906−05	8.300−05	7.797−05	7.077−05	6.643−05	6.663−05	6.799−05
42	58	1.061−02	8.391−03	7.425−03	6.586−03	5.683−03	4.373−03	4.158−03	4.080−03
42	59	1.503−02	1.298−02	1.202−02	1.122−02	1.078−02	9.567−03	9.528−03	9.704−03
42	60	8.222−04	9.344−04	9.823−04	1.033−03	1.150−03	1.320−03	1.406−03	1.506−03
42	61	1.035−02	7.647−03	6.584−03	5.638−03	4.352−03	2.948−03	2.657−03	2.481−03
42	62	1.705−03	2.030−03	2.164−03	2.299−03	2.596−03	3.002−03	3.206−03	3.436−03
42	63	5.896−03	5.003−03	4.522−03	4.112−03	3.824−03	3.174−03	3.082−03	3.080−03
42	64	2.263−05	1.457−05	1.213−05	1.006−05	6.890−06	4.355−06	3.951−06	3.780−06
42	65	1.023−03	1.226−03	1.310−03	1.395−03	1.581−03	1.836−03	1.965−03	2.109−03
42	66	1.144−04	9.184−05	8.436−05	7.802−05	6.951−05	6.264−05	6.222−05	6.300−05
42	67	2.021−04	1.967−04	1.909−04	1.871−04	1.987−04	1.874−04	1.912−04	1.985−04
42	68	5.584−04	6.616−04	7.049−04	7.481−04	8.445−04	9.720−04	1.039−03	1.114−03
42	69	9.903−04	7.784−04	6.834−04	6.007−04	5.101−04	3.884−04	3.650−04	3.547−04
42	70	6.626−03	5.202−03	4.618−03	4.114−03	3.558−03	2.818−03	2.706−03	2.678−03
42	71	3.478−03	4.117−03	4.386−03	4.664−03	5.288−03	6.183−03	6.619−03	7.119−03
42	72	1.924−03	1.550−03	1.360−03	1.193−03	1.014−03	7.562−04	7.000−04	6.702−04
42	73	3.277−02	3.926−02	4.199−02	4.475−02	5.084−02	5.908−02	6.329−02	6.798−02
42	74	1.156−03	9.900−04	9.106−04	8.439−04	7.962−04	6.993−04	6.915−04	6.997−04
42	75	1.480−04	1.293−04	1.213−04	1.147−04	1.105−04	1.021−04	1.025−04	1.048−04
42	76	5.275−03	4.223−03	3.736−03	3.311−03	2.870−03	2.222−03	2.105−03	2.059−03
42	77	4.882−04	3.966−04	3.580−04	3.251−04	2.926−04	2.442−04	2.385−04	2.390−04
42	78	1.263−03	9.721−04	8.513−04	7.457−04	6.228−04	4.648−04	4.368−04	4.245−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
42	79	1.631−01	1.958−01	2.096−01	2.234−01	2.541−01	2.947−01	3.159−01	3.393−01
42	80	6.837−05	5.376−05	4.864−05	4.432−05	3.867−05	3.473−05	3.452−05	3.507−05
42	81	4.455−05	3.230−05	2.781−05	2.389−05	1.841−05	1.329−05	1.227−05	1.174−05
42	82	6.056−05	5.442−05	5.074−05	4.753−05	4.477−05	4.011−05	3.939−05	3.948−05
42	83	8.269−05	6.785−05	6.023−05	5.355−05	4.695−05	3.634−05	3.421−05	3.327−05
42	84	3.475−05	3.022−05	2.763−05	2.539−05	2.353−05	2.012−05	1.952−05	1.943−05
42	85	1.612−04	1.137−04	9.600−05	8.027−05	5.748−05	3.545−05	3.053−05	2.731−05
42	86	4.570−05	3.927−05	3.654−05	3.438−05	3.369−05	3.000−05	3.013−05	3.095−05
42	87	1.186−04	9.845−05	8.942−05	8.123−05	6.922−05	6.086−05	5.892−05	5.812−05
42	88	1.507−02	1.803−02	1.931−02	2.061−02	2.352−02	2.750−02	2.954−02	3.181−02
42	89	1.214−04	1.431−04	1.525−04	1.622−04	1.840−04	2.137−04	2.292−04	2.465−04
42	90	4.398−02	5.255−02	5.627−02	6.005−02	6.850−02	8.011−02	8.605−02	9.268−02
42	91	1.439−04	9.934−05	8.296−05	6.786−05	4.309−05	2.023−05	1.467−05	1.024−05
42	92	1.745−02	2.039−02	2.167−02	2.296−02	2.592−02	2.988−02	3.203−02	3.440−02
42	93	7.655−05	7.266−05	6.970−05	6.707−05	6.446−05	6.202−05	6.167−05	6.222−05
42	94	1.162−03	1.375−03	1.469−03	1.565−03	1.782−03	2.088−03	2.244−03	2.418−03
42	95	6.379−04	6.909−04	7.157−04	7.398−04	8.041−04	8.790−04	9.344−04	9.933−04
42	96	5.100−02	6.077−02	6.502−02	6.937−02	7.912−02	9.255−02	9.944−02	1.071−01
42	97	4.638−02	5.540−02	5.933−02	6.335−02	7.233−02	8.473−02	9.107−02	9.814−02
42	98	1.808−03	1.246−03	1.039−03	8.493−04	5.365−04	2.489−04	1.788−04	1.229−04
42	99	5.338−02	6.390−02	6.849−02	7.318−02	8.366−02	9.807−02	1.054−01	1.137−01
42	100	1.459−05	1.176−05	1.086−05	1.008−05	9.081−06	8.300−06	8.458−06	8.730−06
42	101	8.374−06	5.754−06	4.845−06	4.032−06	2.775−06	1.594−06	1.349−06	1.183−06
42	102	1.272−01	1.519−01	1.627−01	1.736−01	1.983−01	2.315−01	2.489−01	2.681−01
42	103	5.183−03	5.975−03	6.334−03	6.712−03	7.585−03	8.872−03	9.529−03	1.027−02
42	104	7.484−05	5.165−05	4.313−05	3.526−05	2.234−05	1.046−05	7.552−06	5.235−06
42	105	1.282−01	1.534−01	1.645−01	1.759−01	2.014−01	2.369−01	2.549−01	2.750−01
42	106	2.041−06	1.746−06	1.646−06	1.564−06	1.470−06	1.382−06	1.391−06	1.421−06
42	107	1.704−05	1.199−05	1.012−05	8.406−06	5.715−06	3.098−06	2.500−06	2.048−06
42	108	6.915−06	6.019−06	5.641−06	5.285−06	4.786−06	4.343−06	4.390−06	4.487−06
42	109	2.212−06	1.963−06	1.868−06	1.786−06	1.690−06	1.628−06	1.641−06	1.677−06
42	110	8.511−06	5.938−06	4.988−06	4.141−06	2.907−06	1.672−06	1.405−06	1.226−06
42	111	1.718−06	1.396−06	1.287−06	1.191−06	1.049−06	9.357−07	9.239−07	9.284−07
42	112	1.517−06	1.221−06	1.125−06	1.042−06	9.154−07	8.218−07	8.143−07	8.207−07
42	113	5.912−07	4.677−07	4.302−07	3.985−07	3.513−07	3.201−07	3.189−07	3.235−07
42	114	5.845−03	6.969−03	7.469−03	7.985−03	9.150−03	1.077−02	1.160−02	1.253−02
42	115	2.829−04	1.954−04	1.631−04	1.334−04	8.448−05	3.938−05	2.838−05	1.959−05
42	116	1.016−04	9.041−05	8.690−05	8.406−05	8.164−05	8.340−05	8.685−05	9.148−05
42	117	5.275−04	6.168−04	6.576−04	7.005−04	7.989−04	9.430−04	1.016−03	1.098−03
42	118	8.882−05	6.141−05	5.130−05	4.196−05	2.658−05	1.240−05	8.932−06	6.154−06
42	119	4.306−03	5.119−03	5.482−03	5.857−03	6.706−03	7.887−03	8.495−03	9.172−03
42	120	2.983−06	2.149−06	1.846−06	1.579−06	1.212−06	8.186−07	7.471−07	7.079−07
42	121	3.122−05	2.157−05	1.801−05	1.473−05	9.333−06	4.352−06	3.135−06	2.162−06
42	122	6.009−04	6.820−04	7.201−04	7.606−04	8.566−04	9.983−04	1.073−03	1.157−03
42	123	3.623−03	4.307−03	4.615−03	4.936−03	5.665−03	6.701−03	7.226−03	7.814−03
42	124	9.310−05	1.040−04	1.096−04	1.159−04	1.310−04	1.565−04	1.683−04	1.820−04
42	125	8.403−04	9.422−04	9.929−04	1.050−03	1.185−03	1.413−03	1.518−03	1.640−03
43	44	7.667−06	5.940−06	5.356−06	4.887−06	4.489−06	3.794−06	3.791−06	3.892−06
43	45	6.325−05	4.135−05	3.439−05	2.829−05	1.862−05	1.061−05	9.076−06	8.130−06
43	46	4.179−02	3.802−02	3.698−02	3.622−02	3.565−02	3.573−02	3.647−02	3.765−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
43	47	2.647−02	2.448−02	2.380−02	2.325−02	2.267−02	2.250−02	2.281−02	2.338−02
43	48	1.662−04	9.399−05	7.369−05	5.639−05	2.686−05	8.348−06	4.739−06	2.630−06
43	49	1.264−03	7.242−04	5.695−04	4.375−04	2.155−04	6.850−05	3.974−05	2.275−05
43	50	3.295+00	3.809+00	3.997+00	4.191+00	4.638+00	5.274+00	5.578+00	5.938+00
43	51	1.609−01	1.831−01	1.912−01	1.997−01	2.205−01	2.490−01	2.630−01	2.799−01
43	52	7.957−01	9.182−01	9.633−01	1.010+00	1.118+00	1.273+00	1.347+00	1.435+00
43	53	1.245−02	1.157−02	1.106−02	1.070−02	1.116−02	1.030−02	1.048−02	1.088−02
43	54	7.445−03	6.967−03	6.670−03	6.464−03	6.767−03	6.258−03	6.373−03	6.612−03
43	55	2.330−05	1.551−05	1.278−05	1.031−05	6.296−06	2.748−06	1.913−06	1.273−06
43	56	8.865−05	6.923−05	6.263−05	5.696−05	4.926−05	4.236−05	4.162−05	4.181−05
43	57	2.893−06	1.643−06	1.293−06	9.957−07	4.939−07	1.677−07	1.086−07	7.660−08
43	58	6.576−02	7.428−02	7.752−02	8.098−02	8.929−02	1.013−01	1.072−01	1.143−01
43	59	2.219−03	1.464−03	1.241−03	1.055−03	7.877−04	5.640−04	5.387−04	5.382−04
43	60	5.025−03	3.621−03	3.062−03	2.567−03	1.912−03	1.164−03	1.004−03	9.041−04
43	61	2.312−02	2.448−02	2.528−02	2.621−02	2.852−02	3.240−02	3.447−02	3.688−02
43	62	3.392−03	2.396−03	2.020−03	1.684−03	1.200−03	7.058−04	5.980−04	5.253−04
43	63	1.007−03	5.792−04	4.584−04	3.559−04	1.842−04	7.037−05	4.995−05	3.905−05
43	64	1.944−03	1.312−03	1.086−03	8.791−04	5.438−04	2.419−04	1.698−04	1.135−04
43	65	1.666−04	1.234−04	1.053−04	8.919−05	6.957−05	4.391−05	3.879−05	3.572−05
43	66	1.572−04	1.096−04	9.193−05	7.556−05	4.865−05	2.354−05	1.741−05	1.251−05
43	67	7.174−05	4.844−05	4.014−05	3.254−05	2.000−05	9.039−06	6.373−06	4.265−06
43	68	2.059−04	1.382−04	1.157−04	9.566−05	6.298−05	3.617−05	3.031−05	2.624−05
43	69	5.955−04	7.090−04	7.565−04	8.047−04	9.119−04	1.059−03	1.133−03	1.217−03
43	70	3.849−03	4.517−03	4.801−03	5.091−03	5.740−03	6.654−03	7.117−03	7.641−03
43	71	9.146−05	6.537−05	5.514−05	4.588−05	3.227−05	1.825−05	1.501−05	1.267−05
43	72	1.000−04	5.643−05	4.425−05	3.392−05	1.633−05	5.026−06	2.948−06	1.800−06
43	73	7.529−07	5.110−07	4.246−07	3.482−07	2.377−07	1.265−07	1.036−07	8.855−08
43	74	9.304−06	6.999−06	6.264−06	5.666−06	5.036−06	4.244−06	4.225−06	4.326−06
43	75	1.893−05	1.662−05	1.568−05	1.497−05	1.506−05	1.384−05	1.405−05	1.455−05
43	76	1.138−03	1.305−03	1.381−03	1.460−03	1.639−03	1.895−03	2.028−03	2.178−03
43	77	3.752−05	2.958−05	2.664−05	2.411−05	2.128−05	1.737−05	1.698−05	1.703−05
43	78	3.295−05	2.467−05	2.166−05	1.899−05	1.536−05	1.132−05	1.066−05	1.035−05
43	79	8.293−06	5.747−06	4.854−06	4.069−06	2.931−06	1.814−06	1.597−06	1.466−06
43	80	2.415−03	2.885−03	3.084−03	3.283−03	3.727−03	4.315−03	4.622−03	4.962−03
43	81	2.492−01	2.988−01	3.198−01	3.411−01	3.882−01	4.515−01	4.842−01	5.205−01
43	82	7.542−06	5.199−06	4.507−06	3.939−06	3.184−06	2.506−06	2.458−06	2.499−06
43	83	1.100−05	7.098−06	5.977−06	5.043−06	3.645−06	2.573−06	2.448−06	2.443−06
43	84	9.722−06	6.532−06	5.512−06	4.623−06	3.250−06	2.080−06	1.874−06	1.761−06
43	85	2.899−01	3.471−01	3.715−01	3.962−01	4.512−01	5.253−01	5.636−01	6.061−01
43	86	1.515−05	1.027−05	8.568−06	7.024−06	4.497−06	2.265−06	1.758−06	1.374−06
43	87	1.335−02	1.600−02	1.714−02	1.830−02	2.089−02	2.441−02	2.622−02	2.823−02
43	88	1.541−05	1.143−05	9.988−06	8.833−06	8.063−06	6.183−06	6.086−06	6.249−06
43	89	5.466−05	4.075−05	3.602−05	3.191−05	2.598−05	2.068−05	1.986−05	1.959−05
43	90	3.106−05	2.473−05	2.240−05	2.055−05	1.942−05	1.660−05	1.661−05	1.708−05
43	91	1.013−05	7.828−06	6.881−06	6.136−06	5.896−06	4.502−06	4.444−06	4.580−06
43	92	1.999−04	1.750−04	1.661−04	1.593−04	1.574−04	1.507−04	1.544−04	1.604−04
43	93	2.637−06	1.465−06	1.148−06	8.831−07	4.318−07	1.541−07	1.085−07	8.862−08
43	94	2.336−05	1.572−05	1.357−05	1.177−05	8.940−06	7.104−06	6.908−06	6.946−06
43	95	1.529−04	1.387−04	1.345−04	1.314−04	1.307−04	1.308−04	1.346−04	1.399−04
43	96	2.549−05	1.906−05	1.669−05	1.476−05	1.331−05	1.028−05	1.010−05	1.032−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
43	97	1.194−05	8.119−06	6.853−06	5.812−06	4.679−06	3.169−06	3.009−06	3.023−06
43	98	1.988−04	1.798−04	1.716−04	1.654−04	1.649−04	1.571−04	1.594−04	1.643−04
43	99	2.328−05	1.847−05	1.667−05	1.518−05	1.400−05	1.164−05	1.152−05	1.174−05
43	100	8.783−06	6.562−06	5.713−06	5.022−06	4.548−06	3.364−06	3.286−06	3.353−06
43	101	1.346−06	7.177−07	5.569−07	4.234−07	1.852−07	5.903−08	3.953−08	3.259−08
43	102	6.140−05	5.458−05	5.256−05	5.105−05	5.029−05	4.988−05	5.122−05	5.320−05
43	103	8.356−06	5.102−06	4.126−06	3.306−06	2.094−06	1.076−06	9.124−07	8.474−07
43	104	2.895−06	1.768−06	1.433−06	1.150−06	7.225−07	3.781−07	3.220−07	2.980−07
43	105	7.029−06	4.069−06	3.238−06	2.531−06	1.327−06	5.479−07	4.047−07	3.268−07
43	106	7.343−06	4.930−06	4.124−06	3.406−06	2.261−06	1.271−06	1.064−06	9.232−07
43	107	1.627−05	1.028−05	8.337−06	6.623−06	3.818−06	1.549−06	1.048−06	6.907−07
43	108	4.260−04	5.066−04	5.426−04	5.799−04	6.641−04	7.844−04	8.449−04	9.129−04
43	109	5.013−02	5.911−02	6.310−02	6.722−02	7.657−02	8.968−02	9.644−02	1.040−01
43	110	2.343−01	2.784−01	2.979−01	3.179−01	3.631−01	4.257−01	4.580−01	4.939−01
43	111	5.090−07	2.999−07	2.429−07	1.953−07	1.173−07	6.682−08	5.986−08	5.805−08
43	112	5.378−04	3.701−04	3.087−04	2.520−04	1.589−04	7.350−05	5.269−05	3.610−05
43	113	2.087−07	1.159−07	9.044−08	6.892−08	3.225−08	9.143−09	5.059−09	2.961−09
43	114	9.779−05	8.635−05	8.278−05	8.000−05	7.823−05	7.690−05	7.894−05	8.195−05
43	115	1.623−04	1.432−04	1.347−04	1.277−04	1.243−04	1.149−04	1.155−04	1.182−04
43	116	4.728−06	3.583−06	3.148−06	2.794−06	2.531−06	1.944−06	1.902−06	1.935−06
43	117	1.217−05	1.005−05	9.249−06	8.590−06	8.080−06	7.076−06	7.060−06	7.210−06
43	118	1.095−06	7.491−07	6.342−07	5.388−07	4.293−07	2.919−07	2.758−07	2.749−07
43	119	2.532−05	2.185−05	2.065−05	1.969−05	1.896−05	1.806−05	1.831−05	1.886−05
43	120	8.402−04	5.752−04	4.786−04	3.898−04	2.446−04	1.119−04	7.969−05	5.421−05
43	121	1.555−06	9.737−07	7.903−07	6.281−07	3.558−07	1.455−07	9.908−08	6.596−08
43	122	3.630−06	2.339−06	1.931−06	1.582−06	1.077−06	6.224−07	5.471−07	5.123−07
43	123	8.476−06	5.344−06	4.368−06	3.521−06	2.172−06	1.078−06	8.639−07	7.326−07
43	124	1.366−06	9.070−07	7.521−07	6.146−07	3.986−07	2.115−07	1.712−07	1.437−07
43	125	7.968−06	5.569−06	4.692−06	3.901−06	2.694−06	1.555−06	1.299−06	1.118−06
44	45	1.009−02	8.232−03	7.324−03	6.563−03	5.974−03	4.777−03	4.603−03	4.587−03
44	46	1.480−02	1.705−02	1.772−02	1.840−02	2.007−02	2.204−02	2.304−02	2.427−02
44	47	5.095−05	3.526−05	3.025−05	2.597−05	1.997−05	1.438−05	1.360−05	1.338−05
44	48	-1.434−05	2.089−04	3.039−04	3.785−04	3.625−04	6.144−04	6.351−04	6.470−04
44	49	2.710−02	3.172−02	3.337−02	3.502−02	3.850−02	4.378−02	4.614−02	4.893−02
44	50	1.129−05	6.932−06	5.641−06	4.569−06	3.068−06	1.726−06	1.551−06	1.514−06
44	51	2.701−04	2.597−04	2.577−04	2.570−04	2.603−04	2.674−04	2.743−04	2.839−04
44	52	6.221−06	3.632−06	2.907−06	2.299−06	1.333−06	6.467−07	5.436−07	5.060−07
44	53	1.940−05	1.556−05	1.443−05	1.348−05	1.211−05	1.126−05	1.128−05	1.150−05
44	54	1.898−05	1.561−05	1.472−05	1.402−05	1.316−05	1.327−05	1.381−05	1.447−05
44	55	1.496−01	1.732−01	1.820−01	1.911−01	2.118−01	2.418−01	2.560−01	2.728−01
44	56	5.286−01	6.129−01	6.442−01	6.768−01	7.508−01	8.581−01	9.088−01	9.688−01
44	57	4.979−05	4.228−05	3.992−05	3.818−05	3.750−05	3.799−05	3.956−05	4.149−05
44	58	7.449−04	7.151−04	7.080−04	7.039−04	7.062−04	7.228−04	7.386−04	7.622−04
44	59	1.014−03	9.753−04	9.680−04	9.654−04	9.761−04	1.003−03	1.028−03	1.064−03
44	60	1.170−03	6.677−04	5.249−04	4.027−04	1.926−04	6.189−05	3.576−05	1.953−05
44	61	3.208−05	2.202−05	1.856−05	1.567−05	1.259−05	8.182−06	7.667−06	7.614−06
44	62	6.392−01	7.614−01	8.113−01	8.621−01	9.733−01	1.131+00	1.208+00	1.296+00
44	63	6.497−05	6.032−05	5.928−05	5.875−05	6.013−05	6.444−05	6.765−05	7.113−05
44	64	4.297−01	5.128−01	5.470−01	5.819−01	6.583−01	7.668−01	8.197−01	8.798−01
44	65	1.360−02	1.604−02	1.705−02	1.811−02	2.042−02	2.384−02	2.549−02	2.738−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
44	66	6.017−04	5.904−04	5.892−04	5.900−04	6.001−04	6.196−04	6.352−04	6.570−04
44	67	2.493−02	2.949−02	3.140−02	3.338−02	3.776−02	4.421−02	4.732−02	5.088−02
44	68	7.692−05	4.903−05	4.005−05	3.202−05	1.838−05	7.865−06	5.440−06	3.615−06
44	69	2.608−02	2.558−02	2.551−02	2.555−02	2.600−02	2.683−02	2.751−02	2.846−02
44	70	1.479−03	8.435−04	6.624−04	5.082−04	2.502−04	7.681−05	4.466−05	2.638−05
44	71	2.731−01	3.280−01	3.509−01	3.741−01	4.250−01	4.942−01	5.292−01	5.684−01
44	72	1.571−02	1.539−02	1.535−02	1.536−02	1.563−02	1.612−02	1.652−02	1.709−02
44	73	5.963−06	4.953−06	4.748−06	4.583−06	4.459−06	4.526−06	4.838−06	5.158−06
44	74	3.348−04	1.963−04	1.570−04	1.236−04	6.849−05	3.214−05	2.611−05	2.317−05
44	75	5.752−05	3.429−05	2.753−05	2.175−05	1.207−05	5.868−06	4.719−06	4.081−06
44	76	2.869−02	2.822−02	2.818−02	2.823−02	2.879−02	2.973−02	3.048−02	3.154−02
44	77	2.599−03	2.534−03	2.522−03	2.520−03	2.556−03	2.630−03	2.695−03	2.786−03
44	78	1.835−02	1.811−02	1.810−02	1.816−02	1.854−02	1.916−02	1.965−02	2.033−02
44	79	2.901−05	2.624−05	2.489−05	2.388−05	2.433−05	2.230−05	2.261−05	2.337−05
44	80	8.340−04	8.117−04	8.004−04	7.921−04	7.913−04	8.008−04	8.133−04	8.349−04
44	81	3.583−05	3.386−05	3.324−05	3.278−05	3.247−05	3.276−05	3.334−05	3.429−05
44	82	1.817−05	1.659−05	1.623−05	1.609−05	1.665−05	1.880−05	2.011−05	2.148−05
44	83	2.720−05	2.440−05	2.340−05	2.256−05	2.144−05	2.085−05	2.097−05	2.136−05
44	84	8.681−06	7.186−06	6.592−06	6.090−06	5.611−06	4.912−06	4.874−06	4.940−06
44	85	1.825−05	1.037−05	8.149−06	6.263−06	3.106−06	9.783−07	6.029−07	4.018−07
44	86	7.072−06	5.051−06	4.386−06	3.799−06	2.848−06	2.118−06	1.970−06	1.887−06
44	87	1.611−04	1.542−04	1.486−04	1.438−04	1.392−04	1.354−04	1.350−04	1.365−04
44	88	2.532−03	3.031−03	3.245−03	3.460−03	3.940−03	4.575−03	4.909−03	5.277−03
44	89	3.246−04	2.222−04	1.851−04	1.509−04	9.472−05	4.359−05	3.120−05	2.139−05
44	90	3.694−06	2.929−06	2.673−06	2.467−06	2.288−06	2.001−06	2.006−06	2.060−06
44	91	1.870−05	2.233−05	2.392−05	2.556−05	2.921−05	3.446−05	3.704−05	3.996−05
44	92	1.330−06	9.379−07	8.198−07	7.219−07	5.916−07	4.732−07	4.638−07	4.700−07
44	93	3.620−05	3.250−05	3.151−05	3.095−05	3.126−05	3.552−05	3.791−05	4.043−05
44	94	1.385−01	1.659−01	1.777−01	1.897−01	2.163−01	2.519−01	2.705−01	2.911−01
44	95	1.493−05	1.315−05	1.243−05	1.188−05	1.192−05	1.099−05	1.115−05	1.153−05
44	96	1.418−05	1.219−05	1.133−05	1.061−05	1.016−05	8.902−06	8.877−06	9.039−06
44	97	9.125−03	1.094−02	1.172−02	1.252−02	1.429−02	1.671−02	1.795−02	1.934−02
44	98	6.591−06	3.753−06	2.948−06	2.262−06	1.106−06	3.408−07	1.971−07	1.147−07
44	99	3.452−06	2.208−06	1.817−06	1.474−06	9.078−07	4.582−07	3.646−07	3.026−07
44	100	4.715−05	5.503−05	5.860−05	6.236−05	7.086−05	8.344−05	8.968−05	9.678−05
44	101	2.312−03	2.769−03	2.968−03	3.170−03	3.622−03	4.240−03	4.557−03	4.910−03
44	102	6.290−05	6.096−05	5.922−05	5.808−05	6.127−05	5.837−05	5.958−05	6.182−05
44	103	1.516−05	1.184−05	1.060−05	9.500−06	8.151−06	6.454−06	6.225−06	6.166−06
44	104	1.365−02	1.635−02	1.752−02	1.872−02	2.140−02	2.505−02	2.693−02	2.903−02
44	105	3.692−04	4.445−04	4.773−04	5.106−04	5.852−04	6.850−04	7.376−04	7.954−04
44	106	4.477−06	3.460−06	3.032−06	2.643−06	2.061−06	1.543−06	1.405−06	1.314−06
44	107	6.960−02	8.335−02	8.938−02	9.553−02	1.093−01	1.283−01	1.380−01	1.488−01
44	108	3.473−05	2.933−05	2.610−05	2.327−05	2.084−05	1.649−05	1.555−05	1.515−05
44	109	6.260−05	5.366−05	4.819−05	4.338−05	3.901−05	3.186−05	3.027−05	2.960−05
44	110	1.142−05	7.039−06	5.677−06	4.483−06	2.501−06	9.712−07	6.479−07	4.270−07
44	111	3.896−05	3.548−05	3.463−05	3.430−05	3.577−05	4.146−05	4.492−05	4.845−05
44	112	3.173−05	2.623−05	2.343−05	2.095−05	1.831−05	1.473−05	1.398−05	1.364−05
44	113	3.089−05	2.803−05	2.724−05	2.677−05	2.708−05	2.991−05	3.180−05	3.383−05
44	114	2.018−05	1.911−05	1.848−05	1.806−05	1.878−05	1.790−05	1.826−05	1.893−05
44	115	6.475−06	3.696−06	2.905−06	2.231−06	1.096−06	3.397−07	1.971−07	1.148−07

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
44	116	3.896−05	4.591−05	4.909−05	5.239−05	5.993−05	7.052−05	7.604−05	8.220−05
44	117	3.946−06	2.722−06	2.334−06	2.000−06	1.503−06	1.063−06	9.945−07	9.670−07
44	118	3.616−04	4.346−04	4.672−04	5.009−04	5.769−04	6.839−04	7.382−04	7.988−04
44	119	1.803−05	1.660−05	1.592−05	1.543−05	1.579−05	1.492−05	1.518−05	1.572−05
44	120	3.119−05	2.721−05	2.499−05	2.309−05	2.148−05	1.889−05	1.850−05	1.852−05
44	121	8.222−04	9.846−04	1.057−03	1.133−03	1.303−03	1.542−03	1.664−03	1.800−03
44	122	4.130−05	4.916−05	5.279−05	5.666−05	6.541−05	7.863−05	8.508−05	9.241−05
44	123	1.570−05	1.396−05	1.319−05	1.257−05	1.241−05	1.135−05	1.143−05	1.173−05
44	124	1.607−05	1.745−05	1.833−05	1.936−05	2.182−05	2.630−05	2.852−05	3.108−05
44	125	2.407−05	2.154−05	2.046−05	1.962−05	1.963−05	1.827−05	1.850−05	1.908−05
45	46	2.374−02	2.816−02	2.928−02	3.036−02	3.322−02	3.574−02	3.714−02	3.887−02
45	47	7.034−02	8.160−02	8.543−02	8.929−02	9.800−02	1.101−01	1.158−01	1.226−01
45	48	2.750−02	3.207−02	3.362−02	3.518−02	3.858−02	4.350−02	4.574−02	4.842−02
45	49	2.423−03	3.063−03	3.314−03	3.545−03	3.838−03	4.595−03	4.834−03	5.103−03
45	50	6.939−05	4.136−05	3.312−05	2.606−05	1.455−05	6.112−06	4.547−06	3.653−06
45	51	1.114−04	6.695−05	5.378−05	4.239−05	2.333−05	9.928−06	7.248−06	5.574−06
45	52	1.205−04	7.786−05	6.486−05	5.380−05	3.711−05	2.350−05	2.135−05	2.046−05
45	53	9.288−05	7.272−05	6.648−05	6.136−05	5.500−05	4.996−05	5.025−05	5.154−05
45	54	1.696−05	1.105−05	9.162−06	7.529−06	4.943−06	3.078−06	2.658−06	2.416−06
45	55	4.881−01	5.659−01	5.947−01	6.245−01	6.923−01	7.903−01	8.366−01	8.914−01
45	56	7.614−01	8.828−01	9.278−01	9.745−01	1.081+00	1.234+00	1.307+00	1.393+00
45	57	2.458−04	2.373−04	2.356−04	2.348−04	2.366−04	2.430−04	2.487−04	2.570−04
45	58	5.214−04	3.916−04	3.372−04	2.879−04	2.163−04	1.477−04	1.297−04	1.172−04
45	59	8.977−04	7.242−04	6.521−04	5.918−04	5.372−04	4.586−04	4.533−04	4.590−04
45	60	1.475+00	1.718+00	1.812+00	1.909+00	2.126+00	2.450+00	2.601+00	2.779+00
45	61	3.540−03	3.341−03	3.277−03	3.236−03	3.265−03	3.286−03	3.361−03	3.476−03
45	62	3.415−01	4.062−01	4.325−01	4.593−01	5.180−01	6.013−01	6.419−01	6.882−01
45	63	1.403−04	1.023−04	8.923−05	7.806−05	6.365−05	4.811−05	4.609−05	4.565−05
45	64	8.591−02	1.021−01	1.087−01	1.155−01	1.305−01	1.519−01	1.623−01	1.742−01
45	65	1.189−01	1.419−01	1.514−01	1.610−01	1.821−01	2.115−01	2.261−01	2.425−01
45	66	3.205−04	3.029−04	2.987−04	2.960−04	2.943−04	3.051−04	3.127−04	3.233−04
45	67	4.547−04	4.776−04	4.906−04	5.054−04	5.446−04	6.117−04	6.498−04	6.938−04
45	68	3.730−01	4.477−01	4.786−01	5.098−01	5.783−01	6.714−01	7.185−01	7.711−01
45	69	2.545−02	2.451−02	2.432−02	2.424−02	2.446−02	2.511−02	2.571−02	2.658−02
45	70	7.157−02	7.017−02	6.999−02	7.009−02	7.140−02	7.367−02	7.555−02	7.817−02
45	71	1.074−02	1.261−02	1.341−02	1.425−02	1.611−02	1.893−02	2.028−02	2.183−02
45	72	2.266−02	2.200−02	2.188−02	2.186−02	2.219−02	2.283−02	2.340−02	2.421−02
45	73	1.304−03	1.554−03	1.659−03	1.764−03	1.999−03	2.312−03	2.474−03	2.655−03
45	74	1.500−02	1.473−02	1.470−02	1.473−02	1.501−02	1.549−02	1.588−02	1.643−02
45	75	2.346−03	2.302−03	2.297−03	2.299−03	2.341−03	2.415−03	2.475−03	2.560−03
45	76	2.840−02	2.752−02	2.733−02	2.725−02	2.753−02	2.827−02	2.894−02	2.990−02
45	77	4.847−03	4.711−03	4.686−03	4.680−03	4.751−03	4.888−03	5.009−03	5.182−03
45	78	1.063−02	1.015−02	1.004−02	9.985−03	1.005−02	1.029−02	1.054−02	1.090−02
45	79	1.030−02	1.236−02	1.323−02	1.410−02	1.602−02	1.856−02	1.989−02	2.136−02
45	80	5.315−04	4.986−04	4.885−04	4.810−04	4.750−04	4.794−04	4.877−04	5.016−04
45	81	5.052−05	3.885−05	3.502−05	3.168−05	2.651−05	2.272−05	2.214−05	2.204−05
45	82	8.021−06	5.700−06	4.811−06	4.033−06	3.031−06	1.851−06	1.622−06	1.491−06
45	83	1.970−05	1.401−05	1.215−05	1.055−05	7.858−06	6.869−06	6.715−06	6.702−06
45	84	1.150−04	1.045−04	1.020−04	1.008−04	1.043−04	1.155−04	1.233−04	1.317−04
45	85	2.802−04	2.522−04	2.357−04	2.211−04	2.048−04	1.874−04	1.833−04	1.827−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
45	86	5.232−05	4.633−05	4.435−05	4.289−05	4.159−05	4.528−05	4.732−05	4.965−05
45	87	4.362−05	3.046−05	2.566−05	2.148−05	1.586−05	9.991−06	8.861−06	8.241−06
45	88	8.587−04	1.022−03	1.093−03	1.168−03	1.333−03	1.575−03	1.693−03	1.827−03
45	89	3.513−01	4.212−01	4.513−01	4.819−01	5.498−01	6.423−01	6.898−01	7.425−01
45	90	1.026−03	1.223−03	1.307−03	1.391−03	1.582−03	1.828−03	1.961−03	2.107−03
45	91	8.902−06	1.034−05	1.099−05	1.166−05	1.316−05	1.520−05	1.630−05	1.751−05
45	92	6.663−05	4.890−05	4.226−05	3.622−05	2.722−05	1.791−05	1.600−05	1.471−05
45	93	3.241−05	3.111−05	3.013−05	2.927−05	2.844−05	2.783−05	2.786−05	2.826−05
45	94	8.315−02	9.966−02	1.068−01	1.142−01	1.305−01	1.536−01	1.651−01	1.780−01
45	95	5.564−05	4.494−05	4.087−05	3.740−05	3.393−05	2.846−05	2.805−05	2.832−05
45	96	5.583−03	6.672−03	7.142−03	7.617−03	8.681−03	1.010−02	1.084−02	1.167−02
45	97	1.193−02	1.428−02	1.530−02	1.634−02	1.866−02	2.187−02	2.351−02	2.533−02
45	98	1.333−04	1.258−04	1.211−04	1.179−04	1.231−04	1.156−04	1.178−04	1.222−04
45	99	4.216−04	4.570−04	4.746−04	4.937−04	5.426−04	6.169−04	6.595−04	7.080−04
45	100	2.262−04	2.515−04	2.635−04	2.766−04	3.080−04	3.581−04	3.835−04	4.128−04
45	101	3.479−03	4.157−03	4.453−03	4.758−03	5.439−03	6.400−03	6.882−03	7.422−03
45	102	2.671−05	1.816−05	1.544−05	1.311−05	9.717−06	6.639−06	6.167−06	5.980−06
45	103	2.977−02	3.566−02	3.822−02	4.085−02	4.671−02	5.477−02	5.890−02	6.350−02
45	104	8.093−03	9.701−03	1.040−02	1.111−02	1.271−02	1.489−02	1.601−02	1.726−02
45	105	1.711−03	2.039−03	2.182−03	2.327−03	2.654−03	3.094−03	3.324−03	3.579−03
45	106	7.768−05	6.364−05	5.814−05	5.369−05	5.030−05	4.822−05	4.973−05	5.194−05
45	107	1.768−01	2.118−01	2.271−01	2.429−01	2.780−01	3.268−01	3.516−01	3.793−01
45	108	1.002−04	8.504−05	7.607−05	6.820−05	6.085−05	4.924−05	4.662−05	4.548−05
45	109	1.353−05	8.508−06	6.942−06	5.573−06	3.348−06	1.602−06	1.249−06	1.021−06
45	110	1.913−04	1.681−04	1.536−04	1.410−04	1.311−04	1.130−04	1.097−04	1.091−04
45	111	5.921−06	4.215−06	3.663−06	3.187−06	2.479−06	1.900−06	1.812−06	1.782−06
45	112	7.660−05	7.063−05	6.914−05	6.858−05	7.124−05	8.345−05	9.047−05	9.754−05
45	113	5.929−05	5.153−05	4.662−05	4.235−05	3.892−05	3.257−05	3.130−05	3.091−05
45	114	4.869−05	3.380−05	2.854−05	2.378−05	1.624−05	9.266−06	7.739−06	6.638−06
45	115	1.204−04	1.131−04	1.090−04	1.060−04	1.100−04	1.040−04	1.060−04	1.098−04
45	116	1.944−04	2.280−04	2.433−04	2.594−04	2.961−04	3.494−04	3.760−04	4.061−04
45	117	1.094−04	1.264−04	1.341−04	1.421−04	1.615−04	1.874−04	2.016−04	2.175−04
45	118	4.905−05	5.665−05	6.018−05	6.384−05	7.234−05	8.409−05	9.049−05	9.757−05
45	119	5.769−05	5.324−05	5.105−05	4.945−05	5.073−05	4.774−05	4.857−05	5.027−05
45	120	8.136−05	7.248−05	6.786−05	6.403−05	6.146−05	5.953−05	6.046−05	6.224−05
45	121	5.897−05	7.061−05	7.570−05	8.063−05	9.208−05	1.052−04	1.134−04	1.220−04
45	122	6.595−05	7.777−05	8.313−05	8.846−05	1.008−04	1.164−04	1.255−04	1.352−04
45	123	2.457−04	2.894−04	3.095−04	3.311−04	3.800−04	4.545−04	4.903−04	5.312−04
45	124	3.354−05	3.184−05	3.098−05	3.043−05	3.166−05	3.113−05	3.199−05	3.337−05
45	125	3.394−05	2.956−05	2.791−05	2.658−05	2.607−05	2.423−05	2.451−05	2.523−05
46	47	1.547−02	1.323−02	1.237−02	1.163−02	1.067−02	9.815−03	9.748−03	9.845−03
46	48	2.001−03	1.793−03	1.715−03	1.654−03	1.610−03	1.554−03	1.573−03	1.615−03
46	49	1.217−02	1.090−02	1.040−02	1.001−02	9.758−03	9.361−03	9.468−03	9.719−03
46	50	7.193−03	6.156−03	5.741−03	5.423−03	5.386−03	4.819−03	4.874−03	5.039−03
46	51	6.979−03	6.801−03	6.731−03	6.722−03	7.060−03	7.342−03	7.646−03	8.060−03
46	52	4.672−03	3.847−03	3.545−03	3.309−03	3.197−03	2.814−03	2.836−03	2.926−03
46	53	1.620−01	1.867−01	1.959−01	2.053−01	2.271−01	2.584−01	2.733−01	2.910−01
46	54	1.788−01	2.067−01	2.169−01	2.276−01	2.520−01	2.870−01	3.036−01	3.234−01
46	55	1.565−04	1.436−04	1.389−04	1.351−04	1.311−04	1.292−04	1.307−04	1.339−04
46	56	8.518−04	7.959−04	7.809−04	7.703−04	7.660−04	7.743−04	7.914−04	8.170−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
46	57	6.719−04	7.818−04	8.224−04	8.642−04	9.563−04	1.094−03	1.158−03	1.233−03
46	58	1.084+00	1.257+00	1.321+00	1.387+00	1.540+00	1.760+00	1.865+00	1.988+00
46	59	4.913−01	5.697−01	5.993−01	6.302−01	7.003−01	8.031−01	8.515−01	9.087−01
46	60	3.817−03	2.919−03	2.613−03	2.342−03	1.916−03	1.568−03	1.510−03	1.485−03
46	61	7.759−03	6.979−03	6.613−03	6.340−03	6.482−03	5.937−03	6.029−03	6.244−03
46	62	1.826−03	1.370−03	1.181−03	1.012−03	7.904−04	5.371−04	4.824−04	4.491−04
46	63	7.553−02	8.967−02	9.547−02	1.014−01	1.143−01	1.327−01	1.417−01	1.519−01
46	64	4.089−04	2.939−04	2.552−04	2.215−04	1.719−04	1.281−04	1.206−04	1.173−04
46	65	2.169−04	1.824−04	1.696−04	1.584−04	1.433−04	1.350−04	1.355−04	1.379−04
46	66	1.731−04	1.636−04	1.607−04	1.584−04	1.587−04	1.645−04	1.717−04	1.805−04
46	67	3.013−05	2.027−05	1.704−05	1.417−05	9.425−06	5.697−06	4.906−06	4.362−06
46	68	2.642−04	2.107−04	1.931−04	1.778−04	1.543−04	1.367−04	1.349−04	1.354−04
46	69	4.259−04	4.687−04	4.867−04	5.070−04	5.626−04	6.362−04	6.765−04	7.243−04
46	70	1.606−04	1.338−04	1.240−04	1.162−04	1.124−04	1.002−04	1.010−04	1.041−04
46	71	3.371−04	3.100−04	2.959−04	2.840−04	2.751−04	2.663−04	2.688−04	2.749−04
46	72	1.897−02	2.258−02	2.410−02	2.567−02	2.912−02	3.413−02	3.655−02	3.932−02
46	73	2.026−06	1.594−06	1.408−06	1.247−06	1.090−06	8.351−07	7.983−07	7.894−07
46	74	3.335−04	3.905−04	4.153−04	4.413−04	4.990−04	5.844−04	6.262−04	6.741−04
46	75	1.574−03	1.881−03	2.011−03	2.145−03	2.441−03	2.868−03	3.076−03	3.312−03
46	76	1.742−03	1.966−03	2.057−03	2.157−03	2.415−03	2.752−03	2.932−03	3.143−03
46	77	2.338−03	2.786−03	2.977−03	3.174−03	3.609−03	4.240−03	4.546−03	4.895−03
46	78	8.439−03	1.006−02	1.075−02	1.146−02	1.302−02	1.527−02	1.636−02	1.761−02
46	79	8.353−06	6.935−06	6.467−06	6.066−06	5.493−06	5.081−06	5.067−06	5.135−06
46	80	9.480−03	1.137−02	1.217−02	1.298−02	1.477−02	1.722−02	1.847−02	1.986−02
46	81	2.664−03	3.178−03	3.399−03	3.631−03	4.142−03	4.905−03	5.270−03	5.688−03
46	82	8.499−02	1.019−01	1.091−01	1.163−01	1.324−01	1.539−01	1.651−01	1.774−01
46	83	6.725−02	8.050−02	8.612−02	9.174−02	1.043−01	1.207−01	1.294−01	1.390−01
46	84	3.927−02	4.705−02	5.037−02	5.371−02	6.114−02	7.112−02	7.628−02	8.201−02
46	85	9.570−06	5.472−06	4.337−06	3.378−06	1.753−06	7.398−07	5.615−07	4.718−07
46	86	7.211−03	8.432−03	8.962−03	9.501−03	1.073−02	1.240−02	1.329−02	1.428−02
46	87	1.497−02	1.785−02	1.907−02	2.030−02	2.304−02	2.657−02	2.848−02	3.057−02
46	88	2.088−04	2.036−04	2.022−04	2.017−04	2.041−04	2.096−04	2.146−04	2.217−04
46	89	1.437−04	1.146−04	1.026−04	9.181−05	7.687−05	6.110−05	5.794−05	5.629−05
46	90	3.091−05	2.399−05	2.187−05	2.010−05	1.759−05	1.578−05	1.567−05	1.591−05
46	91	1.705−04	1.678−04	1.674−04	1.678−04	1.714−04	1.767−04	1.812−04	1.876−04
46	92	2.167−04	2.103−04	2.089−04	2.084−04	2.111−04	2.168−04	2.219−04	2.294−04
46	93	2.117−02	2.538−02	2.721−02	2.909−02	3.326−02	3.914−02	4.208−02	4.538−02
46	94	2.040−04	1.703−04	1.525−04	1.373−04	1.260−04	1.090−04	1.084−04	1.102−04
46	95	7.094−05	6.773−05	6.666−05	6.592−05	6.588−05	6.671−05	6.795−05	6.996−05
46	96	4.894−04	4.847−04	4.842−04	4.856−04	4.986−04	5.139−04	5.273−04	5.461−04
46	97	1.077−04	9.971−05	9.741−05	9.572−05	9.484−05	9.564−05	9.785−05	1.011−04
46	98	1.221−05	6.911−06	5.421−06	4.155−06	2.019−06	6.170−07	3.596−07	2.168−07
46	99	5.248−05	4.735−05	4.576−05	4.452−05	4.350−05	4.299−05	4.374−05	4.505−05
46	100	1.135−05	9.274−06	8.634−06	8.101−06	7.350−06	6.899−06	6.910−06	7.041−06
46	101	2.637−06	1.572−06	1.253−06	9.772−07	5.205−07	1.879−07	1.203−07	7.731−08
46	102	3.368−04	3.374−04	3.383−04	3.403−04	3.499−04	3.622−04	3.717−04	3.847−04
46	103	5.964−05	5.712−05	5.641−05	5.600−05	5.656−05	5.755−05	5.888−05	6.085−05
46	104	3.024−05	2.748−05	2.629−05	2.531−05	2.452−05	2.351−05	2.363−05	2.411−05
46	105	2.165−04	2.136−04	2.132−04	2.135−04	2.185−04	2.254−04	2.313−04	2.395−04
46	106	1.988−03	2.366−03	2.533−03	2.708−03	3.100−03	3.671−03	3.953−03	4.272−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
46	107	4.910−05	4.377−05	4.192−05	4.035−05	3.845−05	3.713−05	3.741−05	3.820−05
46	108	9.986−04	1.173−03	1.253−03	1.339−03	1.534−03	1.846−03	1.992−03	2.162−03
46	109	5.414−02	6.397−02	6.829−02	7.268−02	8.263−02	9.602−02	1.031−01	1.110−01
46	110	2.524−04	1.725−04	1.435−04	1.170−04	7.326−05	3.360−05	2.401−05	1.641−05
46	111	3.320−02	3.928−02	4.198−02	4.478−02	5.111−02	6.010−02	6.467−02	6.980−02
46	112	3.094−02	3.685−02	3.946−02	4.212−02	4.812−02	5.623−02	6.048−02	6.518−02
46	113	2.517−04	2.675−04	2.763−04	2.866−04	3.140−04	3.611−04	3.865−04	4.163−04
46	114	3.324−04	3.300−04	3.295−04	3.303−04	3.388−04	3.487−04	3.576−04	3.701−04
46	115	1.338−05	7.784−06	6.156−06	4.759−06	2.424−06	8.012−07	4.875−07	2.973−07
46	116	2.823−05	2.620−05	2.553−05	2.500−05	2.453−05	2.456−05	2.495−05	2.564−05
46	117	1.452−05	1.080−05	9.674−06	8.718−06	7.216−06	6.249−06	6.132−06	6.159−06
46	118	1.516−05	1.379−05	1.325−05	1.280−05	1.233−05	1.198−05	1.206−05	1.230−05
46	119	4.167−04	4.221−04	4.244−04	4.279−04	4.420−04	4.587−04	4.708−04	4.874−04
46	120	5.298−04	3.778−04	3.227−04	2.725−04	1.920−04	1.225−04	1.078−04	9.782−05
46	121	1.624−05	1.569−05	1.552−05	1.541−05	1.547−05	1.573−05	1.605−05	1.653−05
46	122	1.278−04	1.274−04	1.275−04	1.279−04	1.309−04	1.351−04	1.386−04	1.434−04
46	123	4.472−04	4.536−04	4.561−04	4.600−04	4.767−04	4.943−04	5.077−04	5.259−04
46	124	1.799−05	1.794−05	1.793−05	1.798−05	1.841−05	1.897−05	1.944−05	2.010−05
46	125	1.900−05	1.787−05	1.746−05	1.714−05	1.694−05	1.689−05	1.716−05	1.762−05
47	48	7.911−03	7.526−03	7.422−03	7.362−03	7.432−03	7.560−03	7.744−03	8.014−03
47	49	3.325−02	3.157−02	3.113−02	3.087−02	3.110−02	3.164−02	3.241−02	3.353−02
47	50	8.108−03	6.525−03	5.969−03	5.530−03	5.250−03	4.568−03	4.592−03	4.732−03
47	51	1.108−01	1.254−01	1.304−01	1.358−01	1.490−01	1.667−01	1.756−01	1.863−01
47	52	3.245−01	3.720−01	3.886−01	4.059−01	4.469−01	5.031−01	5.305−01	5.633−01
47	53	1.054−01	1.207−01	1.260−01	1.317−01	1.450−01	1.633−01	1.723−01	1.830−01
47	54	7.368−04	4.966−04	4.260−04	3.677−04	2.879−04	2.170−04	2.109−04	2.134−04
47	55	9.840−04	9.318−04	9.186−04	9.102−04	9.123−04	9.274−04	9.491−04	9.807−04
47	56	4.599−04	3.942−04	3.705−04	3.500−04	3.219−04	3.003−04	2.993−04	3.030−04
47	57	1.066−05	8.955−06	8.240−06	7.648−06	7.252−06	6.197−06	6.161−06	6.271−06
47	58	5.712−01	6.595−01	6.916−01	7.249−01	8.017−01	9.110−01	9.631−01	1.025+00
47	59	9.011−02	1.028−01	1.074−01	1.123−01	1.240−01	1.401−01	1.481−01	1.576−01
47	60	6.318−03	4.585−03	3.962−03	3.414−03	2.639−03	1.877−03	1.734−03	1.659−03
47	61	1.793+00	2.078+00	2.185+00	2.296+00	2.548+00	2.916+00	3.089+00	3.295+00
47	62	3.289−03	2.479−03	2.193−03	1.935−03	1.526−03	1.175−03	1.106−03	1.065−03
47	63	4.457−03	4.209−03	4.043−03	3.930−03	4.132−03	3.842−03	3.915−03	4.064−03
47	64	2.834−03	2.437−03	2.286−03	2.163−03	2.055−03	1.915−03	1.924−03	1.967−03
47	65	6.282−04	5.482−04	5.221−04	4.996−04	4.682−04	4.486−04	4.514−04	4.601−04
47	66	4.048−04	4.336−04	4.462−04	4.594−04	4.947−04	5.452−04	5.769−04	6.130−04
47	67	1.057−03	1.011−03	1.000−03	9.940−04	9.980−04	1.020−03	1.045−03	1.079−03
47	68	6.059−04	5.738−04	5.661−04	5.614−04	5.610−04	5.989−04	6.222−04	6.493−04
47	69	4.905−03	5.772−03	6.135−03	6.509−03	7.346−03	8.539−03	9.127−03	9.800−03
47	70	5.775−03	6.768−03	7.188−03	7.626−03	8.601−03	1.004−02	1.073−02	1.153−02
47	71	6.297−04	5.534−04	5.273−04	5.049−04	4.757−04	4.553−04	4.579−04	4.667−04
47	72	7.887−03	9.183−03	9.708−03	1.026−02	1.155−02	1.328−02	1.417−02	1.519−02
47	73	1.483−06	1.003−06	8.403−07	6.968−07	4.781−07	2.811−07	2.406−07	2.149−07
47	74	2.254−04	2.153−04	2.076−04	2.023−04	2.133−04	1.996−04	2.035−04	2.111−04
47	75	1.564−05	1.293−05	1.196−05	1.120−05	1.083−05	9.643−06	9.733−06	1.005−05
47	76	1.908−02	2.248−02	2.390−02	2.538−02	2.870−02	3.350−02	3.584−02	3.852−02
47	77	9.263−04	1.094−03	1.165−03	1.237−03	1.399−03	1.624−03	1.739−03	1.868−03
47	78	1.647−03	1.935−03	2.058−03	2.186−03	2.473−03	2.894−03	3.099−03	3.334−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
47	79	1.437−05	1.254−05	1.195−05	1.148−05	1.097−05	1.089−05	1.113−05	1.151−05
47	80	8.156−03	9.750−03	1.043−02	1.112−02	1.266−02	1.487−02	1.595−02	1.717−02
47	81	4.709−02	5.641−02	6.034−02	6.432−02	7.311−02	8.507−02	9.116−02	9.797−02
47	82	1.507−05	1.208−05	1.100−05	1.010−05	9.274−06	7.920−06	7.872−06	8.014−06
47	83	2.906−02	3.484−02	3.728−02	3.974−02	4.518−02	5.246−02	5.622−02	6.040−02
47	84	1.472−03	1.733−03	1.847−03	1.966−03	2.232−03	2.633−03	2.826−03	3.048−03
47	85	2.469−02	2.944−02	3.143−02	3.338−02	3.775−02	4.304−02	4.603−02	4.926−02
47	86	1.499−01	1.798−01	1.926−01	2.055−01	2.342−01	2.732−01	2.932−01	3.154−01
47	87	8.822−02	1.052−01	1.125−01	1.198−01	1.360−01	1.575−01	1.688−01	1.813−01
47	88	3.377−05	3.057−05	2.949−05	2.868−05	2.825−05	2.779−05	2.826−05	2.913−05
47	89	3.794−04	2.985−04	2.619−04	2.294−04	1.906−04	1.425−04	1.325−04	1.272−04
47	90	1.338−04	1.253−04	1.230−04	1.215−04	1.215−04	1.229−04	1.257−04	1.298−04
47	91	1.288−05	1.197−05	1.175−05	1.161−05	1.154−05	1.172−05	1.198−05	1.238−05
47	92	8.383−05	7.933−05	7.823−05	7.755−05	7.780−05	7.926−05	8.112−05	8.386−05
47	93	1.894−05	1.316−05	1.112−05	9.254−06	6.246−06	3.523−06	2.909−06	2.452−06
47	94	4.477−04	3.887−04	3.595−04	3.340−04	3.085−04	2.718−04	2.664−04	2.668−04
47	95	6.354−04	6.229−04	6.205−04	6.204−04	6.307−04	6.489−04	6.645−04	6.868−04
47	96	2.680−05	2.006−05	1.780−05	1.591−05	1.363−05	1.112−05	1.091−05	1.103−05
47	97	5.075−05	4.091−05	3.628−05	3.248−05	3.060−05	2.393−05	2.336−05	2.366−05
47	98	1.567−03	1.557−03	1.558−03	1.565−03	1.604−03	1.659−03	1.702−03	1.761−03
47	99	5.824−04	5.734−04	5.718−04	5.726−04	5.872−04	6.040−04	6.197−04	6.418−04
47	100	2.744−04	2.714−04	2.711−04	2.717−04	2.772−04	2.861−04	2.931−04	3.030−04
47	101	1.501−04	1.486−04	1.479−04	1.478−04	1.499−04	1.537−04	1.569−04	1.618−04
47	102	4.551−04	4.343−04	4.284−04	4.250−04	4.304−04	4.366−04	4.471−04	4.626−04
47	103	1.715−04	1.519−04	1.464−04	1.421−04	1.387−04	1.386−04	1.426−04	1.481−04
47	104	3.476−05	2.741−05	2.389−05	2.088−05	1.835−05	1.339−05	1.258−05	1.231−05
47	105	3.617−05	2.895−05	2.664−05	2.476−05	2.269−05	2.049−05	2.053−05	2.102−05
47	106	1.637−04	1.703−04	1.738−04	1.773−04	1.890−04	2.041−04	2.165−04	2.297−04
47	107	1.371−04	1.127−04	9.950−05	8.788−05	7.655−05	5.801−05	5.409−05	5.215−05
47	108	7.962−03	9.460−03	1.010−02	1.074−02	1.218−02	1.398−02	1.499−02	1.608−02
47	109	1.935−01	2.315−01	2.482−01	2.653−01	3.035−01	3.568−01	3.838−01	4.140−01
47	110	2.633−02	3.046−02	3.233−02	3.430−02	3.884−02	4.557−02	4.898−02	5.285−02
47	111	2.952−04	2.032−04	1.695−04	1.385−04	8.753−05	4.078−05	2.942−05	2.039−05
47	112	5.647−02	6.715−02	7.189−02	7.677−02	8.779−02	1.032−01	1.110−01	1.198−01
47	113	5.743−05	3.988−05	3.342−05	2.749−05	1.787−05	8.916−06	6.780−06	5.109−06
47	114	4.202−05	3.510−05	3.163−05	2.866−05	2.630−05	2.147−05	2.076−05	2.069−05
47	115	1.419−04	1.393−04	1.383−04	1.378−04	1.392−04	1.422−04	1.452−04	1.496−04
47	116	5.377−05	5.357−05	5.359−05	5.379−05	5.507−05	5.682−05	5.824−05	6.022−05
47	117	1.121−04	1.121−04	1.121−04	1.126−04	1.153−04	1.190−04	1.220−04	1.261−04
47	118	1.429−05	1.349−05	1.328−05	1.314−05	1.309−05	1.329−05	1.357−05	1.400−05
47	119	2.375−04	2.366−04	2.363−04	2.369−04	2.447−04	2.512−04	2.579−04	2.671−04
47	120	1.381−03	1.040−03	9.185−04	8.083−04	6.377−04	4.996−04	4.796−04	4.722−04
47	121	4.703−05	4.587−05	4.537−05	4.514−05	4.643−05	4.701−05	4.818−05	4.991−05
47	122	3.426−05	3.259−05	3.200−05	3.164−05	3.212−05	3.227−05	3.301−05	3.416−05
47	123	8.261−05	7.406−05	7.146−05	6.948−05	6.851−05	6.804−05	6.999−05	7.275−05
47	124	3.487−06	2.757−06	2.478−06	2.239−06	1.982−06	1.617−06	1.576−06	1.579−06
47	125	1.220−05	9.607−06	8.684−06	7.866−06	6.685−06	5.616−06	5.456−06	5.413−06
48	49	1.420−03	1.222−03	1.141−03	1.079−03	1.072−03	1.033−03	1.065−03	1.114−03
48	50	2.196−04	1.241−04	9.731−05	7.452−05	3.588−05	1.086−05	6.217−06	3.610−06
48	51	1.598−04	1.167−04	1.033−04	9.239−05	8.024−05	6.575−05	6.526−05	6.680−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
48	52	1.480−04	9.742−05	8.277−05	7.064−05	5.342−05	3.901−05	3.760−05	3.790−05
48	53	3.559−03	4.037−03	4.204−03	4.379−03	4.796−03	5.377−03	5.662−03	6.004−03
48	54	2.605−04	2.509−04	2.500−04	2.508−04	2.582−04	2.793−04	2.923−04	3.090−04
48	55	1.332−04	9.453−05	8.063−05	6.845−05	5.203−05	3.516−05	3.264−05	3.138−05
48	56	9.098−05	7.378−05	6.796−05	6.286−05	5.519−05	4.934−05	4.866−05	4.887−05
48	57	7.329−01	8.476−01	8.887−01	9.312−01	1.029+00	1.167+00	1.233+00	1.311+00
48	58	3.478−04	2.942−04	2.736−04	2.577−04	2.539−04	2.264−04	2.289−04	2.365−04
48	59	6.921−02	8.002−02	8.393−02	8.798−02	9.730−02	1.105−01	1.168−01	1.243−01
48	60	3.954−04	3.005−04	2.624−04	2.289−04	1.866−04	1.372−04	1.280−04	1.234−04
48	61	1.661−03	1.585−03	1.526−03	1.487−03	1.573−03	1.463−03	1.492−03	1.549−03
48	62	1.582−03	1.330−03	1.230−03	1.145−03	1.061−03	9.466−04	9.402−04	9.528−04
48	63	5.675−02	6.576−02	6.912−02	7.261−02	8.057−02	9.212−02	9.757−02	1.040−01
48	64	1.243−04	8.569−05	7.301−05	6.202−05	4.635−05	3.387−05	3.286−05	3.277−05
48	65	5.240−03	3.691−03	3.116−03	2.597−03	1.814−03	1.047−03	8.753−04	7.538−04
48	66	1.210+00	1.444+00	1.538+00	1.634+00	1.844+00	2.136+00	2.279+00	2.442+00
48	67	2.290−03	1.565−03	1.304−03	1.065−03	6.723−04	3.194−04	2.349−04	1.687−04
48	68	1.143−02	9.327−03	8.236−03	7.286−03	6.431−03	4.908−03	4.621−03	4.505−03
48	69	8.292−06	5.344−06	4.482−06	3.758−06	2.668−06	1.817−06	1.706−06	1.683−06
48	70	2.767−05	2.363−05	2.201−05	2.075−05	2.061−05	1.836−05	1.856−05	1.919−05
48	71	6.081−03	4.891−03	4.324−03	3.831−03	3.353−03	2.584−03	2.448−03	2.397−03
48	72	6.132−03	7.299−03	7.782−03	8.277−03	9.363−03	1.092−02	1.168−02	1.254−02
48	73	3.102−02	3.012−02	2.996−02	2.992−02	3.033−02	3.122−02	3.199−02	3.308−02
48	74	1.166−02	1.391−02	1.485−02	1.581−02	1.791−02	2.092−02	2.239−02	2.405−02
48	75	1.506−05	1.540−05	1.568−05	1.594−05	1.684−05	1.770−05	1.870−05	1.972−05
48	76	5.379−05	4.967−05	4.743−05	4.581−05	4.753−05	4.396−05	4.472−05	4.637−05
48	77	3.106−02	3.715−02	3.969−02	4.230−02	4.802−02	5.612−02	6.010−02	6.460−02
48	78	6.660−04	7.813−04	8.304−04	8.817−04	9.955−04	1.167−03	1.249−03	1.343−03
48	79	4.670−02	4.543−02	4.522−02	4.519−02	4.591−02	4.727−02	4.846−02	5.014−02
48	80	6.204−06	4.287−06	3.616−06	3.011−06	2.053−06	1.169−06	9.775−07	8.406−07
48	81	6.736−05	4.586−05	3.813−05	3.104−05	1.937−05	8.855−06	6.320−06	4.319−06
48	82	1.347−02	1.617−02	1.731−02	1.847−02	2.102−02	2.454−02	2.630−02	2.828−02
48	83	2.669−02	3.198−02	3.423−02	3.653−02	4.161−02	4.883−02	5.238−02	5.639−02
48	84	6.194−03	7.339−03	7.834−03	8.354−03	9.508−03	1.126−02	1.209−02	1.305−02
48	85	2.621−06	2.057−06	1.878−06	1.735−06	1.612−06	1.416−06	1.423−06	1.466−06
48	86	3.171−02	3.808−02	4.079−02	4.355−02	4.966−02	5.809−02	6.233−02	6.708−02
48	87	2.466−05	1.695−05	1.414−05	1.155−05	7.286−06	3.386−06	2.436−06	1.680−06
48	88	3.266−05	2.826−05	2.702−05	2.602−05	2.475−05	2.425−05	2.461−05	2.529−05
48	89	2.526−04	1.709−04	1.423−04	1.168−04	7.743−05	4.215−05	3.425−05	2.877−05
48	90	2.408−04	2.277−04	2.245−04	2.226−04	2.235−04	2.278−04	2.331−04	2.411−04
48	91	2.520−06	1.734−06	1.470−06	1.240−06	9.068−07	5.941−07	5.490−07	5.270−07
48	92	4.613−06	2.805−06	2.263−06	1.804−06	1.107−06	5.435−07	4.501−07	4.065−07
48	93	6.993−04	7.533−04	7.772−04	7.988−04	8.590−04	9.149−04	9.673−04	1.021−03
48	94	1.132−04	8.462−05	7.306−05	6.301−05	5.107−05	3.622−05	3.347−05	3.215−05
48	95	2.918−06	1.687−06	1.343−06	1.054−06	5.846−07	2.629−07	2.112−07	1.894−07
48	96	5.506−04	5.411−04	5.389−04	5.392−04	5.532−04	5.678−04	5.826−04	6.035−04
48	97	3.069−05	2.574−05	2.409−05	2.267−05	2.065−05	1.918−05	1.914−05	1.941−05
48	98	9.824−06	7.656−06	6.744−06	6.028−06	5.844−06	4.473−06	4.419−06	4.557−06
48	99	3.478−04	3.377−04	3.352−04	3.344−04	3.404−04	3.485−04	3.573−04	3.697−04
48	100	2.027−05	1.779−05	1.697−05	1.630−05	1.560−05	1.501−05	1.518−05	1.557−05
48	101	4.104−05	3.742−05	3.645−05	3.586−05	3.652−05	3.794−05	3.983−05	4.204−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
48	102	2.903−06	1.686−06	1.345−06	1.060−06	6.015−07	2.819−07	2.322−07	2.129−07
48	103	6.234−04	5.987−04	5.927−04	5.895−04	5.936−04	6.070−04	6.210−04	6.414−04
48	104	1.071−05	6.886−06	5.619−06	4.500−06	2.736−06	1.269−06	9.627−07	7.504−07
48	105	2.082−04	2.052−04	2.046−04	2.048−04	2.082−04	2.145−04	2.196−04	2.269−04
48	106	3.675−04	4.367−04	4.666−04	4.964−04	5.636−04	6.501−04	6.971−04	7.485−04
48	107	7.109−05	4.524−05	3.664−05	2.905−05	1.713−05	7.211−06	5.100−06	3.629−06
48	108	1.733−06	1.197−06	1.007−06	8.359−07	5.616−07	3.107−07	2.549−07	2.140−07
48	109	4.214−05	2.916−05	2.437−05	1.994−05	1.266−05	5.933−06	4.287−06	2.971−06
48	110	1.865−07	1.370−07	1.221−07	1.101−07	9.701−08	8.177−08	8.169−08	8.406−08
48	111	6.154−03	7.356−03	7.883−03	8.426−03	9.640−03	1.135−02	1.221−02	1.317−02
48	112	6.206−03	7.309−03	7.799−03	8.303−03	9.449−03	1.104−02	1.186−02	1.279−02
48	113	7.138−04	8.493−04	9.079−04	9.659−04	1.097−03	1.259−03	1.351−03	1.449−03
48	114	1.402−07	8.044−08	6.334−08	4.885−08	2.496−08	8.903−09	5.891−09	4.242−09
48	115	1.846−09	1.257−09	1.064−09	9.056−10	7.370−10	5.102−10	4.884−10	4.937−10
48	116	1.021−06	8.609−07	7.902−07	7.303−07	6.748−07	5.956−07	5.879−07	5.932−07
48	117	2.618−06	2.469−06	2.429−06	2.402−06	2.404−06	2.438−06	2.492−06	2.574−06
48	118	4.513−07	3.332−07	2.938−07	2.594−07	2.099−07	1.690−07	1.643−07	1.636−07
48	119	3.326−07	2.006−07	1.615−07	1.282−07	7.601−08	3.591−08	2.892−08	2.538−08
48	120	1.680−04	1.879−04	1.967−04	2.049−04	2.253−04	2.458−04	2.614−04	2.773−04
48	121	1.059−06	6.959−07	5.739−07	4.661−07	2.992−07	1.607−07	1.351−07	1.183−07
48	122	1.809−06	1.319−06	1.121−06	9.476−07	7.230−07	4.773−07	4.224−07	3.901−07
48	123	1.729−05	1.661−05	1.629−05	1.606−05	1.622−05	1.622−05	1.654−05	1.705−05
48	124	6.818−05	6.832−05	6.844−05	6.880−05	7.096−05	7.332−05	7.525−05	7.794−05
48	125	3.444−05	3.457−05	3.465−05	3.483−05	3.577−05	3.700−05	3.793−05	3.924−05
49	50	9.827−04	5.555−04	4.356−04	3.336−04	1.607−04	4.869−05	2.788−05	1.619−05
49	51	7.606−04	5.579−04	4.945−04	4.429−04	3.863−04	3.174−04	3.151−04	3.226−04
49	52	7.244−04	4.950−04	4.270−04	3.711−04	2.969−04	2.279−04	2.225−04	2.259−04
49	53	2.758−02	3.154−02	3.295−02	3.441−02	3.783−02	4.263−02	4.496−02	4.773−02
49	54	1.137−03	1.087−03	1.082−03	1.085−03	1.114−03	1.209−03	1.266−03	1.339−03
49	55	1.946−04	1.261−04	1.045−04	8.567−05	5.669−05	3.366−05	2.988−05	2.782−05
49	56	1.310−03	1.244−03	1.224−03	1.209−03	1.201−03	1.217−03	1.240−03	1.277−03
49	57	1.167−01	1.351−01	1.417−01	1.486−01	1.644−01	1.869−01	1.976−01	2.103−01
49	58	1.680−03	1.451−03	1.358−03	1.288−03	1.287−03	1.158−03	1.172−03	1.213−03
49	59	4.127−01	4.778−01	5.017−01	5.265−01	5.831−01	6.643−01	7.029−01	7.485−01
49	60	2.930−03	2.147−03	1.830−03	1.554−03	1.213−03	7.982−04	7.153−04	6.697−04
49	61	7.554−03	7.230−03	6.966−03	6.791−03	7.189−03	6.699−03	6.831−03	7.093−03
49	62	1.826−03	1.597−03	1.519−03	1.453−03	1.368−03	1.311−03	1.319−03	1.345−03
49	63	3.907−01	4.534−01	4.769−01	5.015−01	5.572−01	6.386−01	6.769−01	7.222−01
49	64	4.887−04	3.376−04	2.830−04	2.331−04	1.531−04	8.001−05	6.365−05	5.111−05
49	65	9.769−04	6.688−04	5.586−04	4.591−04	3.022−04	1.577−04	1.247−04	1.004−04
49	66	2.211−01	2.637−01	2.810−01	2.986−01	3.371−01	3.914−01	4.179−01	4.480−01
49	67	2.636−04	1.903−04	1.640−04	1.399−04	9.977−05	7.100−05	6.545−05	6.143−05
49	68	1.991−03	1.628−03	1.436−03	1.267−03	1.100−03	8.300−04	7.726−04	7.443−04
49	69	4.880−04	4.510−04	4.308−04	4.162−04	4.317−04	3.995−04	4.065−04	4.214−04
49	70	1.319−04	7.483−05	5.875−05	4.509−05	2.195−05	6.855−06	4.060−06	2.489−06
49	71	1.228−03	9.648−04	8.391−04	7.288−04	6.128−04	4.375−04	4.022−04	3.840−04
49	72	2.333−04	2.426−04	2.500−04	2.588−04	2.807−04	3.195−04	3.405−04	3.649−04
49	73	6.140−03	5.968−03	5.937−03	5.932−03	6.016−03	6.193−03	6.347−03	6.564−03
49	74	2.761−03	3.271−03	3.485−03	3.706−03	4.192−03	4.893−03	5.235−03	5.624−03
49	75	2.479−03	2.956−03	3.155−03	3.361−03	3.812−03	4.464−03	4.780−03	5.140−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
49	76	2.333−04	1.877−04	1.719−04	1.594−04	1.508−04	1.321−04	1.328−04	1.368−04
49	77	2.997−03	3.557−03	3.794−03	4.039−03	4.580−03	5.382−03	5.766−03	6.205−03
49	78	2.006−02	2.389−02	2.550−02	2.716−02	3.081−02	3.609−02	3.864−02	4.155−02
49	79	9.456−03	9.222−03	9.184−03	9.184−03	9.336−03	9.618−03	9.859−03	1.020−02
49	80	2.429−05	2.176−05	2.063−05	1.978−05	2.015−05	1.853−05	1.882−05	1.950−05
49	81	1.603−05	9.764−06	7.870−06	6.207−06	3.324−06	1.335−06	8.927−07	5.752−07
49	82	1.989−03	2.254−03	2.367−03	2.474−03	2.732−03	3.021−03	3.213−03	3.416−03
49	83	1.198−02	1.428−02	1.524−02	1.617−02	1.826−02	2.074−02	2.217−02	2.370−02
49	84	8.298−03	9.920−03	1.061−02	1.132−02	1.289−02	1.510−02	1.619−02	1.743−02
49	85	1.192−05	1.035−05	9.740−06	9.276−06	9.262−06	8.482−06	8.603−06	8.902−06
49	86	3.299−02	3.960−02	4.242−02	4.527−02	5.160−02	6.023−02	6.463−02	6.953−02
49	87	3.847−05	2.711−05	2.296−05	1.919−05	1.324−05	7.548−06	6.273−06	5.332−06
49	88	1.273−04	1.190−04	1.168−04	1.151−04	1.140−04	1.153−04	1.176−04	1.212−04
49	89	1.038−04	9.783−05	9.549−05	9.377−05	9.386−05	9.359−05	9.537−05	9.833−05
49	90	1.117−04	1.022−04	9.970−05	9.784−05	9.618−05	9.684−05	9.876−05	1.018−04
49	91	1.046−05	6.001−06	4.727−06	3.645−06	1.846−06	6.287−07	4.045−07	2.799−07
49	92	2.723−05	1.554−05	1.221−05	9.369−06	4.619−06	1.413−06	8.241−07	4.905−07
49	93	3.654−02	4.374−02	4.683−02	4.994−02	5.687−02	6.612−02	7.095−02	7.629−02
49	94	1.636−04	1.208−04	1.056−04	9.202−05	7.162−05	5.352−05	4.989−05	4.787−05
49	95	1.055−06	6.230−07	4.970−07	3.890−07	2.112−07	8.211−08	5.841−08	4.496−08
49	96	8.601−04	8.519−04	8.513−04	8.541−04	8.769−04	9.047−04	9.285−04	9.617−04
49	97	3.249−04	3.169−04	3.152−04	3.149−04	3.209−04	3.294−04	3.377−04	3.495−04
49	98	5.604−08	3.488−08	2.856−08	2.331−08	1.601−08	9.417−09	8.556−09	8.383−09
49	99	1.346−05	8.439−06	6.968−06	5.711−06	3.640−06	2.238−06	1.982−06	1.855−06
49	100	2.225−05	2.113−05	2.081−05	2.059−05	2.058−05	2.086−05	2.131−05	2.198−05
49	101	1.141−06	7.990−07	6.837−07	5.826−07	4.346−07	3.252−07	3.161−07	3.152−07
49	102	3.191−06	1.826−06	1.435−06	1.102−06	5.485−07	1.746−07	1.044−07	6.439−08
49	103	2.147−05	1.365−05	1.116−05	9.029−06	5.722−06	3.188−06	2.661−06	2.365−06
49	104	1.220−05	8.728−06	7.510−06	6.412−06	4.616−06	3.385−06	3.144−06	2.986−06
49	105	1.680−04	1.643−04	1.634−04	1.633−04	1.666−04	1.709−04	1.753−04	1.814−04
49	106	2.853−04	3.408−04	3.652−04	3.903−04	4.464−04	5.251−04	5.651−04	6.097−04
49	107	3.078−05	2.233−05	1.949−05	1.698−05	1.288−05	1.163−05	1.179−05	1.206−05
49	108	2.965−06	2.372−06	2.168−06	2.001−06	1.848−06	1.612−06	1.611−06	1.647−06
49	109	5.454−04	3.771−04	3.150−04	2.577−04	1.636−04	7.661−05	5.539−05	3.844−05
49	110	1.199−06	6.809−07	5.395−07	4.209−07	2.223−07	9.616−08	7.588−08	6.745−08
49	111	5.521−02	6.607−02	7.082−02	7.570−02	8.660−02	1.017−01	1.094−01	1.180−01
49	112	6.115−03	6.981−03	7.377−03	7.789−03	8.756−03	1.013−02	1.087−02	1.170−02
49	113	7.051−04	8.365−04	8.928−04	9.474−04	1.072−03	1.215−03	1.301−03	1.392−03
49	114	3.166−06	2.284−06	1.955−06	1.673−06	1.355−06	9.050−07	8.386−07	8.147−07
49	115	1.504−06	8.578−07	6.780−07	5.266−07	2.751−07	1.091−07	8.102−08	6.783−08
49	116	6.740−06	5.903−06	5.507−06	5.189−06	5.081−06	4.617−06	4.633−06	4.747−06
49	117	1.828−06	1.302−06	1.149−06	1.019−06	8.091−07	6.722−07	6.558−07	6.569−07
49	118	1.239−05	1.092−05	1.047−05	1.013−05	1.005−05	9.855−06	1.017−05	1.061−05
49	119	2.565−06	1.906−06	1.659−06	1.461−06	1.330−06	9.972−07	9.755−07	9.976−07
49	120	4.717−03	5.553−03	5.920−03	6.287−03	7.127−03	8.195−03	8.792−03	9.441−03
49	121	2.953−06	2.463−06	2.306−06	2.171−06	1.984−06	1.877−06	1.898−06	1.945−06
49	122	1.016−05	8.468−06	7.622−06	6.928−06	6.602−06	5.426−06	5.328−06	5.401−06
49	123	5.958−06	4.689−06	4.254−06	3.866−06	3.240−06	2.811−06	2.738−06	2.715−06
49	124	1.364−04	1.380−04	1.386−04	1.397−04	1.444−04	1.497−04	1.537−04	1.591−04
49	125	2.229−04	2.250−04	2.260−04	2.276−04	2.345−04	2.431−04	2.495−04	2.582−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
50	51	2.455−02	2.080−02	1.953−02	1.858−02	1.820−02	1.697−02	1.724−02	1.785−02
50	52	5.026−02	4.401−02	4.206−02	4.050−02	3.885−02	3.779−02	3.830−02	3.934−02
50	53	9.726−03	7.234−03	6.255−03	5.485−03	5.133−03	3.700−03	3.623−03	3.728−03
50	54	5.844−03	4.467−03	3.891−03	3.442−03	3.318−03	2.430−03	2.389−03	2.465−03
50	55	3.767−09	2.109−09	1.648−09	1.257−09	5.964−10	1.743−10	9.587−11	5.359−11
50	56	9.642−06	7.290−06	6.527−06	5.911−06	5.308−06	4.441−06	4.425−06	4.536−06
50	57	7.604−06	4.192−06	3.272−06	2.494−06	1.141−06	3.374−07	1.949−07	1.222−07
50	58	2.607−02	2.008−02	1.809−02	1.645−02	1.468−02	1.257−02	1.249−02	1.273−02
50	59	4.481−03	2.566−03	2.034−03	1.587−03	8.490−04	3.564−04	2.757−04	2.398−04
50	60	1.877−04	1.322−04	1.147−04	1.000−04	8.049−05	6.106−05	5.897−05	5.902−05
50	61	1.309−02	7.869−03	6.372−03	5.086−03	2.878−03	1.484−03	1.205−03	1.045−03
50	62	7.785−06	4.513−06	3.603−06	2.835−06	1.559−06	7.255−07	5.875−07	5.250−07
50	63	2.454−03	1.357−03	1.060−03	8.088−04	3.738−04	1.132−04	6.704−05	4.352−05
50	64	6.147−05	3.467−05	2.715−05	2.075−05	9.939−06	2.978−06	1.671−06	9.407−07
50	65	5.785−05	4.934−05	4.602−05	4.347−05	4.297−05	3.853−05	3.895−05	4.024−05
50	66	6.494−05	4.337−05	3.581−05	2.899−05	1.807−05	8.246−06	5.991−06	4.297−06
50	67	5.532−05	3.121−05	2.444−05	1.869−05	8.962−06	2.689−06	1.510−06	8.501−07
50	68	6.069−05	4.452−05	3.946−05	3.533−05	3.056−05	2.516−05	2.491−05	2.543−05
50	69	4.591−05	3.847−05	3.564−05	3.335−05	3.189−05	2.859−05	2.870−05	2.945−05
50	70	5.218−03	3.769−03	3.205−03	2.705−03	2.019−03	1.285−03	1.128−03	1.029−03
50	71	3.459−05	2.002−05	1.596−05	1.254−05	6.826−06	3.119−06	2.497−06	2.209−06
50	72	5.232−04	3.252−04	2.633−04	2.087−04	1.170−04	4.713−05	3.188−05	2.109−05
50	73	4.707−08	2.763−08	2.203−08	1.729−08	9.666−09	4.212−09	3.273−09	2.813−09
50	74	2.073−05	1.358−05	1.132−05	9.467−06	7.333−06	4.740−06	4.474−06	4.502−06
50	75	4.207−05	3.238−05	2.834−05	2.516−05	2.428−05	1.813−05	1.786−05	1.842−05
50	76	4.095−03	2.985−03	2.562−03	2.187−03	1.670−03	1.124−03	1.014−03	9.485−04
50	77	6.599−04	4.458−04	3.696−04	3.010−04	1.941−04	9.347−05	7.098−05	5.447−05
50	78	3.144−03	2.091−03	1.723−03	1.390−03	8.509−04	3.739−04	2.625−04	1.776−04
50	79	2.109−04	1.467−04	1.229−04	1.007−04	6.420−05	3.026−05	2.192−05	1.519−05
50	80	5.884−05	4.105−05	3.498−05	3.009−05	2.597−05	1.832−05	1.780−05	1.824−05
50	81	2.980−04	2.835−04	2.766−04	2.709−04	2.666−04	2.653−04	2.682−04	2.744−04
50	82	2.570−05	1.687−05	1.407−05	1.177−05	9.090−06	5.882−06	5.542−06	5.563−06
50	83	4.011−05	2.503−05	2.048−05	1.668−05	1.134−05	6.496−06	5.824−06	5.635−06
50	84	1.810−05	1.156−05	9.525−06	7.840−06	5.666−06	3.425−06	3.146−06	3.102−06
50	85	2.247−04	1.865−04	1.738−04	1.630−04	1.486−04	1.370−04	1.369−04	1.390−04
50	86	9.828−06	6.295−06	5.192−06	4.275−06	3.099−06	1.870−06	1.715−06	1.688−06
50	87	6.215−05	4.910−05	4.499−05	4.162−05	3.766−05	3.377−05	3.375−05	3.448−05
50	88	1.488−07	1.353−07	1.278−07	1.221−07	1.263−07	1.132−07	1.146−07	1.186−07
50	89	1.086−05	6.660−06	5.453−06	4.434−06	2.804−06	1.655−06	1.475−06	1.403−06
50	90	8.324−07	6.647−07	5.979−07	5.398−07	4.784−07	3.812−07	3.700−07	3.690−07
50	91	4.553−08	2.609−08	2.052−08	1.578−08	7.782−09	2.449−09	1.422−09	8.175−10
50	92	3.110−01	3.728−01	3.990−01	4.256−01	4.843−01	5.638−01	6.046−01	6.500−01
50	93	9.355−06	5.263−06	4.139−06	3.192−06	1.591−06	5.737−07	3.993−07	3.151−07
50	94	2.165−05	1.209−05	9.444−06	7.209−06	3.390−06	9.950−07	5.620−07	3.313−07
50	95	6.664−02	7.985−02	8.550−02	9.123−02	1.039−01	1.214−01	1.302−01	1.401−01
50	96	7.605−06	6.969−06	6.636−06	6.391−06	6.596−06	6.063−06	6.160−06	6.381−06
50	97	4.564−06	2.583−06	2.033−06	1.568−06	7.807−07	2.778−07	1.887−07	1.429−07
50	98	3.385−01	4.051−01	4.336−01	4.623−01	5.263−01	6.122−01	6.568−01	7.063−01
50	99	3.694−05	2.995−05	2.724−05	2.492−05	2.270−05	1.894−05	1.866−05	1.883−05
50	100	1.331−05	1.251−05	1.201−05	1.165−05	1.218−05	1.132−05	1.153−05	1.195−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
50	101	1.637−08	1.013−08	8.148−09	6.413−09	3.603−09	1.349−09	8.687−10	5.403−10
50	102	2.299−02	2.754−02	2.951−02	3.151−02	3.598−02	4.216−02	4.529−02	4.879−02
50	103	2.273−05	1.560−05	1.312−05	1.089−05	7.355−06	4.148−06	3.450−06	2.953−06
50	104	2.244−06	1.280−06	1.006−06	7.716−07	3.777−07	1.171−07	6.724−08	3.833−08
50	105	1.187−06	7.969−07	6.820−07	5.863−07	4.502−07	3.368−07	3.250−07	3.266−07
50	106	6.995−06	4.831−06	4.108−06	3.522−06	2.961−06	2.085−06	2.013−06	2.050−06
50	107	1.784−06	1.009−06	7.900−07	6.045−07	2.914−07	8.761−08	4.920−08	2.764−08
50	108	2.063−05	1.418−05	1.225−05	1.066−05	8.506−06	6.616−06	6.435−06	6.505−06
50	109	7.861−05	6.474−05	5.945−05	5.488−05	4.909−05	4.335−05	4.261−05	4.277−05
50	110	7.612−05	5.997−05	5.328−05	4.724−05	3.842−05	3.044−05	2.850−05	2.734−05
50	111	1.619−06	1.077−06	9.044−07	7.628−07	6.022−07	4.045−07	3.846−07	3.878−07
50	112	1.350−05	8.208−06	6.587−06	5.173−06	2.822−06	1.060−06	6.917−07	4.436−07
50	113	7.381−07	4.113−07	3.218−07	2.463−07	1.163−07	3.594−08	2.157−08	1.410−08
50	114	1.018−01	1.205−01	1.288−01	1.374−01	1.568−01	1.843−01	1.982−01	2.139−01
50	115	2.673−01	3.176−01	3.399−01	3.627−01	4.142−01	4.856−01	5.223−01	5.633−01
50	116	4.237−06	3.776−06	3.576−06	3.425−06	3.469−06	3.191−06	3.239−06	3.351−06
50	117	5.438−05	3.962−05	3.408−05	2.903−05	2.134−05	1.353−05	1.187−05	1.070−05
50	118	3.404−07	1.921−07	1.504−07	1.150−07	5.535−08	1.652−08	9.218−09	5.158−09
50	119	1.436−04	1.713−04	1.838−04	1.970−04	2.266−04	2.714−04	2.928−04	3.173−04
50	120	1.687−05	1.116−05	9.187−06	7.400−06	4.487−06	1.947−06	1.354−06	9.011−07
50	121	7.416−10	4.177−10	3.267−10	2.497−10	1.202−10	3.557−11	1.971−11	1.106−11
50	122	2.238−06	1.986−06	1.876−06	1.791−06	1.800−06	1.646−06	1.666−06	1.720−06
50	123	9.146−04	6.309−04	5.265−04	4.303−04	2.723−04	1.269−04	9.135−05	6.304−05
50	124	5.713−08	3.604−08	2.970−08	2.430−08	1.597−08	9.398−09	8.326−09	7.842−09
50	125	1.097−03	7.509−04	6.248−04	5.089−04	3.193−04	1.461−04	1.041−04	7.083−05
51	52	3.492−02	2.856−02	2.650−02	2.477−02	2.248−02	2.066−02	2.064−02	2.100−02
51	53	1.427−02	1.022−02	8.851−03	7.635−03	5.628−03	4.146−03	3.809−03	3.600−03
51	54	3.122−02	2.885−02	2.798−02	2.739−02	2.778−02	2.727−02	2.789−02	2.891−02
51	55	4.340−05	3.705−05	3.439−05	3.230−05	3.175−05	2.785−05	2.801−05	2.881−05
51	56	1.343−03	1.511−03	1.561−03	1.613−03	1.754−03	1.915−03	2.003−03	2.111−03
51	57	1.585−05	1.176−05	1.018−05	8.754−06	6.596−06	4.769−06	4.293−06	3.981−06
51	58	1.545−02	1.210−02	1.103−02	1.017−02	9.407−03	8.310−03	8.356−03	8.607−03
51	59	7.078−03	5.342−03	4.831−03	4.414−03	3.864−03	3.418−03	3.417−03	3.494−03
51	60	2.979−03	3.333−03	3.452−03	3.579−03	3.916−03	4.339−03	4.562−03	4.834−03
51	61	1.024−02	7.004−03	5.996−03	5.149−03	3.961−03	2.913−03	2.773−03	2.750−03
51	62	4.824−03	5.555−03	5.815−03	6.084−03	6.705−03	7.579−03	7.998−03	8.497−03
51	63	2.841−03	2.200−03	2.023−03	1.881−03	1.702−03	1.577−03	1.595−03	1.644−03
51	64	2.712−05	1.488−05	1.159−05	8.817−06	3.981−06	1.123−06	6.339−07	3.902−07
51	65	4.625−03	5.354−03	5.619−03	5.893−03	6.517−03	7.417−03	7.842−03	8.346−03
51	66	1.725−05	1.329−05	1.204−05	1.100−05	9.683−06	8.441−06	8.397−06	8.544−06
51	67	2.005−05	1.147−05	9.130−06	7.162−06	3.843−06	1.753−06	1.425−06	1.288−06
51	68	5.750−03	6.664−03	7.008−03	7.365−03	8.177−03	9.367−03	9.927−03	1.059−02
51	69	4.808−03	3.396−03	2.872−03	2.407−03	1.744−03	1.071−03	9.288−04	8.381−04
51	70	6.380−04	4.838−04	4.185−04	3.613−04	2.924−04	2.081−04	1.904−04	1.810−04
51	71	4.500−04	5.144−04	5.410−04	5.688−04	6.353−04	7.258−04	7.727−04	8.270−04
51	72	2.118−03	1.432−03	1.197−03	9.845−04	6.366−04	3.428−04	2.751−04	2.252−04
51	73	2.922−04	2.913−04	2.922−04	2.939−04	3.044−04	3.261−04	3.424−04	3.620−04
51	74	1.336−03	9.972−04	8.644−04	7.489−04	6.087−04	4.391−04	4.091−04	3.956−04
51	75	1.737−04	1.289−04	1.106−04	9.396−05	6.772−05	4.641−05	4.014−05	3.551−05
51	76	5.262−04	3.530−04	2.948−04	2.447−04	1.727−04	1.083−04	9.595−05	8.957−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
51	77	1.989−04	1.480−04	1.304−04	1.149−04	9.331−05	7.153−05	6.828−05	6.705−05
51	78	4.067−04	3.713−04	3.600−04	3.515−04	3.483−04	3.440−04	3.508−04	3.621−04
51	79	9.580−04	1.149−03	1.228−03	1.307−03	1.480−03	1.712−03	1.830−03	1.962−03
51	80	2.901−04	2.398−04	2.199−04	2.018−04	1.693−04	1.597−04	1.558−04	1.541−04
51	81	5.794−05	5.164−05	4.925−05	4.732−05	4.535−05	4.468−05	4.510−05	4.618−05
51	82	3.962−05	3.540−05	3.441−05	3.366−05	3.266−05	3.300−05	3.370−05	3.478−05
51	83	5.560−05	4.826−05	4.563−05	4.346−05	4.106−05	3.898−05	3.914−05	3.993−05
51	84	1.243−04	1.195−04	1.175−04	1.160−04	1.155−04	1.162−04	1.181−04	1.213−04
51	85	1.126−04	9.898−05	9.480−05	9.149−05	8.834−05	8.585−05	8.713−05	8.965−05
51	86	2.751−05	2.334−05	2.210−05	2.105−05	1.942−05	1.885−05	1.900−05	1.941−05
51	87	6.350−05	5.456−05	5.140−05	4.883−05	4.638−05	4.419−05	4.476−05	4.603−05
51	88	7.027−02	8.424−02	9.014−02	9.607−02	1.092−01	1.267−01	1.357−01	1.458−01
51	89	1.661−03	1.983−03	2.121−03	2.260−03	2.570−03	2.997−03	3.214−03	3.457−03
51	90	1.070−01	1.283−01	1.373−01	1.462−01	1.661−01	1.920−01	2.058−01	2.209−01
51	91	1.040−05	9.738−06	9.342−06	9.058−06	9.432−06	8.787−06	8.944−06	9.270−06
51	92	2.028−03	2.436−03	2.605−03	2.763−03	3.122−03	3.500−03	3.742−03	3.992−03
51	93	3.649−05	3.427−05	3.377−05	3.344−05	3.324−05	3.389−05	3.466−05	3.579−05
51	94	1.012−03	1.194−03	1.271−03	1.349−03	1.525−03	1.755−03	1.878−03	2.015−03
51	95	2.208−02	2.651−02	2.837−02	3.020−02	3.430−02	3.935−02	4.216−02	4.520−02
51	96	8.281−04	9.047−04	9.410−04	9.806−04	1.078−03	1.234−03	1.317−03	1.412−03
51	97	5.270−04	6.148−04	6.534−04	6.940−04	7.857−04	9.242−04	9.916−04	1.069−03
51	98	1.143−04	9.012−05	8.093−05	7.299−05	6.412−05	5.153−05	5.012−05	5.007−05
51	99	2.370−02	2.811−02	3.000−02	3.191−02	3.619−02	4.191−02	4.493−02	4.827−02
51	100	1.141−01	1.368−01	1.465−01	1.564−01	1.784−01	2.084−01	2.237−01	2.407−01
51	101	2.433−05	1.742−05	1.493−05	1.269−05	9.303−06	5.954−06	5.275−06	4.822−06
51	102	4.337−03	5.185−03	5.550−03	5.917−03	6.737−03	7.824−03	8.396−03	9.028−03
51	103	1.315−03	1.554−03	1.658−03	1.763−03	2.000−03	2.319−03	2.487−03	2.674−03
51	104	1.753−05	1.364−05	1.221−05	1.096−05	9.449−06	7.553−06	7.322−06	7.289−06
51	105	2.886−03	3.456−03	3.702−03	3.954−03	4.515−03	5.294−03	5.687−03	6.127−03
51	106	5.910−05	4.997−05	4.528−05	4.105−05	3.581−05	2.994−05	2.852−05	2.780−05
51	107	8.109−06	7.362−06	7.016−06	6.759−06	6.883−06	6.401−06	6.502−06	6.726−06
51	108	1.031−04	8.442−05	7.608−05	6.862−05	5.838−05	4.991−05	4.812−05	4.745−05
51	109	2.441−05	1.952−05	1.742−05	1.556−05	1.294−05	1.074−05	1.019−05	9.902−06
51	110	3.354−05	2.692−05	2.440−05	2.229−05	2.034−05	1.711−05	1.687−05	1.709−05
51	111	8.768−06	7.663−06	7.330−06	7.046−06	6.603−06	6.466−06	6.530−06	6.671−06
51	112	9.192−06	6.477−06	5.602−06	4.864−06	3.903−06	2.914−06	2.802−06	2.798−06
51	113	1.735−05	1.277−05	1.095−05	9.347−06	7.301−06	4.920−06	4.449−06	4.184−06
51	114	1.333−04	1.334−04	1.346−04	1.361−04	1.428−04	1.533−04	1.619−04	1.718−04
51	115	4.367−05	3.157−05	2.717−05	2.321−05	1.719−05	1.128−05	1.007−05	9.256−06
51	116	5.491−02	6.488−02	6.932−02	7.390−02	8.428−02	9.895−02	1.064−01	1.148−01
51	117	1.124−01	1.342−01	1.438−01	1.537−01	1.757−01	2.062−01	2.219−01	2.393−01
51	118	1.168−04	8.065−05	6.735−05	5.509−05	3.495−05	1.640−05	1.188−05	8.284−06
51	119	2.193−02	2.532−02	2.683−02	2.838−02	3.199−02	3.687−02	3.954−02	4.251−02
51	120	3.083−06	2.199−06	1.889−06	1.614−06	1.204−06	8.161−07	7.404−07	6.952−07
51	121	2.669−04	1.849−04	1.547−04	1.268−04	8.113−05	3.882−05	2.855−05	2.038−05
51	122	6.996−03	8.332−03	8.925−03	9.537−03	1.091−02	1.284−02	1.382−02	1.492−02
51	123	5.917−03	6.998−03	7.478−03	7.970−03	9.086−03	1.061−02	1.141−02	1.230−02
51	124	7.179−04	5.674−04	5.150−04	4.685−04	4.007−04	3.545−04	3.546−04	3.619−04
51	125	1.005−04	7.549−05	6.655−05	5.842−05	4.577−05	3.525−05	3.365−05	3.292−05
52	53	3.887−02	3.544−02	3.422−02	3.337−02	3.374−02	3.291−02	3.365−02	3.490−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
52	54	2.053−03	1.230−03	9.916−04	7.920−04	4.883−04	2.496−04	2.141−04	2.013−04
52	55	2.199−06	1.984−06	1.878−06	1.800−06	1.855−06	1.682−06	1.709−06	1.771−06
52	56	3.401−05	2.708−05	2.439−05	2.210−05	1.979−05	1.598−05	1.562−05	1.569−05
52	57	2.184−05	1.408−05	1.151−05	9.219−06	5.434−06	2.312−06	1.604−06	1.079−06
52	58	1.015−02	6.803−03	5.767−03	4.895−03	3.661−03	2.556−03	2.404−03	2.368−03
52	59	8.470−03	5.773−03	4.934−03	4.232−03	3.276−03	2.405−03	2.298−03	2.291−03
52	60	3.693−04	3.554−04	3.501−04	3.478−04	3.597−04	3.712−04	3.849−04	4.040−04
52	61	1.548−02	1.066−02	9.218−03	8.023−03	6.364−03	4.977−03	4.845−03	4.890−03
52	62	1.362−05	7.965−06	6.338−06	4.944−06	2.609−06	1.032−06	7.348−07	5.616−07
52	63	1.575−03	9.266−04	7.434−04	5.891−04	3.415−04	1.650−04	1.371−04	1.254−04
52	64	5.621−05	4.143−05	3.681−05	3.307−05	2.901−05	2.400−05	2.386−05	2.445−05
52	65	4.471−05	3.561−05	3.245−05	2.991−05	2.798−05	2.414−05	2.418−05	2.484−05
52	66	1.846−05	1.230−05	1.024−05	8.428−06	5.649−06	3.333−06	2.829−06	2.514−06
52	67	4.283−05	2.881−05	2.468−05	2.127−05	1.655−05	1.244−05	1.206−05	1.218−05
52	68	8.915−03	1.037−02	1.091−02	1.147−02	1.271−02	1.457−02	1.543−02	1.644−02
52	69	2.550−03	1.860−03	1.595−03	1.362−03	1.046−03	7.046−04	6.360−04	5.960−04
52	70	4.062−03	3.064−03	2.680−03	2.344−03	1.925−03	1.436−03	1.352−03	1.317−03
52	71	3.833−05	2.541−05	2.158−05	1.837−05	1.379−05	9.911−06	9.468−06	9.452−06
52	72	1.908−03	1.340−03	1.134−03	9.502−04	6.754−04	4.091−04	3.527−04	3.148−04
52	73	8.359−05	5.826−05	4.881−05	4.005−05	2.558−05	1.210−05	8.778−06	6.099−06
52	74	1.083−03	7.154−04	5.883−04	4.735−04	2.870−04	1.242−04	8.631−05	5.753−05
52	75	1.444−04	9.640−05	7.957−05	6.431−05	3.956−05	1.765−05	1.252−05	8.598−06
52	76	1.590−03	1.088−03	9.114−04	7.533−04	5.074−04	2.818−04	2.326−04	1.981−04
52	77	2.135−04	1.509−04	1.272−04	1.061−04	7.441−05	4.710−05	4.003−05	3.521−05
52	78	8.942−04	6.385−04	5.464−04	4.661−04	3.581−04	2.443−04	2.239−04	2.135−04
52	79	2.115−04	2.196−04	2.238−04	2.286−04	2.430−04	2.676−04	2.829−04	3.008−04
52	80	1.904−04	1.408−04	1.239−04	1.092−04	8.929−05	6.908−05	6.627−05	6.549−05
52	81	5.838−05	4.557−05	4.069−05	3.655−05	3.213−05	2.604−05	2.529−05	2.531−05
52	82	1.325−05	7.941−06	6.424−06	5.168−06	3.315−06	1.839−06	1.646−06	1.608−06
52	83	5.828−05	4.803−05	4.469−05	4.193−05	3.853−05	3.583−05	3.588−05	3.659−05
52	84	1.476−04	1.426−04	1.410−04	1.399−04	1.409−04	1.430−04	1.460−04	1.506−04
52	85	2.175−04	2.025−04	1.958−04	1.902−04	1.818−04	1.860−04	1.882−04	1.925−04
52	86	1.492−05	1.204−05	1.121−05	1.052−05	9.490−06	8.959−06	9.011−06	9.206−06
52	87	5.461−05	3.982−05	3.417−05	2.922−05	2.245−05	1.585−05	1.440−05	1.359−05
52	88	2.431−06	2.013−06	1.843−06	1.700−06	1.578−06	1.337−06	1.323−06	1.339−06
52	89	9.698−03	1.163−02	1.245−02	1.328−02	1.512−02	1.765−02	1.893−02	2.036−02
52	90	5.798−02	6.949−02	7.435−02	7.924−02	9.009−02	1.045−01	1.120−01	1.203−01
52	91	2.343−07	1.924−07	1.776−07	1.659−07	1.587−07	1.415−07	1.425−07	1.469−07
52	92	4.994−02	5.990−02	6.410−02	6.830−02	7.764−02	8.981−02	9.625−02	1.033−01
52	93	7.942−06	4.697−06	3.756−06	2.953−06	1.635−06	6.955−07	5.225−07	4.272−07
52	94	2.404−05	1.446−05	1.171−05	9.387−06	5.625−06	2.993−06	2.556−06	2.356−06
52	95	1.284−01	1.534−01	1.641−01	1.748−01	1.986−01	2.304−01	2.470−01	2.654−01
52	96	1.057−01	1.267−01	1.356−01	1.446−01	1.647−01	1.917−01	2.056−01	2.211−01
52	97	1.391−05	1.008−05	8.777−06	7.652−06	6.108−06	4.515−06	4.279−06	4.193−06
52	98	3.133−02	3.763−02	4.028−02	4.290−02	4.875−02	5.601−02	6.003−02	6.437−02
52	99	1.222−01	1.465−01	1.569−01	1.675−01	1.910−01	2.231−01	2.395−01	2.578−01
52	100	5.599−05	4.266−05	3.765−05	3.318−05	2.716−05	2.026−05	1.912−05	1.856−05
52	101	2.043−05	1.919−05	1.846−05	1.795−05	1.869−05	1.756−05	1.789−05	1.855−05
52	102	2.141−02	2.561−02	2.742−02	2.924−02	3.331−02	3.876−02	4.160−02	4.475−02
52	103	3.836−04	4.529−04	4.831−04	5.137−04	5.829−04	6.763−04	7.255−04	7.801−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
52	104	5.480−06	4.268−06	3.875−06	3.561−06	3.279−06	2.850−06	2.858−06	2.940−06
52	105	3.954−06	2.251−06	1.770−06	1.360−06	6.666−07	2.113−07	1.260−07	7.764−08
52	106	3.427−05	3.033−05	2.887−05	2.765−05	2.648−05	2.512−05	2.529−05	2.584−05
52	107	2.546−06	1.746−06	1.508−06	1.310−06	1.036−06	7.996−07	7.774−07	7.842−07
52	108	5.098−05	3.777−05	3.286−05	2.847−05	2.162−05	1.619−05	1.483−05	1.396−05
52	109	3.947−05	3.078−05	2.682−05	2.331−05	1.876−05	1.394−05	1.270−05	1.195−05
52	110	8.263−05	7.188−05	6.700−05	6.275−05	5.771−05	5.370−05	5.338−05	5.400−05
52	111	3.167−06	1.981−06	1.604−06	1.271−06	7.208−07	2.879−07	1.926−07	1.252−07
52	112	1.391−05	9.503−06	7.953−06	6.614−06	4.779−06	2.961−06	2.612−06	2.427−06
52	113	8.392−06	5.550−06	4.567−06	3.679−06	2.231−06	9.707−07	6.766−07	4.529−07
52	114	6.267−02	7.492−02	8.029−02	8.580−02	9.816−02	1.152−01	1.239−01	1.336−01
52	115	1.714−02	1.993−02	2.117−02	2.243−02	2.534−02	2.923−02	3.136−02	3.371−02
52	116	3.118−05	2.264−05	1.948−05	1.661−05	1.221−05	7.850−06	6.929−06	6.289−06
52	117	6.929−02	8.202−02	8.768−02	9.353−02	1.067−01	1.254−01	1.349−01	1.456−01
52	118	3.129−06	2.911−06	2.799−06	2.721−06	2.809−06	2.656−06	2.706−06	2.804−06
52	119	1.026−01	1.216−01	1.300−01	1.386−01	1.581−01	1.853−01	1.993−01	2.149−01
52	120	9.774−06	7.274−06	6.323−06	5.487−06	4.367−06	3.206−06	2.985−06	2.872−06
52	121	3.698−06	3.427−06	3.292−06	3.194−06	3.285−06	3.100−06	3.156−06	3.268−06
52	122	8.664−04	5.977−04	4.989−04	4.077−04	2.578−04	1.197−04	8.602−05	5.909−05
52	123	1.132−02	1.345−02	1.440−02	1.538−02	1.759−02	2.070−02	2.228−02	2.406−02
52	124	3.983−04	2.726−04	2.267−04	1.847−04	1.158−04	5.295−05	3.772−05	2.566−05
52	125	4.428−04	3.095−04	2.611−04	2.167−04	1.448−04	8.058−05	6.592−05	5.494−05
53	54	2.045−02	1.696−02	1.568−02	1.463−02	1.372−02	1.229−02	1.231−02	1.258−02
53	55	2.233−03	2.557−03	2.652−03	2.748−03	2.988−03	3.267−03	3.412−03	3.589−03
53	56	6.236−05	5.723−05	5.494−05	5.318−05	5.303−05	5.181−05	5.308−05	5.523−05
53	57	1.941−05	1.462−05	1.286−05	1.134−05	9.427−06	7.499−06	7.176−06	7.088−06
53	58	5.190−03	3.139−03	2.555−03	2.061−03	1.262−03	7.044−04	6.146−04	5.768−04
53	59	5.113−03	3.680−03	3.272−03	2.936−03	2.458−03	2.114−03	2.103−03	2.147−03
53	60	5.404−04	5.844−04	5.981−04	6.140−04	6.635−04	7.221−04	7.561−04	7.987−04
53	61	4.415−03	2.646−03	2.134−03	1.705−03	1.049−03	5.433−04	4.661−04	4.379−04
53	62	2.168−04	2.401−04	2.484−04	2.572−04	2.791−04	3.109−04	3.268−04	3.462−04
53	63	2.628−03	1.848−03	1.638−03	1.463−03	1.173−03	1.020−03	1.011−03	1.026−03
53	64	1.128−03	1.282−03	1.340−03	1.400−03	1.540−03	1.745−03	1.843−03	1.961−03
53	65	7.224−03	8.369−03	8.785−03	9.214−03	1.020−02	1.160−02	1.226−02	1.305−02
53	66	2.912−05	2.543−05	2.400−05	2.286−05	2.223−05	2.096−05	2.129−05	2.194−05
53	67	8.444−05	8.933−05	9.194−05	9.497−05	1.023−04	1.160−04	1.227−04	1.308−04
53	68	1.390−03	1.606−03	1.687−03	1.772−03	1.964−03	2.246−03	2.379−03	2.537−03
53	69	3.638−03	2.545−03	2.141−03	1.781−03	1.246−03	7.247−04	6.098−04	5.313−04
53	70	2.107−04	1.478−04	1.259−04	1.067−04	8.005−05	5.227−05	4.736−05	4.477−05
53	71	8.022−05	8.846−05	9.245−05	9.673−05	1.067−04	1.222−04	1.302−04	1.394−04
53	72	1.497−03	1.063−03	9.092−04	7.744−04	5.806−04	3.919−04	3.562−04	3.362−04
53	73	4.658−04	5.213−04	5.445−04	5.685−04	6.251−04	7.068−04	7.511−04	8.017−04
53	74	3.727−04	2.632−04	2.213−04	1.839−04	1.303−04	7.674−05	6.430−05	5.590−05
53	75	1.035−04	7.257−05	6.152−05	5.181−05	3.827−05	2.415−05	2.148−05	1.994−05
53	76	3.413−04	2.382−04	2.071−04	1.803−04	1.380−04	1.070−04	1.025−04	1.013−04
53	77	1.270−04	1.131−04	1.076−04	1.026−04	9.019−05	9.491−05	9.476−05	9.515−05
53	78	1.041−04	7.718−05	6.817−05	6.010−05	4.559−05	3.845−05	3.653−05	3.533−05
53	79	1.907−04	2.229−04	2.363−04	2.503−04	2.814−04	3.273−04	3.497−04	3.753−04
53	80	1.152−04	7.894−05	6.659−05	5.550−05	3.736−05	2.249−05	1.913−05	1.675−05
53	81	1.209−04	1.158−04	1.148−04	1.143−04	1.148−04	1.179−04	1.208−04	1.248−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
53	82	1.779−05	1.531−05	1.467−05	1.413−05	1.316−05	1.312−05	1.329−05	1.362−05
53	83	4.364−05	3.918−05	3.803−05	3.711−05	3.559−05	3.609−05	3.671−05	3.773−05
53	84	4.504−05	4.089−05	3.870−05	3.671−05	3.400−05	3.244−05	3.213−05	3.227−05
53	85	4.279−05	3.698−05	3.511−05	3.363−05	3.249−05	3.092−05	3.135−05	3.229−05
53	86	6.620−05	6.320−05	6.248−05	6.200−05	6.145−05	6.368−05	6.515−05	6.722−05
53	87	3.348−05	2.544−05	2.270−05	2.035−05	1.712−05	1.431−05	1.393−05	1.391−05
53	88	3.956−02	4.743−02	5.074−02	5.402−02	6.132−02	7.063−02	7.566−02	8.115−02
53	89	1.254−04	1.436−04	1.518−04	1.605−04	1.806−04	2.119−04	2.271−04	2.448−04
53	90	1.123−02	1.347−02	1.440−02	1.530−02	1.733−02	1.970−02	2.109−02	2.256−02
53	91	2.361−02	2.830−02	3.028−02	3.226−02	3.664−02	4.235−02	4.538−02	4.871−02
53	92	4.727−05	3.794−05	3.455−05	3.174−05	2.932−05	2.500−05	2.487−05	2.536−05
53	93	5.219−06	3.135−06	2.527−06	2.004−06	1.123−06	5.089−07	3.883−07	3.163−07
53	94	3.720−03	4.460−03	4.772−03	5.084−03	5.778−03	6.677−03	7.156−03	7.683−03
53	95	1.794−05	1.165−05	9.592−06	7.755−06	4.724−06	2.222−06	1.668−06	1.267−06
53	96	7.336−04	8.621−04	9.180−04	9.765−04	1.109−03	1.302−03	1.397−03	1.506−03
53	97	1.118−02	1.338−02	1.431−02	1.524−02	1.730−02	1.994−02	2.137−02	2.293−02
53	98	4.334−05	4.000−05	3.826−05	3.700−05	3.825−05	3.562−05	3.625−05	3.757−05
53	99	3.474−02	4.169−02	4.466−02	4.763−02	5.425−02	6.297−02	6.756−02	7.261−02
53	100	1.876−02	2.215−02	2.361−02	2.509−02	2.842−02	3.292−02	3.529−02	3.792−02
53	101	5.937−02	7.119−02	7.626−02	8.140−02	9.283−02	1.084−01	1.164−01	1.252−01
53	102	1.640−05	1.077−05	8.960−06	7.375−06	4.865−06	2.769−06	2.359−06	2.102−06
53	103	1.145−03	1.370−03	1.467−03	1.564−03	1.781−03	2.066−03	2.217−03	2.384−03
53	104	3.450−03	4.124−03	4.416−03	4.715−03	5.381−03	6.312−03	6.781−03	7.306−03
53	105	4.649−05	5.005−05	5.207−05	5.441−05	6.023−05	7.025−05	7.530−05	8.124−05
53	106	8.886−05	7.284−05	6.484−05	5.765−05	4.866−05	3.888−05	3.648−05	3.516−05
53	107	4.774−04	5.716−04	6.124−04	6.541−04	7.469−04	8.749−04	9.400−04	1.013−03
53	108	3.650−05	2.470−05	2.052−05	1.682−05	1.134−05	6.008−06	4.882−06	4.132−06
53	109	7.477−06	5.558−06	4.894−06	4.323−06	3.526−06	2.844−06	2.731−06	2.700−06
53	110	2.106−05	1.842−05	1.750−05	1.676−05	1.599−05	1.530−05	1.544−05	1.581−05
53	111	3.870−06	2.892−06	2.585−06	2.321−06	1.911−06	1.606−06	1.566−06	1.562−06
53	112	5.723−06	4.112−06	3.537−06	3.038−06	2.362−06	1.694−06	1.579−06	1.530−06
53	113	1.447−05	1.050−05	9.004−06	7.681−06	5.831−06	3.932−06	3.547−06	3.317−06
53	114	4.765−05	3.265−05	2.720−05	2.219−05	1.394−05	6.430−06	4.606−06	3.158−06
53	115	9.162−06	8.524−06	8.181−06	7.937−06	8.216−06	7.714−06	7.854−06	8.140−06
53	116	5.037−02	6.017−02	6.448−02	6.889−02	7.878−02	9.237−02	9.936−02	1.072−01
53	117	3.147−02	3.701−02	3.947−02	4.197−02	4.768−02	5.548−02	5.961−02	6.419−02
53	118	1.371−02	1.614−02	1.722−02	1.834−02	2.088−02	2.448−02	2.633−02	2.840−02
53	119	3.028−04	2.094−04	1.750−04	1.433−04	9.125−05	4.325−05	3.158−05	2.229−05
53	120	2.519−06	1.723−06	1.451−06	1.206−06	8.048−07	4.694−07	3.963−07	3.443−07
53	121	2.450−02	2.911−02	3.115−02	3.326−02	3.802−02	4.468−02	4.809−02	5.190−02
53	122	1.691−03	2.008−03	2.149−03	2.295−03	2.624−03	3.091−03	3.327−03	3.593−03
53	123	4.490−04	4.803−04	4.966−04	5.142−04	5.609−04	6.305−04	6.726−04	7.202−04
53	124	6.012−04	4.275−04	3.645−04	3.068−04	2.140−04	1.316−04	1.138−04	1.010−04
53	125	6.707−04	7.422−04	7.768−04	8.136−04	9.043−04	1.038−03	1.112−03	1.195−03
54	55	3.830−04	4.327−04	4.456−04	4.588−04	4.955−04	5.332−04	5.546−04	5.815−04
54	56	8.073−04	9.240−04	9.577−04	9.916−04	1.078−03	1.177−03	1.229−03	1.292−03
54	57	5.118−06	3.052−06	2.447−06	1.924−06	1.040−06	4.232−07	3.019−07	2.262−07
54	58	6.677−03	5.862−03	5.640−03	5.478−03	5.374−03	5.307−03	5.426−03	5.619−03
54	59	2.100−03	1.284−03	1.055−03	8.598−04	5.237−04	3.238−04	2.868−04	2.691−04
54	60	2.464−05	1.679−05	1.442−05	1.246−05	9.787−06	7.325−06	7.086−06	7.132−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
54	61	1.821−03	1.012−03	7.935−04	6.092−04	2.936−04	1.011−04	6.841−05	5.296−05
54	62	1.533−04	1.756−04	1.834−04	1.914−04	2.096−04	2.359−04	2.483−04	2.632−04
54	63	1.188−03	6.617−04	5.180−04	3.961−04	1.840−04	5.587−05	3.244−05	1.969−05
54	64	1.019−03	1.162−03	1.215−03	1.270−03	1.397−03	1.582−03	1.671−03	1.777−03
54	65	4.469−03	5.180−03	5.437−03	5.703−03	6.308−03	7.174−03	7.584−03	8.070−03
54	66	5.685−06	4.603−06	4.175−06	3.826−06	3.555−06	3.048−06	3.023−06	3.078−06
54	67	1.141−05	7.609−06	6.565−06	5.676−06	4.080−06	3.394−06	3.304−06	3.317−06
54	68	7.080−06	4.580−06	3.851−06	3.240−06	2.330−06	1.608−06	1.519−06	1.506−06
54	69	1.733−03	1.172−03	9.739−04	7.948−04	5.089−04	2.526−04	1.933−04	1.491−04
54	70	4.532−05	2.925−05	2.397−05	1.931−05	1.190−05	5.543−06	4.202−06	3.281−06
54	71	7.038−06	5.511−06	5.162−06	4.898−06	4.529−06	4.634−06	4.849−06	5.142−06
54	72	7.202−04	5.563−04	4.928−04	4.386−04	3.770−04	3.007−04	2.898−04	2.881−04
54	73	7.007−05	6.578−05	6.441−05	6.336−05	6.308−05	6.553−05	6.817−05	7.162−05
54	74	1.910−04	1.303−04	1.093−04	9.023−05	5.838−05	3.227−05	2.599−05	2.122−05
54	75	7.039−05	6.449−05	6.203−05	5.971−05	5.365−05	5.766−05	5.783−05	5.824−05
54	76	8.598−05	5.737−05	4.874−05	4.121−05	2.854−05	1.971−05	1.804−05	1.712−05
54	77	4.111−05	2.814−05	2.349−05	1.944−05	1.406−05	8.055−06	6.960−06	6.349−06
54	78	4.677−05	3.485−05	3.063−05	2.687−05	2.086−05	1.633−05	1.527−05	1.465−05
54	79	1.362−06	8.859−07	7.282−07	5.865−07	3.500−07	1.540−07	1.094−07	7.604−08
54	80	5.249−05	3.533−05	2.935−05	2.404−05	1.615−05	8.397−06	6.858−06	5.829−06
54	81	1.111−04	1.086−04	1.084−04	1.085−04	1.098−04	1.136−04	1.165−04	1.205−04
54	82	1.632−05	1.506−05	1.459−05	1.417−05	1.303−05	1.405−05	1.422−05	1.449−05
54	83	1.722−05	1.509−05	1.456−05	1.414−05	1.354−05	1.351−05	1.376−05	1.417−05
54	84	1.307−05	9.546−06	8.199−06	6.968−06	4.991−06	3.292−06	2.858−06	2.537−06
54	85	4.798−06	2.870−06	2.326−06	1.877−06	1.212−06	6.887−07	6.236−07	6.151−07
54	86	1.484−05	1.194−05	1.111−05	1.041−05	9.323−06	8.736−06	8.769−06	8.942−06
54	87	7.796−06	5.427−06	4.713−06	4.081−06	2.950−06	2.271−06	2.133−06	2.053−06
54	88	4.442−03	5.318−03	5.682−03	6.033−03	6.824−03	7.747−03	8.288−03	8.864−03
54	89	2.109−06	1.382−06	1.164−06	9.802−07	7.051−07	4.826−07	4.513−07	4.424−07
54	90	1.267−05	9.183−06	8.065−06	7.125−06	5.932−06	4.673−06	4.553−06	4.582−06
54	91	2.938−02	3.522−02	3.767−02	4.010−02	4.550−02	5.231−02	5.603−02	6.007−02
54	92	6.212−05	5.727−05	5.472−05	5.288−05	5.476−05	5.088−05	5.179−05	5.370−05
54	93	3.130−06	2.294−06	2.045−06	1.831−06	1.440−06	1.315−06	1.287−06	1.288−06
54	94	1.761−04	2.043−04	2.163−04	2.274−04	2.535−04	2.804−04	2.990−04	3.181−04
54	95	3.253−06	2.756−06	2.577−06	2.439−06	2.394−06	2.178−06	2.205−06	2.279−06
54	96	2.089−05	1.658−05	1.511−05	1.392−05	1.293−05	1.120−05	1.121−05	1.151−05
54	97	5.727−03	6.870−03	7.353−03	7.832−03	8.900−03	1.026−02	1.100−02	1.180−02
54	98	7.306−07	4.149−07	3.257−07	2.498−07	1.215−07	3.715−08	2.138−08	1.241−08
54	99	2.261−05	1.550−05	1.295−05	1.061−05	6.814−06	3.354−06	2.537−06	1.905−06
54	100	2.911−02	3.493−02	3.742−02	3.993−02	4.551−02	5.302−02	5.690−02	6.120−02
54	101	2.419−02	2.885−02	3.085−02	3.288−02	3.740−02	4.355−02	4.673−02	5.027−02
54	102	5.308−06	4.604−06	4.323−06	4.107−06	4.088−06	3.717−06	3.762−06	3.887−06
54	103	4.070−06	2.735−06	2.339−06	2.007−06	1.526−06	1.126−06	1.080−06	1.079−06
54	104	5.479−03	6.570−03	7.038−03	7.510−03	8.560−03	9.961−03	1.069−02	1.150−02
54	105	8.520−05	9.889−05	1.051−04	1.116−04	1.263−04	1.475−04	1.583−04	1.705−04
54	106	4.176−05	3.030−05	2.570−05	2.158−05	1.576−05	9.761−06	8.349−06	7.391−06
54	107	1.821−05	2.124−05	2.255−05	2.380−05	2.669−05	2.983−05	3.188−05	3.402−05
54	108	1.484−05	1.095−05	9.442−06	8.080−06	5.996−06	4.230−06	3.782−06	3.474−06
54	109	2.027−06	1.374−06	1.158−06	9.666−07	6.468−07	4.364−07	3.834−07	3.473−07
54	110	1.551−06	9.819−07	8.116−07	6.708−07	4.804−07	3.014−07	2.799−07	2.781−07

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
54	111	2.801−06	2.284−06	2.125−06	1.989−06	1.766−06	1.718−06	1.737−06	1.781−06
54	112	1.410−06	9.605−07	8.057−07	6.723−07	4.811−07	3.119−07	2.772−07	2.588−07
54	113	6.715−06	4.440−06	3.658−06	2.953−06	1.807−06	8.070−07	5.762−07	4.026−07
54	114	2.020−06	1.773−06	1.676−06	1.603−06	1.602−06	1.482−06	1.503−06	1.554−06
54	115	1.435−07	8.185−08	6.432−08	4.938−08	2.421−08	7.485−09	4.338−09	2.528−09
54	116	2.631−02	3.108−02	3.319−02	3.534−02	4.024−02	4.699−02	5.051−02	5.442−02
54	117	3.674−04	2.538−04	2.119−04	1.732−04	1.096−04	5.100−05	3.666−05	2.519−05
54	118	1.865−02	2.229−02	2.388−02	2.552−02	2.918−02	3.421−02	3.680−02	3.968−02
54	119	1.031−06	9.224−07	8.773−07	8.436−07	8.506−07	7.941−07	8.066−07	8.342−07
54	120	2.255−06	1.653−06	1.434−06	1.241−06	9.699−07	7.061−07	6.560−07	6.298−07
54	121	1.155−02	1.378−02	1.477−02	1.579−02	1.808−02	2.126−02	2.289−02	2.470−02
54	122	3.100−03	3.677−03	3.934−03	4.198−03	4.796−03	5.628−03	6.057−03	6.535−03
54	123	9.552−06	6.516−06	5.424−06	4.421−06	2.769−06	1.278−06	9.191−07	6.360−07
54	124	4.428−04	3.270−04	2.853−04	2.474−04	1.877−04	1.372−04	1.284−04	1.233−04
54	125	2.561−05	1.762−05	1.469−05	1.199−05	7.567−06	3.503−06	2.515−06	1.728−06
55	56	1.087−02	8.927−03	7.965−03	7.160−03	6.561−03	5.279−03	5.100−03	5.092−03
55	57	2.594−03	2.566−03	2.521−03	2.502−03	2.662−03	2.687−03	2.791−03	2.940−03
55	58	1.550−04	1.337−04	1.248−04	1.180−04	1.181−04	1.054−04	1.067−04	1.103−04
55	59	1.407−02	1.619−02	1.690−02	1.763−02	1.934−02	2.162−02	2.273−02	2.407−02
55	60	3.486−02	3.369−02	3.353−02	3.351−02	3.391−02	3.501−02	3.592−02	3.718−02
55	61	7.021−05	6.480−05	6.172−05	5.953−05	6.209−05	5.684−05	5.783−05	6.000−05
55	62	1.307−02	1.230−02	1.213−02	1.203−02	1.203−02	1.230−02	1.260−02	1.304−02
55	63	1.173−03	1.354−03	1.417−03	1.482−03	1.635−03	1.845−03	1.947−03	2.068−03
55	64	6.421−04	3.669−04	2.896−04	2.238−04	1.129−04	4.236−05	2.986−05	2.303−05
55	65	1.234−03	1.048−03	9.981−04	9.577−04	9.016−04	8.820−04	8.951−04	9.202−04
55	66	9.108−03	1.054−02	1.106−02	1.160−02	1.285−02	1.463−02	1.548−02	1.648−02
55	67	2.304−04	1.887−04	1.729−04	1.602−04	1.559−04	1.471−04	1.552−04	1.647−04
55	68	1.297−03	1.205−03	1.161−03	1.124−03	1.094−03	1.059−03	1.065−03	1.087−03
55	69	1.080−03	6.233−04	4.951−04	3.865−04	2.051−04	8.539−05	6.460−05	5.411−05
55	70	8.708−03	8.054−03	7.685−03	7.424−03	7.729−03	7.119−03	7.244−03	7.514−03
55	71	9.667−04	8.645−04	8.360−04	8.132−04	7.849−04	7.792−04	7.923−04	8.147−04
55	72	4.114−01	4.780−01	5.035−01	5.301−01	5.898−01	6.787−01	7.202−01	7.691−01
55	73	2.928−04	2.873−04	2.865−04	2.868−04	2.912−04	3.005−04	3.078−04	3.182−04
55	74	2.031−01	2.418−01	2.576−01	2.736−01	3.087−01	3.584−01	3.827−01	4.103−01
55	75	1.115−01	1.330−01	1.418−01	1.507−01	1.701−01	1.973−01	2.107−01	2.259−01
55	76	4.502−03	3.888−03	3.638−03	3.445−03	3.435−03	3.090−03	3.127−03	3.232−03
55	77	1.638−01	1.962−01	2.095−01	2.228−01	2.521−01	2.922−01	3.122−01	3.347−01
55	78	1.098−02	1.274−02	1.350−02	1.426−02	1.597−02	1.828−02	1.951−02	2.088−02
55	79	2.059−04	1.966−04	1.944−04	1.934−04	1.957−04	1.999−04	2.049−04	2.121−04
55	80	1.342−04	8.684−05	7.154−05	5.799−05	3.585−05	1.769−05	1.383−05	1.116−05
55	81	9.464−05	5.873−05	4.790−05	3.855−05	2.335−05	1.221−05	1.010−05	8.848−06
55	82	2.255−02	2.698−02	2.883−02	3.072−02	3.488−02	4.080−02	4.369−02	4.697−02
55	83	8.247−02	9.899−02	1.059−01	1.129−01	1.282−01	1.494−01	1.600−01	1.718−01
55	84	2.895−02	3.472−02	3.712−02	3.949−02	4.474−02	5.139−02	5.498−02	5.891−02
55	85	1.126−04	1.011−04	9.578−05	9.185−05	9.388−05	8.622−05	8.761−05	9.079−05
55	86	1.082−02	1.291−02	1.380−02	1.473−02	1.676−02	1.973−02	2.116−02	2.280−02
55	87	3.626−05	2.683−05	2.380−05	2.129−05	1.841−05	1.507−05	1.487−05	1.513−05
55	88	4.390−04	4.270−04	4.242−04	4.230−04	4.272−04	4.381−04	4.481−04	4.626−04
55	89	6.476−05	4.871−05	4.364−05	3.924−05	3.236−05	2.738−05	2.673−05	2.668−05
55	90	3.731−04	3.625−04	3.593−04	3.576−04	3.601−04	3.679−04	3.756−04	3.873−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
55	91	1.940−05	1.158−05	9.259−06	7.266−06	4.023−06	1.561−06	1.067−06	7.670−07
55	92	5.708−05	3.261−05	2.562−05	1.967−05	9.695−06	2.986−06	1.735−06	1.016−06
55	93	9.236−03	1.106−02	1.184−02	1.264−02	1.442−02	1.699−02	1.824−02	1.966−02
55	94	2.284−04	1.852−04	1.678−04	1.521−04	1.305−04	1.089−04	1.049−04	1.032−04
55	95	1.211−05	6.800−06	5.326−06	4.075−06	1.937−06	5.849−07	3.370−07	2.008−07
55	96	5.562−04	5.404−04	5.371−04	5.359−04	5.419−04	5.566−04	5.696−04	5.885−04
55	97	7.872−04	7.787−04	7.784−04	7.809−04	7.989−04	8.251−04	8.464−04	8.760−04
55	98	1.441−05	1.096−05	9.582−06	8.493−06	8.050−06	6.055−06	5.960−06	6.135−06
55	99	2.656−04	2.609−04	2.598−04	2.599−04	2.667−04	2.736−04	2.807−04	2.908−04
55	100	1.749−05	1.439−05	1.345−05	1.266−05	1.153−05	1.080−05	1.083−05	1.104−05
55	101	5.399−05	4.884−05	4.737−05	4.629−05	4.583−05	4.632−05	4.778−05	4.974−05
55	102	1.005−05	6.754−06	5.686−06	4.815−06	3.879−06	2.630−06	2.511−06	2.541−06
55	103	1.138−03	1.139−03	1.142−03	1.149−03	1.181−03	1.224−03	1.256−03	1.301−03
55	104	2.868−05	2.552−05	2.453−05	2.368−05	2.243−05	2.225−05	2.267−05	2.332−05
55	105	2.134−04	2.115−04	2.113−04	2.119−04	2.164−04	2.234−04	2.289−04	2.367−04
55	106	1.880−01	2.254−01	2.415−01	2.578−01	2.942−01	3.433−01	3.686−01	3.967−01
55	107	3.652−05	2.697−05	2.380−05	2.102−05	1.666−05	1.522−05	1.546−05	1.587−05
55	108	2.811−04	1.939−04	1.619−04	1.324−04	8.389−05	3.924−05	2.837−05	1.969−05
55	109	1.428−05	9.525−06	7.905−06	6.444−06	4.051−06	1.979−06	1.510−06	1.161−06
55	110	1.634−05	1.302−05	1.192−05	1.105−05	1.042−05	9.212−06	9.282−06	9.579−06
55	111	5.720−03	6.864−03	7.358−03	7.858−03	8.975−03	1.048−02	1.126−02	1.212−02
55	112	2.118−05	2.118−05	2.134−05	2.151−05	2.231−05	2.318−05	2.429−05	2.546−05
55	113	6.599−02	7.895−02	8.461−02	9.037−02	1.033−01	1.208−01	1.299−01	1.399−01
55	114	7.184−06	4.794−06	4.034−06	3.412−06	2.705−06	1.841−06	1.756−06	1.773−06
55	115	1.892−05	1.462−05	1.287−05	1.149−05	1.101−05	8.476−06	8.370−06	8.621−06
55	116	1.699−05	1.368−05	1.240−05	1.133−05	1.032−05	8.854−06	8.748−06	8.862−06
55	117	9.521−05	8.763−05	8.374−05	8.089−05	8.261−05	7.826−05	7.957−05	8.232−05
55	118	6.772−05	6.209−05	6.054−05	5.946−05	5.955−05	6.049−05	6.262−05	6.537−05
55	119	6.276−06	3.598−06	2.842−06	2.195−06	1.086−06	3.632−07	2.245−07	1.427−07
55	120	3.580−04	4.271−04	4.585−04	4.924−04	5.683−04	6.879−04	7.438−04	8.082−04
55	121	3.576−05	3.208−05	3.100−05	3.016−05	2.960−05	2.964−05	3.050−05	3.168−05
55	122	1.231−05	1.070−05	1.002−05	9.507−06	9.490−06	8.699−06	8.812−06	9.113−06
55	123	3.172−05	2.911−05	2.808−05	2.727−05	2.678−05	2.634−05	2.672−05	2.745−05
55	124	3.945−04	3.974−04	3.985−04	4.010−04	4.145−04	4.285−04	4.399−04	4.557−04
55	125	7.738−05	7.521−05	7.466−05	7.444−05	7.532−05	7.729−05	7.905−05	8.164−05
56	57	1.404−02	1.555−02	1.594−02	1.637−02	1.778−02	1.915−02	2.000−02	2.107−02
56	58	1.465−03	1.584−03	1.614−03	1.649−03	1.782−03	1.900−03	1.981−03	2.084−03
56	59	5.839−02	6.730−02	7.027−02	7.329−02	8.044−02	8.985−02	9.446−02	9.999−02
56	60	4.300−02	4.052−02	4.002−02	3.972−02	3.972−02	4.069−02	4.169−02	4.311−02
56	61	5.587−05	3.534−05	2.916−05	2.386−05	1.558−05	9.042−06	7.957−06	7.425−06
56	62	4.161−02	3.961−02	3.919−02	3.898−02	3.930−02	4.027−02	4.129−02	4.275−02
56	63	2.222−06	1.243−05	1.686−05	2.030−05	1.920−05	3.072−05	3.152−05	3.186−05
56	64	2.353−02	2.272−02	2.258−02	2.255−02	2.287−02	2.355−02	2.417−02	2.503−02
56	65	2.796−03	2.678−03	2.653−03	2.641−03	2.671−03	2.743−03	2.816−03	2.918−03
56	66	3.124−04	3.205−04	3.213−04	3.244−04	3.474−04	3.646−04	3.803−04	4.010−04
56	67	8.478−04	7.914−04	7.784−04	7.696−04	7.640−04	7.784−04	7.961−04	8.222−04
56	68	1.611−03	1.496−03	1.468−03	1.448−03	1.433−03	1.454−03	1.486−03	1.534−03
56	69	1.043+00	1.212+00	1.276+00	1.344+00	1.494+00	1.718+00	1.822+00	1.946+00
56	70	1.071−02	9.106−03	8.476−03	7.990−03	7.893−03	7.047−03	7.122−03	7.359−03
56	71	2.486−03	2.384−03	2.363−03	2.353−03	2.366−03	2.429−03	2.488−03	2.572−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
56	72	3.477−01	4.029−01	4.240−01	4.460−01	4.957−01	5.692−01	6.038−01	6.446−01
56	73	6.280−05	5.212−05	4.885−05	4.636−05	4.432−05	4.153−05	4.180−05	4.296−05
56	74	7.065−02	8.388−02	8.929−02	9.479−02	1.068−01	1.239−01	1.322−01	1.417−01
56	75	1.389−03	1.575−03	1.656−03	1.737−03	1.926−03	2.171−03	2.314−03	2.471−03
56	76	1.358−02	1.312−02	1.288−02	1.277−02	1.350−02	1.357−02	1.409−02	1.482−02
56	77	1.111−02	1.254−02	1.312−02	1.374−02	1.526−02	1.730−02	1.839−02	1.966−02
56	78	2.836−02	3.195−02	3.336−02	3.489−02	3.886−02	4.384−02	4.656−02	4.976−02
56	79	2.337−05	1.766−05	1.577−05	1.421−05	1.243−05	1.036−05	1.023−05	1.039−05
56	80	4.118−01	4.943−01	5.282−01	5.622−01	6.368−01	7.372−01	7.882−01	8.451−01
56	81	4.793−02	5.747−02	6.143−02	6.545−02	7.427−02	8.653−02	9.262−02	9.948−02
56	82	1.030−03	1.231−03	1.314−03	1.398−03	1.582−03	1.827−03	1.954−03	2.096−03
56	83	3.877−03	4.563−03	4.854−03	5.158−03	5.831−03	6.834−03	7.317−03	7.872−03
56	84	2.835−02	3.399−02	3.633−02	3.867−02	4.385−02	5.063−02	5.418−02	5.812−02
56	85	1.808−04	1.359−04	1.209−04	1.084−04	9.435−05	7.678−05	7.559−05	7.663−05
56	86	1.871−03	2.215−03	2.361−03	2.511−03	2.845−03	3.318−03	3.554−03	3.821−03
56	87	7.022−02	8.425−02	9.018−02	9.620−02	1.095−01	1.278−01	1.370−01	1.473−01
56	88	4.686−04	4.609−04	4.600−04	4.606−04	4.687−04	4.835−04	4.955−04	5.123−04
56	89	2.576−04	1.993−04	1.742−04	1.519−04	1.245−04	9.041−05	8.341−05	7.958−05
56	90	2.528−04	2.384−04	2.343−04	2.315−04	2.300−04	2.330−04	2.376−04	2.449−04
56	91	1.796−04	1.754−04	1.745−04	1.742−04	1.764−04	1.813−04	1.855−04	1.916−04
56	92	8.117−04	7.982−04	7.968−04	7.984−04	8.152−04	8.412−04	8.629−04	8.931−04
56	93	9.017−03	1.081−02	1.157−02	1.236−02	1.410−02	1.657−02	1.778−02	1.915−02
56	94	1.715−04	1.514−04	1.426−04	1.354−04	1.300−04	1.298−04	1.333−04	1.383−04
56	95	1.227−04	1.025−04	9.134−05	8.207−05	7.768−05	6.140−05	5.941−05	5.961−05
56	96	3.568−04	3.460−04	3.436−04	3.428−04	3.488−04	3.575−04	3.665−04	3.793−04
56	97	3.625−05	3.050−05	2.878−05	2.738−05	2.540−05	2.485−05	2.509−05	2.571−05
56	98	1.912−05	1.455−05	1.272−05	1.128−05	1.070−05	8.058−06	7.933−06	8.169−06
56	99	2.681−05	1.939−05	1.651−05	1.406−05	1.156−05	7.730−06	7.176−06	7.011−06
56	100	1.261−04	1.132−04	1.093−04	1.064−04	1.052−04	1.054−04	1.088−04	1.133−04
56	101	8.081−06	6.192−06	5.450−06	4.843−06	4.411−06	3.426−06	3.356−06	3.414−06
56	102	3.581−05	2.829−05	2.508−05	2.230−05	1.889−05	1.522−05	1.444−05	1.411−05
56	103	7.752−05	7.154−05	6.991−05	6.870−05	6.779−05	6.815−05	6.954−05	7.170−05
56	104	8.417−05	8.040−05	7.927−05	7.858−05	7.938−05	8.045−05	8.231−05	8.508−05
56	105	9.840−05	9.578−05	9.523−05	9.501−05	9.611−05	9.872−05	1.012−04	1.048−04
56	106	5.958−02	7.133−02	7.640−02	8.158−02	9.311−02	1.090−01	1.171−01	1.262−01
56	107	8.753−05	7.579−05	7.174−05	6.828−05	6.371−05	6.030−05	6.047−05	6.153−05
56	108	2.915−01	3.490−01	3.738−01	3.989−01	4.548−01	5.299−01	5.689−01	6.122−01
56	109	4.748−04	5.589−04	5.967−04	6.374−04	7.289−04	8.735−04	9.415−04	1.020−03
56	110	2.307−05	1.688−05	1.498−05	1.343−05	1.165−05	9.704−06	9.632−06	9.854−06
56	111	6.603−03	7.920−03	8.492−03	9.079−03	1.039−02	1.221−02	1.313−02	1.416−02
56	112	3.764−04	4.475−04	4.795−04	5.139−04	5.910−04	7.128−04	7.697−04	8.353−04
56	113	1.758−01	2.105−01	2.258−01	2.413−01	2.762−01	3.243−01	3.489−01	3.762−01
56	114	1.079−04	1.017−04	9.977−05	9.838−05	9.821−05	9.876−05	1.006−04	1.037−04
56	115	3.922−05	2.556−05	2.124−05	1.766−05	1.320−05	8.355−06	7.768−06	7.699−06
56	116	1.082−04	1.009−04	9.863−05	9.698−05	9.666−05	9.748−05	9.992−05	1.035−04
56	117	1.085−04	1.035−04	1.023−04	1.015−04	1.019−04	1.038−04	1.062−04	1.097−04
56	118	1.157−05	9.668−06	8.890−06	8.206−06	7.250−06	6.492−06	6.329−06	6.296−06
56	119	1.051−03	1.042−03	1.038−03	1.039−03	1.072−03	1.098−03	1.126−03	1.167−03
56	120	5.458−05	5.633−05	5.764−05	5.926−05	6.419−05	7.210−05	7.687−05	8.241−05
56	121	1.232−05	1.030−05	9.539−06	8.951−06	8.784−06	7.897−06	7.993−06	8.272−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
56	122	6.329−05	6.018−05	5.928−05	5.870−05	5.894−05	6.021−05	6.180−05	6.401−05
56	123	2.561−04	2.574−04	2.582−04	2.596−04	2.668−04	2.762−04	2.832−04	2.928−04
56	124	1.734−04	1.633−04	1.593−04	1.567−04	1.589−04	1.590−04	1.630−04	1.690−04
56	125	8.762−05	8.433−05	8.334−05	8.279−05	8.395−05	8.516−05	8.712−05	9.007−05
57	58	6.423−05	5.912−05	5.745−05	5.633−05	5.691−05	5.633−05	5.766−05	5.978−05
57	59	4.218−05	3.591−05	3.346−05	3.156−05	3.096−05	2.794−05	2.826−05	2.917−05
57	60	6.761−05	6.306−05	6.023−05	5.825−05	6.100−05	5.596−05	5.694−05	5.907−05
57	61	1.480−05	9.827−06	8.183−06	6.807−06	5.124−06	3.123−06	2.857−06	2.786−06
57	62	2.477−03	2.861−03	2.991−03	3.123−03	3.428−03	3.841−03	4.039−03	4.277−03
57	63	3.449−05	2.566−05	2.232−05	1.949−05	1.674−05	1.277−05	1.261−05	1.282−05
57	64	8.528−03	9.848−03	1.030−02	1.077−02	1.187−02	1.337−02	1.409−02	1.495−02
57	65	7.677−04	9.215−04	9.801−04	1.037−03	1.137−03	1.326−03	1.399−03	1.485−03
57	66	5.666−02	5.347−02	5.278−02	5.237−02	5.242−02	5.359−02	5.489−02	5.676−02
57	67	5.277−03	6.137−03	6.457−03	6.787−03	7.517−03	8.601−03	9.104−03	9.698−03
57	68	2.839−04	2.445−04	2.282−04	2.158−04	2.150−04	1.922−04	1.943−04	2.008−04
57	69	6.956−04	5.684−04	5.008−04	4.431−04	3.982−04	3.015−04	2.849−04	2.795−04
57	70	3.149−05	2.316−05	1.995−05	1.738−05	1.576−05	1.120−05	1.087−05	1.109−05
57	71	1.347−03	1.800−03	1.985−03	2.156−03	2.361−03	2.932−03	3.104−03	3.295−03
57	72	5.309−04	4.830−04	4.651−04	4.517−04	4.479−04	4.359−04	4.432−04	4.570−04
57	73	1.126+00	1.305+00	1.373+00	1.443+00	1.604+00	1.838+00	1.948+00	2.079+00
57	74	4.324−04	2.960−04	2.474−04	2.033−04	1.331−04	6.933−05	5.488−05	4.402−05
57	75	2.635−03	1.773−03	1.469−03	1.192−03	7.386−04	3.340−04	2.382−04	1.640−04
57	76	1.255−04	1.176−04	1.147−04	1.123−04	1.098−04	1.100−04	1.114−04	1.141−04
57	77	7.426−03	6.029−03	5.501−03	5.039−03	4.444−03	3.827−03	3.751−03	3.753−03
57	78	1.298−03	9.280−04	7.838−04	6.540−04	4.685−04	2.706−04	2.264−04	1.959−04
57	79	1.418−02	1.254−02	1.182−02	1.127−02	1.141−02	1.036−02	1.051−02	1.088−02
57	80	1.321−02	1.082−02	9.625−03	8.594−03	7.697−03	6.062−03	5.791−03	5.714−03
57	81	2.172−04	1.734−04	1.524−04	1.341−04	1.163−04	8.727−05	8.200−05	7.981−05
57	82	3.802−05	2.469−05	2.020−05	1.619−05	9.680−06	4.171−06	2.908−06	1.978−06
57	83	7.195−04	5.666−04	4.938−04	4.290−04	3.546−04	2.517−04	2.293−04	2.164−04
57	84	5.766−03	4.606−03	4.013−03	3.492−03	2.978−03	2.120−03	1.945−03	1.855−03
57	85	8.388−06	5.211−06	4.217−06	3.340−06	1.862−06	7.629−07	5.173−07	3.411−07
57	86	2.664−04	2.144−04	1.893−04	1.671−04	1.424−04	1.073−04	9.997−05	9.624−05
57	87	3.206−04	2.555−04	2.315−04	2.103−04	1.803−04	1.531−04	1.487−04	1.476−04
57	88	1.441−03	1.711−03	1.826−03	1.946−03	2.211−03	2.605−03	2.793−03	3.009−03
57	89	6.374−07	4.762−07	4.229−07	3.778−07	3.220−07	2.585−07	2.526−07	2.542−07
57	90	1.358−04	1.198−04	1.130−04	1.077−04	1.086−04	9.910−05	1.005−04	1.039−04
57	91	1.550−04	1.812−04	1.925−04	2.042−04	2.304−04	2.688−04	2.879−04	3.096−04
57	92	3.659−06	2.436−06	2.071−06	1.765−06	1.326−06	9.578−07	9.143−07	9.114−07
57	93	3.747−05	2.354−05	1.906−05	1.512−05	8.711−06	3.743−06	2.697−06	1.973−06
57	94	1.358−04	1.630−04	1.744−04	1.856−04	2.105−04	2.412−04	2.582−04	2.767−04
57	95	2.670−05	2.370−05	2.240−05	2.142−05	2.167−05	1.987−05	2.016−05	2.086−05
57	96	7.341−05	6.424−05	6.038−05	5.738−05	5.730−05	5.195−05	5.255−05	5.424−05
57	97	6.423−05	7.472−05	7.919−05	8.336−05	9.313−05	1.031−04	1.100−04	1.171−04
57	98	1.087−05	6.184−06	4.857−06	3.727−06	1.818−06	5.594−07	3.235−07	1.885−07
57	99	1.183−04	9.636−05	8.841−05	8.197−05	7.734−05	6.752−05	6.764−05	6.937−05
57	100	3.204−04	3.728−04	3.952−04	4.169−04	4.670−04	5.249−04	5.608−04	5.989−04
57	101	2.683−03	3.214−03	3.441−03	3.674−03	4.191−03	4.917−03	5.279−03	5.687−03
57	102	7.048−05	6.798−05	6.582−05	6.440−05	6.804−05	6.426−05	6.558−05	6.806−05
57	103	2.193−04	1.813−04	1.676−04	1.568−04	1.508−04	1.342−04	1.352−04	1.393−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
57	104	4.689−03	5.613−03	6.012−03	6.427−03	7.344−03	8.683−03	9.331−03	1.007−02
57	105	2.057−04	2.301−04	2.422−04	2.556−04	2.867−04	3.380−04	3.629−04	3.919−04
57	106	1.750−04	1.269−04	1.103−04	9.565−05	7.316−05	5.369−05	4.997−05	4.789−05
57	107	2.824−05	3.381−05	3.604−05	3.796−05	4.252−05	4.574−05	4.882−05	5.164−05
57	108	1.952−04	1.394−04	1.176−04	9.834−05	7.313−05	4.471−05	3.873−05	3.509−05
57	109	4.678−06	3.229−06	2.701−06	2.232−06	1.536−06	8.722−07	7.248−07	6.249−07
57	110	9.144−07	6.474−07	5.474−07	4.591−07	3.415−07	2.031−07	1.771−07	1.615−07
57	111	2.093−06	1.392−06	1.149−06	9.320−07	5.906−07	2.951−07	2.221−07	1.695−07
57	112	3.154−06	2.607−06	2.300−06	2.027−06	1.766−06	1.333−06	1.237−06	1.188−06
57	113	7.838−05	5.002−05	4.053−05	3.215−05	1.891−05	7.981−06	5.591−06	3.911−06
57	114	1.836−07	1.753−07	1.694−07	1.653−07	1.735−07	1.638−07	1.670−07	1.732−07
57	115	8.463−08	4.835−08	3.803−08	2.922−08	1.437−08	4.479−09	2.611−09	1.528−09
57	116	3.744−04	4.477−04	4.799−04	5.135−04	5.884−04	6.960−04	7.493−04	8.095−04
57	117	6.495−06	4.965−06	4.388−06	3.875−06	3.190−06	2.397−06	2.267−06	2.206−06
57	118	3.470−05	4.129−05	4.408−05	4.673−05	5.279−05	5.936−05	6.353−05	6.785−05
57	119	2.021−06	1.947−06	1.889−06	1.851−06	1.947−06	1.855−06	1.893−06	1.964−06
57	120	5.881−06	4.973−06	4.412−06	3.924−06	3.544−06	2.732−06	2.569−06	2.501−06
57	121	4.623−04	5.531−04	5.931−04	6.344−04	7.268−04	8.563−04	9.217−04	9.949−04
57	122	3.629−04	4.341−04	4.656−04	4.981−04	5.710−04	6.733−04	7.250−04	7.829−04
57	123	7.335−06	5.352−06	4.606−06	3.927−06	2.899−06	1.853−06	1.631−06	1.475−06
57	124	1.779−04	2.120−04	2.272−04	2.430−04	2.785−04	3.286−04	3.540−04	3.825−04
57	125	7.421−07	6.301−07	5.858−07	5.511−07	5.407−07	4.826−07	4.866−07	5.017−07
58	59	2.502−02	2.261−02	2.178−02	2.113−02	2.072−02	2.015−02	2.047−02	2.106−02
58	60	5.082−02	5.841−02	6.089−02	6.341−02	6.951−02	7.731−02	8.119−02	8.587−02
58	61	2.843−02	2.539−02	2.435−02	2.350−02	2.269−02	2.204−02	2.230−02	2.286−02
58	62	1.187−02	1.363−02	1.423−02	1.484−02	1.629−02	1.823−02	1.918−02	2.032−02
58	63	2.125−02	1.905−02	1.816−02	1.750−02	1.754−02	1.670−02	1.698−02	1.756−02
58	64	8.200−05	4.974−05	4.052−05	3.271−05	2.016−05	1.129−05	9.889−06	9.296−06
58	65	5.487−05	4.610−05	4.302−05	4.062−05	3.930−05	3.628−05	3.684−05	3.816−05
58	66	1.493−04	1.349−04	1.286−04	1.238−04	1.238−04	1.174−04	1.191−04	1.228−04
58	67	3.184−05	1.956−05	1.606−05	1.313−05	8.494−06	5.172−06	4.702−06	4.556−06
58	68	6.695−05	6.897−05	7.060−05	7.206−05	7.051−05	8.280−05	8.544−05	8.872−05
58	69	5.775−04	4.361−04	3.899−04	3.518−04	3.071−04	2.577−04	2.545−04	2.584−04
58	70	5.426−03	3.904−03	3.393−03	2.943−03	2.260−03	1.659−03	1.553−03	1.499−03
58	71	1.817−04	1.692−04	1.621−04	1.571−04	1.626−04	1.522−04	1.550−04	1.606−04
58	72	1.466−03	1.217−03	1.146−03	1.086−03	1.002−03	9.573−04	9.662−04	9.893−04
58	73	2.539−04	2.989−04	3.156−04	3.322−04	3.642−04	4.200−04	4.432−04	4.704−04
58	74	2.233−04	1.595−04	1.370−04	1.176−04	9.078−05	6.675−05	6.205−05	5.995−05
58	75	5.631−05	4.659−05	4.310−05	4.017−05	3.679−05	3.344−05	3.325−05	3.374−05
58	76	3.899−03	2.700−03	2.260−03	1.869−03	1.298−03	7.401−04	6.175−04	5.357−04
58	77	9.807−04	8.478−04	7.928−04	7.484−04	7.239−04	6.621−04	6.655−04	6.820−04
58	78	4.272−03	3.729−03	3.505−03	3.326−03	3.245−03	3.000−03	3.024−03	3.106−03
58	79	2.193−03	2.577−03	2.734−03	2.890−03	3.240−03	3.695−03	3.940−03	4.212−03
58	80	9.120−05	7.032−05	6.221−05	5.571−05	5.219−05	4.099−05	4.052−05	4.160−05
58	81	6.127−05	5.164−05	4.857−05	4.593−05	4.126−05	4.083−05	4.093−05	4.153−05
58	82	7.917−05	7.549−05	7.446−05	7.378−05	7.388−05	7.513−05	7.679−05	7.924−05
58	83	4.384−05	3.554−05	3.199−05	2.882−05	2.448−05	2.060−05	1.970−05	1.927−05
58	84	1.043−05	6.172−06	4.931−06	3.867−06	2.106−06	8.801−07	6.499−07	5.144−07
58	85	8.609−05	5.569−05	4.614−05	3.780−05	2.434−05	1.373−05	1.163−05	1.033−05
58	86	9.508−05	8.742−05	8.387−05	8.080−05	7.739−05	7.481−05	7.494−05	7.611−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
58	87	1.046−04	9.007−05	8.372−05	7.807−05	7.024−05	6.655−05	6.654−05	6.750−05
58	88	1.731−02	2.075−02	2.220−02	2.366−02	2.689−02	3.125−02	3.348−02	3.597−02
58	89	1.694−03	2.007−03	2.140−03	2.279−03	2.587−03	3.038−03	3.257−03	3.507−03
58	90	1.312−02	1.571−02	1.681−02	1.791−02	2.034−02	2.361−02	2.530−02	2.717−02
58	91	1.234−05	1.114−05	1.057−05	1.014−05	1.025−05	9.425−06	9.544−06	9.847−06
58	92	3.006−04	3.411−04	3.582−04	3.736−04	4.116−04	4.440−04	4.724−04	5.002−04
58	93	4.409−05	4.022−05	3.881−05	3.769−05	3.702−05	3.605−05	3.655−05	3.756−05
58	94	1.231−03	1.462−03	1.558−03	1.650−03	1.865−03	2.107−03	2.254−03	2.410−03
58	95	4.490−03	5.385−03	5.764−03	6.145−03	6.990−03	8.119−03	8.704−03	9.352−03
58	96	1.053−01	1.263−01	1.352−01	1.441−01	1.638−01	1.898−01	2.034−01	2.185−01
58	97	1.127−01	1.351−01	1.446−01	1.541−01	1.753−01	2.039−01	2.186−01	2.350−01
58	98	1.735−05	1.334−05	1.200−05	1.088−05	9.539−06	8.006−06	7.892−06	7.983−06
58	99	3.098−02	3.700−02	3.956−02	4.214−02	4.787−02	5.547−02	5.946−02	6.388−02
58	100	1.480−02	1.776−02	1.902−02	2.029−02	2.312−02	2.694−02	2.891−02	3.109−02
58	101	1.417−05	9.637−06	8.024−06	6.550−06	4.132−06	1.962−06	1.448−06	1.049−06
58	102	2.059−02	2.461−02	2.631−02	2.801−02	3.181−02	3.664−02	3.928−02	4.216−02
58	103	4.439−03	5.047−03	5.317−03	5.599−03	6.255−03	7.195−03	7.697−03	8.264−03
58	104	7.839−05	5.517−05	4.663−05	3.880−05	2.626−05	1.444−05	1.169−05	9.591−06
58	105	4.215−02	5.058−02	5.419−02	5.787−02	6.603−02	7.724−02	8.294−02	8.929−02
58	106	5.916−06	3.762−06	3.102−06	2.532−06	1.596−06	9.466−07	8.125−07	7.341−07
58	107	5.813−05	4.317−05	3.749−05	3.233−05	2.471−05	1.670−05	1.507−05	1.400−05
58	108	3.835−05	3.375−05	3.169−05	2.986−05	2.782−05	2.619−05	2.661−05	2.739−05
58	109	6.806−05	6.126−05	5.856−05	5.622−05	5.259−05	5.328−05	5.404−05	5.541−05
58	110	1.876−05	1.256−05	1.056−05	8.804−06	5.973−06	3.663−06	3.202−06	2.914−06
58	111	2.255−05	1.750−05	1.545−05	1.364−05	1.147−05	8.730−06	8.253−06	8.051−06
58	112	2.847−05	2.435−05	2.201−05	1.980−05	1.625−05	1.378−05	1.278−05	1.204−05
58	113	1.903−06	1.217−06	1.006−06	8.250−07	5.534−07	3.240−07	2.861−07	2.684−07
58	114	1.185−01	1.410−01	1.508−01	1.608−01	1.834−01	2.137−01	2.297−01	2.473−01
58	115	4.362−04	3.022−04	2.530−04	2.077−04	1.338−04	6.523−05	4.878−05	3.580−05
58	116	4.102−03	4.843−03	5.171−03	5.510−03	6.277−03	7.356−03	7.909−03	8.528−03
58	117	3.511−03	4.109−03	4.377−03	4.654−03	5.287−03	6.191−03	6.655−03	7.176−03
58	118	6.392−04	4.417−04	3.689−04	3.016−04	1.911−04	8.912−05	6.420−05	4.427−05
58	119	3.868−03	4.601−03	4.918−03	5.234−03	5.950−03	6.856−03	7.358−03	7.904−03
58	120	1.520−05	1.121−05	9.678−06	8.313−06	6.407−06	4.462−06	4.056−06	3.812−06
58	121	4.942−04	3.415−04	2.852−04	2.333−04	1.479−04	6.920−05	4.997−05	3.462−05
58	122	6.076−02	7.244−02	7.760−02	8.294−02	9.493−02	1.117−01	1.203−01	1.298−01
58	123	2.612−02	3.118−02	3.341−02	3.570−02	4.083−02	4.786−02	5.150−02	5.554−02
58	124	1.831−03	2.178−03	2.333−03	2.494−03	2.858−03	3.372−03	3.632−03	3.924−03
58	125	2.389−03	2.415−03	2.449−03	2.494−03	2.653−03	2.946−03	3.132−03	3.351−03
59	60	1.176−03	1.127−03	1.094−03	1.073−03	1.128−03	1.085−03	1.113−03	1.160−03
59	61	2.795−02	2.416−02	2.254−02	2.131−02	2.119−02	1.915−02	1.934−02	1.996−02
59	62	1.522−03	1.640−03	1.674−03	1.714−03	1.848−03	1.992−03	2.081−03	2.194−03
59	63	2.813−02	2.579−02	2.494−02	2.432−02	2.437−02	2.379−02	2.427−02	2.508−02
59	64	3.910−03	4.482−03	4.677−03	4.877−03	5.346−03	5.988−03	6.300−03	6.673−03
59	65	4.625−04	5.272−04	5.507−04	5.748−04	6.286−04	7.109−04	7.491−04	7.947−04
59	66	1.553−04	1.457−04	1.428−04	1.408−04	1.409−04	1.419−04	1.452−04	1.501−04
59	67	2.242−05	1.583−05	1.394−05	1.224−05	8.172−06	7.760−06	7.191−06	6.780−06
59	68	1.361−03	1.568−03	1.642−03	1.719−03	1.895−03	2.147−03	2.267−03	2.410−03
59	69	1.665−03	1.463−03	1.361−03	1.268−03	1.141−03	1.040−03	1.013−03	1.005−03
59	70	3.771−03	2.625−03	2.216−03	1.855−03	1.335−03	8.191−04	7.153−04	6.511−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
59	71	3.345−05	2.353−05	2.017−05	1.732−05	1.335−05	9.786−06	9.123−06	8.845−06
59	72	7.373−04	4.854−04	4.104−04	3.455−04	2.391−04	1.640−04	1.510−04	1.447−04
59	73	2.918−03	3.478−03	3.684−03	3.887−03	4.272−03	4.938−03	5.211−03	5.529−03
59	74	1.418−04	9.438−05	7.962−05	6.718−05	4.960−05	3.399−05	3.182−05	3.126−05
59	75	4.475−05	3.180−05	2.703−05	2.315−05	2.003−05	1.358−05	1.304−05	1.324−05
59	76	2.183−03	1.460−03	1.213−03	9.945−04	6.487−04	3.624−04	2.966−04	2.516−04
59	77	2.858−04	2.460−04	2.344−04	2.249−04	2.120−04	2.067−04	2.092−04	2.145−04
59	78	1.322−03	1.150−03	1.097−03	1.054−03	9.983−04	9.673−04	9.781−04	1.002−03
59	79	3.123−04	3.298−04	3.377−04	3.469−04	3.728−04	4.154−04	4.395−04	4.682−04
59	80	4.353−05	3.234−05	2.803−05	2.398−05	1.589−05	1.250−05	1.081−05	9.375−06
59	81	2.124−05	1.381−05	1.148−05	9.406−06	5.895−06	3.327−06	2.768−06	2.383−06
59	82	2.945−05	2.170−05	1.921−05	1.701−05	1.351−05	1.082−05	1.040−05	1.024−05
59	83	1.322−04	1.228−04	1.189−04	1.154−04	1.069−04	1.142−04	1.152−04	1.170−04
59	84	1.491−05	1.234−05	1.153−05	1.079−05	9.100−06	9.590−06	9.677−06	9.825−06
59	85	3.561−05	2.368−05	2.003−05	1.688−05	1.173−05	8.058−06	7.368−06	7.015−06
59	86	4.232−05	3.802−05	3.654−05	3.524−05	3.303−05	3.326−05	3.374−05	3.453−05
59	87	5.848−05	4.874−05	4.552−05	4.263−05	3.720−05	3.546−05	3.514−05	3.525−05
59	88	1.034−02	1.237−02	1.323−02	1.408−02	1.597−02	1.849−02	1.980−02	2.125−02
59	89	8.236−04	9.850−04	1.053−03	1.122−03	1.274−03	1.481−03	1.586−03	1.704−03
59	90	6.645−03	7.976−03	8.529−03	9.069−03	1.027−02	1.175−02	1.257−02	1.346−02
59	91	9.612−04	1.151−03	1.231−03	1.312−03	1.492−03	1.738−03	1.863−03	2.002−03
59	92	4.581−05	3.031−05	2.501−05	2.022−05	1.228−05	5.462−06	3.867−06	2.650−06
59	93	1.186−05	1.009−05	9.502−06	8.989−06	8.256−06	7.817−06	7.846−06	7.975−06
59	94	2.773−03	3.298−03	3.520−03	3.748−03	4.253−03	4.961−03	5.315−03	5.713−03
59	95	3.039−05	2.613−05	2.447−05	2.319−05	2.297−05	2.085−05	2.111−05	2.182−05
59	96	2.979−02	3.571−02	3.819−02	4.063−02	4.608−02	5.284−02	5.658−02	6.063−02
59	97	4.216−02	5.055−02	5.408−02	5.761−02	6.545−02	7.570−02	8.110−02	8.706−02
59	98	1.712−05	1.216−05	1.063−05	9.378−06	7.819−06	6.219−06	6.111−06	6.212−06
59	99	9.716−03	1.162−02	1.242−02	1.322−02	1.500−02	1.726−02	1.849−02	1.983−02
59	100	8.427−05	8.508−05	8.614−05	8.757−05	9.252−05	1.017−04	1.077−04	1.148−04
59	101	6.947−03	8.335−03	8.927−03	9.528−03	1.086−02	1.267−02	1.360−02	1.463−02
59	102	9.739−05	7.872−05	7.137−05	6.502−05	5.836−05	4.807−05	4.705−05	4.721−05
59	103	3.986−02	4.790−02	5.132−02	5.475−02	6.236−02	7.236−02	7.761−02	8.341−02
59	104	4.631−02	5.555−02	5.949−02	6.350−02	7.239−02	8.450−02	9.069−02	9.758−02
59	105	6.727−03	7.756−03	8.200−03	8.640−03	9.665−03	1.095−02	1.171−02	1.252−02
59	106	2.669−05	2.391−05	2.239−05	2.103−05	1.938−05	1.796−05	1.773−05	1.780−05
59	107	5.160−03	6.191−03	6.631−03	7.072−03	8.057−03	9.352−03	1.003−02	1.079−02
59	108	2.014−05	1.571−05	1.403−05	1.267−05	1.164−05	9.414−06	9.285−06	9.465−06
59	109	4.870−05	3.697−05	3.230−05	2.814−05	2.231−05	1.657−05	1.532−05	1.458−05
59	110	1.003−05	6.912−06	5.927−06	5.091−06	3.883−06	2.855−06	2.702−06	2.659−06
59	111	6.766−05	5.491−05	4.839−05	4.256−05	3.586−05	2.706−05	2.496−05	2.375−05
59	112	3.357−05	2.792−05	2.530−05	2.288−05	1.937−05	1.655−05	1.600−05	1.578−05
59	113	3.070−06	2.467−06	2.194−06	1.944−06	1.552−06	1.262−06	1.165−06	1.100−06
59	114	1.135−03	7.844−04	6.552−04	5.359−04	3.397−04	1.588−04	1.147−04	7.937−05
59	115	1.030−06	6.501−07	5.355−07	4.393−07	3.009−07	1.809−07	1.632−07	1.577−07
59	116	2.426−02	2.903−02	3.111−02	3.325−02	3.802−02	4.462−02	4.799−02	5.175−02
59	117	1.909−02	2.281−02	2.445−02	2.612−02	2.987−02	3.507−02	3.773−02	4.068−02
59	118	4.307−02	5.146−02	5.514−02	5.892−02	6.737−02	7.911−02	8.509−02	9.177−02
59	119	8.445−05	5.959−05	5.042−05	4.200−05	2.840−05	1.570−05	1.272−05	1.043−05
59	120	1.639−05	1.351−05	1.224−05	1.109−05	9.502−06	8.104−06	7.817−06	7.700−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
59	121	1.666−02	1.983−02	2.123−02	2.267−02	2.590−02	3.038−02	3.268−02	3.525−02
59	122	4.954−03	5.534−03	5.807−03	6.094−03	6.789−03	7.804−03	8.360−03	8.987−03
59	123	4.611−02	5.492−02	5.879−02	6.275−02	7.166−02	8.378−02	9.010−02	9.711−02
59	124	1.012−03	1.202−03	1.287−03	1.375−03	1.574−03	1.855−03	1.998−03	2.158−03
59	125	6.078−03	7.087−03	7.542−03	8.010−03	9.089−03	1.058−02	1.137−02	1.226−02
60	61	2.240−02	2.575−02	2.677−02	2.779−02	3.031−02	3.331−02	3.483−02	3.669−02
60	62	1.700−02	1.468−02	1.362−02	1.272−02	1.183−02	1.064−02	1.050−02	1.058−02
60	63	3.049−04	2.890−04	2.772−04	2.691−04	2.840−04	2.621−04	2.670−04	2.771−04
60	64	3.086−02	2.853−02	2.763−02	2.697−02	2.698−02	2.658−02	2.707−02	2.794−02
60	65	2.394−03	2.124−03	2.037−03	1.965−03	1.874−03	1.828−03	1.847−03	1.890−03
60	66	1.404−02	1.702−02	1.807−02	1.905−02	2.070−02	2.383−02	2.499−02	2.634−02
60	67	7.437−04	5.725−04	4.938−04	4.263−04	3.592−04	2.539−04	2.335−04	2.244−04
60	68	2.508−03	2.333−03	2.273−03	2.232−03	2.263−03	2.291−03	2.372−03	2.475−03
60	69	2.879−01	3.304−01	3.461−01	3.624−01	4.006−01	4.551−01	4.813−01	5.124−01
60	70	2.232+00	2.584+00	2.713+00	2.848+00	3.156+00	3.600+00	3.810+00	4.059+00
60	71	1.746−03	1.557−03	1.497−03	1.448−03	1.387−03	1.359−03	1.375−03	1.409−03
60	72	4.358−02	4.853−02	5.031−02	5.226−02	5.737−02	6.420−02	6.774−02	7.202−02
60	73	9.355−06	6.488−06	5.507−06	4.689−06	3.743−06	2.571−06	2.420−06	2.396−06
60	74	6.126−03	5.688−03	5.435−03	5.256−03	5.478−03	5.057−03	5.147−03	5.339−03
60	75	1.016−03	9.429−04	9.009−04	8.714−04	9.080−04	8.385−04	8.535−04	8.853−04
60	76	2.298−01	2.641−01	2.769−01	2.904−01	3.216−01	3.669−01	3.885−01	4.142−01
60	77	4.601−03	4.814−03	4.878−03	4.973−03	5.375−03	5.791−03	6.072−03	6.431−03
60	78	3.989−02	4.480−02	4.665−02	4.866−02	5.363−02	6.067−02	6.418−02	6.839−02
60	79	9.113−05	7.908−05	7.526−05	7.211−05	6.763−05	6.633−05	6.716−05	6.899−05
60	80	1.551−02	1.842−02	1.961−02	2.082−02	2.350−02	2.724−02	2.909−02	3.119−02
60	81	4.693−02	5.580−02	5.944−02	6.310−02	7.117−02	8.209−02	8.767−02	9.393−02
60	82	2.362−05	1.603−05	1.333−05	1.086−05	6.765−06	3.154−06	2.281−06	1.593−06
60	83	2.729−04	2.461−04	2.374−04	2.294−04	2.214−04	2.161−04	2.231−04	2.316−04
60	84	3.703−02	4.432−02	4.735−02	5.042−02	5.717−02	6.660−02	7.126−02	7.653−02
60	85	1.015−01	1.218−01	1.301−01	1.382−01	1.562−01	1.781−01	1.902−01	2.033−01
60	86	1.266−02	1.512−02	1.613−02	1.714−02	1.937−02	2.215−02	2.368−02	2.535−02
60	87	1.687−01	2.025−01	2.166−01	2.308−01	2.622−01	3.050−01	3.267−01	3.509−01
60	88	3.069−05	2.619−05	2.445−05	2.307−05	2.236−05	2.048−05	2.064−05	2.122−05
60	89	1.154−03	9.229−04	8.098−04	7.110−04	6.123−04	4.686−04	4.429−04	4.327−04
60	90	2.865−04	2.679−04	2.630−04	2.596−04	2.586−04	2.617−04	2.673−04	2.759−04
60	91	6.057−06	5.495−06	5.289−06	5.123−06	4.964−06	4.858−06	4.903−06	5.018−06
60	92	1.007−04	8.693−05	8.265−05	7.923−05	7.580−05	7.289−05	7.386−05	7.592−05
60	93	1.140−04	7.843−05	6.599−05	5.480−05	3.716−05	2.102−05	1.754−05	1.506−05
60	94	6.000−04	5.114−04	4.625−04	4.200−04	3.836−04	3.156−04	3.035−04	3.002−04
60	95	2.458−03	2.404−03	2.394−03	2.394−03	2.430−03	2.502−03	2.562−03	2.648−03
60	96	1.179−04	9.961−05	9.393−05	8.934−05	8.433−05	8.027−05	8.128−05	8.354−05
60	97	5.434−05	4.036−05	3.565−05	3.158−05	2.568−05	2.086−05	2.010−05	1.989−05
60	98	5.912−03	5.819−03	5.808−03	5.821−03	5.959−03	6.144−03	6.305−03	6.529−03
60	99	1.590−03	1.555−03	1.549−03	1.550−03	1.579−03	1.626−03	1.668−03	1.727−03
60	100	9.763−04	9.622−04	9.605−04	9.623−04	9.815−04	1.013−03	1.038−03	1.074−03
60	101	4.957−04	4.886−04	4.873−04	4.876−04	4.958−04	5.111−04	5.232−04	5.405−04
60	102	5.420−04	4.763−04	4.553−04	4.383−04	4.173−04	4.066−04	4.106−04	4.203−04
60	103	2.055−04	1.695−04	1.577−04	1.481−04	1.377−04	1.283−04	1.292−04	1.325−04
60	104	9.215−05	7.327−05	6.568−05	5.928−05	5.287−05	4.419−05	4.317−05	4.337−05
60	105	5.087−05	3.244−05	2.684−05	2.205−05	1.455−05	8.895−06	7.873−06	7.379−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
60	106	5.244−03	6.290−03	6.737−03	7.189−03	8.192−03	9.548−03	1.025−02	1.102−02
60	107	4.081−04	3.350−04	2.948−04	2.603−04	2.345−04	1.762−04	1.660−04	1.625−04
60	108	2.682−02	3.219−02	3.450−02	3.686−02	4.211−02	4.944−02	5.311−02	5.724−02
60	109	7.440−02	8.887−02	9.510−02	1.015−01	1.156−01	1.350−01	1.449−01	1.560−01
60	110	4.773−01	5.724−01	6.131−01	6.543−01	7.460−01	8.692−01	9.330−01	1.004+00
60	111	6.213−05	4.311−05	3.607−05	2.954−05	1.877−05	8.816−06	6.371−06	4.404−06
60	112	2.610−02	3.104−02	3.320−02	3.541−02	4.037−02	4.719−02	5.071−02	5.464−02
60	113	3.805−05	2.811−05	2.456−05	2.142−05	1.698−05	1.235−05	1.156−05	1.116−05
60	114	9.609−05	8.766−05	8.499−05	8.291−05	8.111−05	8.038−05	8.159−05	8.386−05
60	115	1.573−03	1.546−03	1.536−03	1.534−03	1.577−03	1.610−03	1.651−03	1.710−03
60	116	1.840−05	1.606−05	1.527−05	1.461−05	1.371−05	1.332−05	1.337−05	1.362−05
60	117	1.292−04	1.223−04	1.200−04	1.184−04	1.185−04	1.197−04	1.222−04	1.262−04
60	118	6.704−06	4.803−06	4.204−06	3.688−06	2.840−06	2.322−06	2.213−06	2.172−06
60	119	3.688−04	3.647−04	3.642−04	3.651−04	3.738−04	3.853−04	3.951−04	4.089−04
60	120	2.377−01	2.847−01	3.053−01	3.264−01	3.737−01	4.389−01	4.722−01	5.094−01
60	121	3.537−05	3.068−05	2.882−05	2.739−05	2.714−05	2.508−05	2.541−05	2.625−05
60	122	2.243−05	1.936−05	1.839−05	1.757−05	1.644−05	1.592−05	1.602−05	1.635−05
60	123	4.988−05	4.110−05	3.833−05	3.615−05	3.455−05	3.254−05	3.340−05	3.479−05
60	124	3.347−05	2.699−05	2.438−05	2.232−05	2.139−05	1.803−05	1.798−05	1.848−05
60	125	2.022−04	1.785−04	1.698−04	1.631−04	1.614−04	1.550−04	1.583−04	1.642−04
61	62	1.773−04	1.585−04	1.496−04	1.429−04	1.456−04	1.315−04	1.333−04	1.379−04
61	63	5.669−03	4.467−03	3.917−03	3.487−03	3.413−03	2.509−03	2.462−03	2.531−03
61	64	3.507−04	3.239−04	3.089−04	2.982−04	3.102−04	2.848−04	2.897−04	3.004−04
61	65	1.130−04	1.044−04	9.950−05	9.605−05	9.992−05	9.167−05	9.324−05	9.668−05
61	66	5.325−05	4.089−05	3.633−05	3.248−05	2.824−05	2.282−05	2.221−05	2.228−05
61	67	4.467−04	4.285−04	4.130−04	4.028−04	4.270−04	3.971−04	4.049−04	4.203−04
61	68	1.185−02	1.366−02	1.431−02	1.498−02	1.653−02	1.869−02	1.973−02	2.097−02
61	69	2.527−03	1.803−03	1.524−03	1.278−03	9.366−04	5.786−04	5.005−04	4.508−04
61	70	3.155−03	2.157−03	1.808−03	1.501−03	1.042−03	6.151−04	5.264−04	4.697−04
61	71	2.474−04	2.352−04	2.262−04	2.202−04	2.322−04	2.156−04	2.197−04	2.280−04
61	72	6.209−03	5.066−03	4.600−03	4.214−03	3.902−03	3.304−03	3.265−03	3.311−03
61	73	6.550−05	4.579−05	3.843−05	3.161−05	2.040−05	9.888−06	7.317−06	5.256−06
61	74	1.126−03	7.650−04	6.358−04	5.201−04	3.459−04	1.740−04	1.371−04	1.111−04
61	75	1.833−04	1.190−04	9.742−05	7.809−05	4.659−05	1.990−05	1.383−05	9.343−06
61	76	4.469−03	3.492−03	3.140−03	2.828−03	2.375−03	1.952−03	1.884−03	1.860−03
61	77	4.241−04	2.886−04	2.426−04	2.015−04	1.353−04	7.898−05	6.674−05	5.821−05
61	78	1.353−03	9.612−04	8.091−04	6.744−04	4.895−04	2.876−04	2.439−04	2.157−04
61	79	8.085−04	9.033−04	9.385−04	9.754−04	1.059−03	1.197−03	1.263−03	1.341−03
61	80	2.201−04	1.844−04	1.733−04	1.642−04	1.527−04	1.440−04	1.451−04	1.485−04
61	81	7.776−05	6.478−05	6.081−05	5.752−05	5.327−05	5.033−05	5.071−05	5.188−05
61	82	2.928−05	2.230−05	1.947−05	1.723−05	1.646−05	1.223−05	1.203−05	1.241−05
61	83	4.683−05	3.542−05	3.087−05	2.726−05	2.585−05	1.913−05	1.882−05	1.939−05
61	84	6.083−05	5.369−05	5.126−05	4.926−05	4.694−05	4.557−05	4.594−05	4.696−05
61	85	1.112−04	8.882−05	8.133−05	7.481−05	6.341−05	6.085−05	6.031−05	6.063−05
61	86	2.073−04	1.986−04	1.939−04	1.901−04	1.883−04	1.867−04	1.888−04	1.933−04
61	87	6.796−05	4.988−05	4.378−05	3.850−05	3.106−05	2.428−05	2.323−05	2.291−05
61	88	2.030−06	1.812−06	1.702−06	1.615−06	1.629−06	1.448−06	1.460−06	1.503−06
61	89	2.041−02	2.444−02	2.613−02	2.784−02	3.163−02	3.690−02	3.952−02	4.247−02
61	90	1.328−02	1.590−02	1.699−02	1.809−02	2.052−02	2.376−02	2.543−02	2.729−02
61	91	1.699−06	1.635−06	1.578−06	1.540−06	1.633−06	1.524−06	1.553−06	1.612−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
61	92	9.027−03	1.070−02	1.140−02	1.210−02	1.367−02	1.572−02	1.682−02	1.803−02
61	93	1.814−05	1.443−05	1.276−05	1.146−05	1.134−05	8.670−06	8.574−06	8.851−06
61	94	1.717−04	1.643−04	1.587−04	1.549−04	1.631−04	1.532−04	1.561−04	1.620−04
61	95	8.063−02	9.679−02	1.036−01	1.104−01	1.254−01	1.455−01	1.559−01	1.674−01
61	96	4.473−03	5.360−03	5.732−03	6.102−03	6.924−03	7.988−03	8.554−03	9.176−03
61	97	2.464−05	2.219−05	2.103−05	2.014−05	2.039−05	1.863−05	1.886−05	1.946−05
61	98	1.257−02	1.493−02	1.592−02	1.689−02	1.907−02	2.174−02	2.325−02	2.489−02
61	99	1.075−02	1.285−02	1.374−02	1.464−02	1.663−02	1.932−02	2.070−02	2.224−02
61	100	8.667−06	7.129−06	6.596−06	6.166−06	5.811−06	5.231−06	5.256−06	5.392−06
61	101	1.042−05	9.798−06	9.435−06	9.179−06	9.537−06	8.991−06	9.160−06	9.492−06
61	102	1.188−01	1.418−01	1.517−01	1.615−01	1.836−01	2.129−01	2.282−01	2.452−01
61	103	2.261−01	2.711−01	2.902−01	3.096−01	3.525−01	4.107−01	4.406−01	4.738−01
61	104	1.829−05	1.707−05	1.635−05	1.583−05	1.651−05	1.529−05	1.556−05	1.613−05
61	105	3.429−05	2.603−05	2.287−05	2.004−05	1.610−05	1.163−05	1.082−05	1.036−05
61	106	2.186−05	1.637−05	1.420−05	1.238−05	1.070−05	7.774−06	7.408−06	7.371−06
61	107	1.657−05	1.609−05	1.563−05	1.534−05	1.620−05	1.539−05	1.571−05	1.629−05
61	108	7.208−05	5.727−05	5.146−05	4.638−05	3.977−05	3.304−05	3.186−05	3.149−05
61	109	5.611−05	4.594−05	4.072−05	3.601−05	2.997−05	2.353−05	2.175−05	2.064−05
61	110	5.562−05	3.755−05	3.132−05	2.583−05	1.759−05	1.017−05	8.618−06	7.629−06
61	111	3.818−06	2.835−06	2.445−06	2.117−06	1.817−06	1.255−06	1.185−06	1.172−06
61	112	1.281−04	1.214−04	1.173−04	1.139−04	1.125−04	1.090−04	1.097−04	1.120−04
61	113	1.356−05	9.512−06	8.018−06	6.700−06	4.925−06	2.889−06	2.505−06	2.274−06
61	114	8.906−02	1.066−01	1.142−01	1.220−01	1.393−01	1.630−01	1.753−01	1.888−01
61	115	1.054−02	1.171−02	1.225−02	1.282−02	1.422−02	1.623−02	1.736−02	1.863−02
61	116	1.416−04	9.838−05	8.241−05	6.767−05	4.354−05	2.110−05	1.566−05	1.133−05
61	117	5.755−04	5.929−04	6.046−04	6.189−04	6.627−04	7.401−04	7.868−04	8.416−04
61	118	8.894−07	8.034−07	7.690−07	7.433−07	7.470−07	7.090−07	7.205−07	7.443−07
61	119	1.728−01	2.063−01	2.209−01	2.358−01	2.694−01	3.154−01	3.391−01	3.655−01
61	120	2.375−05	1.735−05	1.493−05	1.279−05	9.832−06	6.734−06	6.118−06	5.757−06
61	121	7.913−07	7.256−07	6.925−07	6.681−07	6.866−07	6.373−07	6.477−07	6.705−07
61	122	2.316−04	1.617−04	1.358−04	1.118−04	7.297−05	3.638−05	2.760−05	2.067−05
61	123	1.144−01	1.365−01	1.462−01	1.562−01	1.787−01	2.103−01	2.263−01	2.442−01
61	124	8.205−04	5.636−04	4.696−04	3.831−04	2.413−04	1.112−04	7.961−05	5.448−05
61	125	1.330−03	1.065−03	9.734−04	8.917−04	7.744−04	6.985−04	7.023−04	7.197−04
62	63	3.775−04	4.117−04	4.212−04	4.321−04	4.670−04	5.045−04	5.273−04	5.559−04
62	64	2.513−02	2.394−02	2.363−02	2.346−02	2.371−02	2.416−02	2.476−02	2.563−02
62	65	1.657−03	1.393−03	1.269−03	1.169−03	1.122−03	1.004−03	1.014−03	1.044−03
62	66	1.203−02	1.459−02	1.547−02	1.630−02	1.771−02	2.031−02	2.128−02	2.241−02
62	67	2.221−03	2.000−03	1.923−03	1.859−03	1.781−03	1.737−03	1.753−03	1.792−03
62	68	1.937−03	1.493−03	1.344−03	1.213−03	1.015−03	8.524−04	8.295−04	8.245−04
62	69	1.010−01	1.146−01	1.194−01	1.246−01	1.372−01	1.543−01	1.629−01	1.732−01
62	70	5.824−03	4.669−03	4.266−03	3.947−03	3.731−03	3.244−03	3.259−03	3.356−03
62	71	1.006−03	8.487−04	7.817−04	7.295−04	7.272−04	6.854−04	7.188−04	7.610−04
62	72	2.093−02	2.222−02	2.262−02	2.314−02	2.506−02	2.713−02	2.846−02	3.013−02
62	73	4.580−05	3.893−05	3.698−05	3.540−05	3.336−05	3.263−05	3.319−05	3.421−05
62	74	5.167−02	5.954−02	6.248−02	6.554−02	7.254−02	8.273−02	8.758−02	9.332−02
62	75	3.200−02	3.711−02	3.901−02	4.098−02	4.547−02	5.200−02	5.508−02	5.873−02
62	76	1.309+00	1.516+00	1.593+00	1.673+00	1.855+00	2.120+00	2.245+00	2.392+00
62	77	9.142−03	1.041−02	1.088−02	1.138−02	1.257−02	1.430−02	1.513−02	1.612−02
62	78	2.975−01	3.443−01	3.618−01	3.800−01	4.217−01	4.822−01	5.109−01	5.448−01

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
62	79	6.113−05	4.733−05	4.234−05	3.804−05	3.229−05	2.670−05	2.579−05	2.560−05
62	80	2.364−03	2.743−03	2.896−03	3.052−03	3.421−03	3.884−03	4.137−03	4.422−03
62	81	1.507−01	1.799−01	1.918−01	2.040−01	2.306−01	2.680−01	2.864−01	3.072−01
62	82	1.720−02	2.054−02	2.191−02	2.328−02	2.630−02	3.032−02	3.238−02	3.469−02
62	83	1.628−01	1.947−01	2.078−01	2.211−01	2.503−01	2.912−01	3.113−01	3.341−01
62	84	5.118−04	5.298−04	5.414−04	5.546−04	5.927−04	6.577−04	6.979−04	7.435−04
62	85	2.662−04	1.780−04	1.484−04	1.221−04	8.007−05	4.370−05	3.594−05	3.058−05
62	86	1.078−01	1.294−01	1.383−01	1.473−01	1.671−01	1.937−01	2.072−01	2.223−01
62	87	3.896−02	4.665−02	4.980−02	5.282−02	5.957−02	6.728−02	7.183−02	7.665−02
62	88	2.670−03	2.599−03	2.583−03	2.577−03	2.605−03	2.676−03	2.738−03	2.827−03
62	89	1.146−03	8.136−04	6.856−04	5.705−04	4.036−04	2.318−04	1.928−04	1.656−04
62	90	8.704−04	7.801−04	7.560−04	7.381−04	7.225−04	7.218−04	7.365−04	7.604−04
62	91	1.636−03	1.603−03	1.598−03	1.600−03	1.627−03	1.678−03	1.720−03	1.779−03
62	92	4.495−03	4.372−03	4.348−03	4.342−03	4.396−03	4.521−03	4.630−03	4.785−03
62	93	1.879−02	2.240−02	2.394−02	2.552−02	2.902−02	3.415−02	3.662−02	3.943−02
62	94	1.828−03	1.524−03	1.375−03	1.248−03	1.148−03	9.533−04	9.284−04	9.297−04
62	95	1.695−03	1.653−03	1.646−03	1.645−03	1.671−03	1.719−03	1.761−03	1.821−03
62	96	5.396−03	5.309−03	5.299−03	5.308−03	5.410−03	5.583−03	5.723−03	5.920−03
62	97	2.911−04	2.186−04	1.930−04	1.712−04	1.428−04	1.161−04	1.126−04	1.123−04
62	98	1.312−04	7.842−05	6.288−05	4.976−05	2.960−05	1.386−05	1.131−05	1.016−05
62	99	9.022−05	5.397−05	4.334−05	3.422−05	1.923−05	8.542−06	6.564−06	5.430−06
62	100	5.518−04	5.258−04	5.196−04	5.164−04	5.230−04	5.351−04	5.493−04	5.694−04
62	101	3.281−05	2.268−05	1.975−05	1.729−05	1.354−05	1.090−05	1.063−05	1.070−05
62	102	5.292−03	5.267−03	5.274−03	5.300−03	5.446−03	5.632−03	5.782−03	5.988−03
62	103	1.161−03	1.119−03	1.107−03	1.099−03	1.105−03	1.126−03	1.150−03	1.186−03
62	104	6.053−04	5.929−04	5.891−04	5.872−04	5.927−04	6.071−04	6.200−04	6.392−04
62	105	1.582−03	1.552−03	1.547−03	1.548−03	1.577−03	1.625−03	1.667−03	1.725−03
62	106	8.127−04	9.500−04	1.011−03	1.076−03	1.222−03	1.449−03	1.557−03	1.682−03
62	107	5.030−04	4.179−04	3.876−04	3.618−04	3.310−04	2.996−04	2.985−04	3.027−04
62	108	3.741−03	4.402−03	4.692−03	5.001−03	5.694−03	6.770−03	7.280−03	7.867−03
62	109	2.449−01	2.940−01	3.150−01	3.364−01	3.838−01	4.484−01	4.815−01	5.183−01
62	110	7.454−04	5.116−04	4.266−04	3.485−04	2.201−04	1.028−04	7.446−05	5.203−05
62	111	2.501−02	2.990−02	3.201−02	3.415−02	3.893−02	4.552−02	4.888−02	5.263−02
62	112	3.233−02	3.859−02	4.129−02	4.400−02	5.009−02	5.802−02	6.227−02	6.694−02
62	113	8.714−03	1.045−02	1.121−02	1.200−02	1.375−02	1.625−02	1.749−02	1.888−02
62	114	1.829−04	1.616−04	1.509−04	1.424−04	1.398−04	1.271−04	1.274−04	1.304−04
62	115	2.120−05	1.418−05	1.189−05	9.985−06	7.684−06	4.993−06	4.659−06	4.610−06
62	116	5.977−05	5.791−05	5.751−05	5.735−05	5.797−05	5.944−05	6.087−05	6.291−05
62	117	1.547−04	1.509−04	1.499−04	1.497−04	1.526−04	1.564−04	1.603−04	1.659−04
62	118	1.667−05	1.346−05	1.201−05	1.082−05	1.013−05	7.962−06	7.789−06	7.890−06
62	119	6.178−04	6.223−04	6.244−04	6.285−04	6.472−04	6.699−04	6.872−04	7.111−04
62	120	1.805−01	2.162−01	2.317−01	2.476−01	2.831−01	3.315−01	3.565−01	3.842−01
62	121	1.477−05	1.345−05	1.297−05	1.259−05	1.226−05	1.196−05	1.209−05	1.240−05
62	122	2.608−04	2.499−04	2.470−04	2.455−04	2.491−04	2.548−04	2.623−04	2.724−04
62	123	3.504−04	3.523−04	3.532−04	3.552−04	3.663−04	3.786−04	3.884−04	4.021−04
62	124	1.696−04	1.685−04	1.686−04	1.692−04	1.732−04	1.794−04	1.842−04	1.908−04
62	125	3.268−04	3.215−04	3.186−04	3.174−04	3.265−04	3.315−04	3.396−04	3.515−04
63	64	3.973−02	4.578−02	4.767−02	4.958−02	5.422−02	5.993−02	6.279−02	6.626−02
63	65	4.682−04	5.373−04	5.596−04	5.824−04	6.377−04	7.081−04	7.433−04	7.858−04
63	66	1.285−04	1.212−04	1.197−04	1.189−04	1.187−04	1.218−04	1.248−04	1.291−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
63	67	2.327−03	2.677−03	2.799−03	2.924−03	3.215−03	3.618−03	3.812−03	4.043−03
63	68	4.938−05	4.666−05	4.478−05	4.350−05	4.583−05	4.237−05	4.316−05	4.480−05
63	69	3.719−04	3.089−04	2.739−04	2.444−04	2.245−04	1.740−04	1.660−04	1.642−04
63	70	1.478−03	9.929−04	8.215−04	6.680−04	4.305−04	2.065−04	1.572−04	1.217−04
63	71	9.418−06	1.513−05	1.749−05	1.923−05	1.725−05	2.487−05	2.507−05	2.507−05
63	72	9.922−04	8.598−04	8.102−04	7.703−04	7.444−04	6.905−04	6.970−04	7.157−04
63	73	3.337−03	3.860−03	4.050−03	4.248−03	4.701−03	5.347−03	5.655−03	6.020−03
63	74	1.403−05	8.833−06	7.227−06	5.853−06	3.777−06	2.115−06	1.842−06	1.709−06
63	75	1.845−05	1.387−05	1.214−05	1.064−05	8.950−06	6.879−06	6.681−06	6.667−06
63	76	2.592−03	2.127−03	1.912−03	1.734−03	1.603−03	1.320−03	1.290−03	1.299−03
63	77	6.075−05	4.289−05	3.707−05	3.195−05	2.398−05	1.713−05	1.592−05	1.528−05
63	78	3.575−04	2.354−04	1.940−04	1.568−04	9.557−05	4.373−05	3.169−05	2.267−05
63	79	6.469−05	5.272−05	4.780−05	4.358−05	3.960−05	3.229−05	3.161−05	3.174−05
63	80	1.104−04	9.266−05	8.362−05	7.622−05	7.260−05	5.990−05	5.876−05	5.945−05
63	81	1.775−05	1.193−05	1.009−05	8.510−06	6.240−06	4.189−06	3.874−06	3.752−06
63	82	4.285−05	4.146−05	4.069−05	3.991−05	3.693−05	4.128−05	4.177−05	4.234−05
63	83	4.599−05	3.956−05	3.758−05	3.590−05	3.351−05	3.211−05	3.237−05	3.307−05
63	84	2.361−05	1.991−05	1.788−05	1.604−05	1.354−05	1.137−05	1.066−05	1.022−05
63	85	9.606−06	6.053−06	4.936−06	3.956−06	2.353−06	1.077−06	8.126−07	6.350−07
63	86	3.349−05	3.205−05	3.171−05	3.150−05	3.157−05	3.227−05	3.303−05	3.411−05
63	87	1.682−05	1.342−05	1.223−05	1.128−05	1.064−05	9.260−06	9.309−06	9.595−06
63	88	1.786−03	2.128−03	2.271−03	2.419−03	2.743−03	3.207−03	3.434−03	3.691−03
63	89	6.779−06	6.005−06	5.663−06	5.405−06	5.479−06	4.972−06	5.040−06	5.216−06
63	90	2.707−05	2.401−05	2.272−05	2.175−05	2.193−05	2.021−05	2.051−05	2.122−05
63	91	1.169−03	1.401−03	1.498−03	1.595−03	1.809−03	2.092−03	2.239−03	2.403−03
63	92	1.160−05	6.455−06	5.044−06	3.854−06	1.825−06	5.574−07	3.343−07	2.217−07
63	93	4.010−05	3.579−05	3.376−05	3.173−05	2.753−05	2.823−05	2.881−05	2.945−05
63	94	5.209−04	6.199−04	6.618−04	7.046−04	7.989−04	9.328−04	9.988−04	1.074−03
63	95	1.435−06	9.395−07	8.006−07	6.852−07	5.039−07	3.854−07	3.710−07	3.719−07
63	96	4.444−05	3.927−05	3.706−05	3.537−05	3.568−05	3.258−05	3.304−05	3.418−05
63	97	3.389−04	3.587−04	3.676−04	3.745−04	3.980−04	4.092−04	4.321−04	4.532−04
63	98	4.498−07	2.546−07	1.995−07	1.528−07	7.441−08	2.238−08	1.264−08	7.267−09
63	99	7.429−06	6.365−06	5.971−06	5.665−06	5.562−06	5.107−06	5.170−06	5.337−06
63	100	1.237−05	1.384−05	1.453−05	1.527−05	1.702−05	1.973−05	2.114−05	2.273−05
63	101	1.086−03	1.288−03	1.374−03	1.461−03	1.654−03	1.910−03	2.045−03	2.195−03
63	102	2.005−06	1.341−06	1.146−06	9.807−07	7.098−07	5.379−07	5.089−07	4.995−07
63	103	3.629−05	2.626−05	2.258−05	1.923−05	1.395−05	9.000−06	7.903−06	7.122−06
63	104	9.800−03	1.163−02	1.242−02	1.320−02	1.495−02	1.725−02	1.848−02	1.984−02
63	105	7.300−02	8.759−02	9.376−02	9.991−02	1.136−01	1.314−01	1.408−01	1.512−01
63	106	9.360−06	7.543−06	6.655−06	5.909−06	5.436−06	4.094−06	3.924−06	3.915−06
63	107	1.083−02	1.297−02	1.389−02	1.483−02	1.690−02	1.976−02	2.120−02	2.282−02
63	108	4.919−06	3.696−06	3.351−06	3.053−06	2.500−06	2.270−06	2.244−06	2.255−06
63	109	4.654−05	3.846−05	3.503−05	3.204−05	2.842−05	2.466−05	2.405−05	2.397−05
63	110	2.174−06	1.434−06	1.198−06	1.002−06	7.569−07	4.859−07	4.523−07	4.475−07
63	111	1.305−05	9.466−06	8.224−06	7.097−06	5.155−06	3.930−06	3.667−06	3.497−06
63	112	2.538−05	1.818−05	1.558−05	1.325−05	9.572−06	6.429−06	5.711−06	5.218−06
63	113	2.733−06	2.400−06	2.220−06	2.036−06	1.706−06	1.576−06	1.596−06	1.623−06
63	114	3.821−06	3.464−06	3.301−06	3.181−06	3.255−06	3.029−06	3.081−06	3.193−06
63	115	8.482−07	4.848−07	3.813−07	2.930−07	1.442−07	4.500−08	2.627−08	1.539−08
63	116	2.469−03	2.957−03	3.167−03	3.378−03	3.852−03	4.469−03	4.799−03	5.161−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
63	117	8.009−05	5.597−05	4.704−05	3.882−05	2.550−05	1.297−05	9.987−06	7.650−06
63	118	1.932−03	2.291−03	2.448−03	2.609−03	2.971−03	3.474−03	3.733−03	4.022−03
63	119	5.837−06	5.526−06	5.335−06	5.203−06	5.420−06	5.136−06	5.235−06	5.426−06
63	120	3.980−06	3.036−06	2.628−06	2.250−06	1.649−06	1.142−06	9.930−07	8.776−07
63	121	1.325−02	1.585−02	1.698−02	1.815−02	2.076−02	2.438−02	2.623−02	2.828−02
63	122	4.432−02	5.286−02	5.660−02	6.041−02	6.899−02	8.070−02	8.677−02	9.352−02
63	123	1.114−03	7.695−04	6.424−04	5.252−04	3.327−04	1.552−04	1.119−04	7.736−05
63	124	3.945−03	4.718−03	5.058−03	5.405−03	6.186−03	7.242−03	7.793−03	8.402−03
63	125	1.213−04	8.294−05	6.899−05	5.618−05	3.528−05	1.621−05	1.160−05	7.958−06
64	65	7.861−04	6.609−04	6.263−04	5.979−04	5.565−04	5.395−04	5.460−04	5.601−04
64	66	2.758−02	3.154−02	3.274−02	3.397−02	3.711−02	4.082−02	4.275−02	4.510−02
64	67	2.985−04	2.722−04	2.588−04	2.498−04	2.606−04	2.617−04	2.745−04	2.902−04
64	68	1.767−03	1.494−03	1.378−03	1.282−03	1.201−03	1.070−03	1.063−03	1.078−03
64	69	6.307−03	5.829−03	5.558−03	5.367−03	5.588−03	5.137−03	5.227−03	5.421−03
64	70	3.556−03	2.910−03	2.675−03	2.490−03	2.393−03	2.095−03	2.108−03	2.173−03
64	71	6.679−04	5.922−04	5.675−04	5.463−04	5.168−04	5.004−04	5.047−04	5.152−04
64	72	9.980−02	1.151−01	1.205−01	1.261−01	1.392−01	1.574−01	1.661−01	1.765−01
64	73	6.646−04	6.452−04	6.424−04	6.424−04	6.520−04	6.726−04	6.900−04	7.141−04
64	74	1.176−01	1.358−01	1.424−01	1.493−01	1.650−01	1.875−01	1.981−01	2.108−01
64	75	1.487−03	1.638−03	1.696−03	1.760−03	1.916−03	2.159−03	2.277−03	2.421−03
64	76	3.154−03	2.848−03	2.702−03	2.597−03	2.670−03	2.448−03	2.490−03	2.582−03
64	77	5.620−02	6.487−02	6.808−02	7.141−02	7.907−02	9.014−02	9.539−02	1.016−01
64	78	6.749−01	7.814−01	8.206−01	8.611−01	9.539−01	1.087+00	1.151+00	1.225+00
64	79	1.073−03	1.035−03	1.028−03	1.026−03	1.041−03	1.069−03	1.097−03	1.136−03
64	80	2.677−04	2.447−04	2.329−04	2.245−04	2.319−04	2.135−04	2.172−04	2.252−04
64	81	2.012−04	1.305−04	1.073−04	8.673−05	5.301−05	2.550−05	1.947−05	1.517−05
64	82	4.284−02	5.122−02	5.462−02	5.805−02	6.556−02	7.591−02	8.105−02	8.686−02
64	83	8.092−02	9.698−02	1.035−01	1.101−01	1.245−01	1.441−01	1.539−01	1.649−01
64	84	3.992−02	4.790−02	5.116−02	5.444−02	6.162−02	7.139−02	7.629−02	8.180−02
64	85	4.015−05	2.910−05	2.569−05	2.291−05	1.971−05	1.612−05	1.597−05	1.633−05
64	86	1.527−03	1.787−03	1.891−03	1.981−03	2.197−03	2.359−03	2.507−03	2.647−03
64	87	1.071−04	8.512−05	7.655−05	6.910−05	6.075−05	4.875−05	4.734−05	4.719−05
64	88	6.801−04	6.602−04	6.564−04	6.552−04	6.630−04	6.819−04	6.983−04	7.218−04
64	89	1.896−04	1.581−04	1.398−04	1.237−04	1.097−04	8.340−05	7.780−05	7.519−05
64	90	6.064−04	5.892−04	5.858−04	5.847−04	5.912−04	6.079−04	6.223−04	6.429−04
64	91	2.391−05	1.367−05	1.075−05	8.272−06	4.122−06	1.347−06	8.358−07	5.486−07
64	92	7.608−05	4.400−05	3.475−05	2.687−05	1.382−05	4.757−06	3.084−06	2.135−06
64	93	3.130−02	3.748−02	4.004−02	4.256−02	4.816−02	5.519−02	5.901−02	6.319−02
64	94	2.399−04	1.661−04	1.396−04	1.156−04	7.841−05	4.429−05	3.645−05	3.085−05
64	95	1.710−05	1.125−05	9.384−06	7.848−06	6.050−06	3.906−06	3.674−06	3.680−06
64	96	6.833−04	6.565−04	6.510−04	6.484−04	6.545−04	6.713−04	6.875−04	7.109−04
64	97	1.054−03	1.034−03	1.032−03	1.033−03	1.050−03	1.083−03	1.110−03	1.148−03
64	98	1.634−05	1.042−05	8.601−06	7.099−06	5.171−06	3.188−06	2.953−06	2.933−06
64	99	2.809−04	2.739−04	2.719−04	2.708−04	2.734−04	2.796−04	2.855−04	2.945−04
64	100	3.837−05	3.456−05	3.331−05	3.240−05	3.231−05	3.163−05	3.229−05	3.341−05
64	101	3.212−05	2.861−05	2.761−05	2.687−05	2.658−05	2.699−05	2.803−05	2.932−05
64	102	2.484−05	1.867−05	1.626−05	1.433−05	1.340−05	9.945−06	9.755−06	1.002−05
64	103	1.008−03	9.956−04	9.941−04	9.968−04	1.023−03	1.054−03	1.082−03	1.121−03
64	104	7.478−05	6.543−05	6.264−05	6.045−05	5.874−05	5.866−05	6.053−05	6.303−05
64	105	5.763−04	5.685−04	5.672−04	5.682−04	5.824−04	5.992−04	6.147−04	6.365−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
64	106	6.314−03	7.577−03	8.117−03	8.671−03	9.897−03	1.163−02	1.249−02	1.346−02
64	107	6.716−05	5.111−05	4.557−05	4.066−05	3.303−05	2.830−05	2.778−05	2.778−05
64	108	1.688−05	1.193−05	1.029−05	8.865−06	6.800−06	4.850−06	4.539−06	4.403−06
64	109	3.274−04	2.262−04	1.890−04	1.548−04	9.865−05	4.683−05	3.426−05	2.429−05
64	110	1.108−05	7.833−06	6.868−06	6.081−06	5.098−06	4.148−06	4.102−06	4.193−06
64	111	8.425−02	1.013−01	1.085−01	1.158−01	1.321−01	1.540−01	1.653−01	1.778−01
64	112	1.559−01	1.867−01	2.001−01	2.136−01	2.439−01	2.852−01	3.064−01	3.300−01
64	113	4.896−03	5.852−03	6.269−03	6.697−03	7.651−03	8.984−03	9.657−03	1.041−02
64	114	9.033−06	6.272−06	5.326−06	4.540−06	3.694−06	2.509−06	2.374−06	2.368−06
64	115	1.161−05	7.312−06	6.013−06	4.936−06	3.479−06	2.105−06	1.932−06	1.903−06
64	116	1.803−05	1.533−05	1.392−05	1.277−05	1.227−05	1.018−05	9.999−06	1.013−05
64	117	3.742−05	3.520−05	3.438−05	3.375−05	3.345−05	3.332−05	3.384−05	3.478−05
64	118	3.592−05	3.281−05	3.197−05	3.137−05	3.125−05	3.182−05	3.288−05	3.427−05
64	119	9.159−06	6.679−06	5.778−06	5.056−06	4.558−06	3.369−06	3.295−06	3.377−06
64	120	4.502−02	5.390−02	5.777−02	6.170−02	7.051−02	8.249−02	8.867−02	9.553−02
64	121	7.446−05	6.699−05	6.470−05	6.301−05	6.261−05	6.241−05	6.435−05	6.704−05
64	122	1.083−05	8.449−06	7.457−06	6.618−06	5.856−06	4.495−06	4.319−06	4.305−06
64	123	1.460−04	1.367−04	1.322−04	1.289−04	1.308−04	1.273−04	1.296−04	1.339−04
64	124	1.713−05	1.358−05	1.255−05	1.172−05	1.065−05	9.900−06	9.973−06	1.023−05
64	125	1.951−04	1.919−04	1.910−04	1.911−04	1.959−04	2.011−04	2.063−04	2.136−04
65	66	2.925−02	3.360−02	3.489−02	3.619−02	3.940−02	4.313−02	4.506−02	4.741−02
65	67	2.524−03	1.927−03	1.707−03	1.522−03	1.312−03	1.069−03	1.040−03	1.042−03
65	68	1.321−02	9.770−03	8.345−03	7.087−03	5.496−03	3.561−03	3.157−03	2.914−03
65	69	8.609−03	9.776−03	1.017−02	1.058−02	1.160−02	1.294−02	1.361−02	1.443−02
65	70	7.730−04	6.786−04	6.378−04	6.073−04	6.139−04	5.548−04	5.626−04	5.825−04
65	71	5.817−03	4.224−03	3.623−03	3.093−03	2.367−03	1.602−03	1.453−03	1.366−03
65	72	6.970−04	6.689−04	6.524−04	6.429−04	6.726−04	6.663−04	6.870−04	7.190−04
65	73	2.816−04	2.627−04	2.569−04	2.524−04	2.480−04	2.516−04	2.571−04	2.652−04
65	74	5.191−02	6.002−02	6.291−02	6.589−02	7.277−02	8.238−02	8.699−02	9.247−02
65	75	4.938−01	5.710−01	5.987−01	6.274−01	6.934−01	7.863−01	8.307−01	8.835−01
65	76	7.538−02	8.705−02	9.123−02	9.556−02	1.055−01	1.196−01	1.263−01	1.343−01
65	77	7.821−01	9.055−01	9.505−01	9.971−01	1.104+00	1.256+00	1.329+00	1.415+00
65	78	1.017−01	1.177−01	1.235−01	1.294−01	1.432−01	1.627−01	1.720−01	1.830−01
65	79	5.592−04	4.796−04	4.475−04	4.199−04	3.867−04	3.542−04	3.508−04	3.539−04
65	80	3.135−01	3.636−01	3.823−01	4.016−01	4.456−01	5.093−01	5.394−01	5.750−01
65	81	1.919+00	2.231+00	2.348+00	2.471+00	2.749+00	3.157+00	3.349+00	3.575+00
65	82	2.058−01	2.391−01	2.517−01	2.650−01	2.948−01	3.389−01	3.596−01	3.841−01
65	83	3.319−01	3.955−01	4.214−01	4.477−01	5.053−01	5.862−01	6.258−01	6.708−01
65	84	3.784−02	4.499−02	4.793−02	5.092−02	5.747−02	6.672−02	7.126−02	7.642−02
65	85	2.730−04	1.734−04	1.432−04	1.173−04	7.620−05	4.516−05	3.965−05	3.672−05
65	86	3.189−01	3.809−01	4.065−01	4.326−01	4.897−01	5.704−01	6.099−01	6.548−01
65	87	1.835−03	2.040−03	2.134−03	2.225−03	2.445−03	2.705−03	2.877−03	3.059−03
65	88	1.928−02	1.866−02	1.853−02	1.849−02	1.870−02	1.923−02	1.970−02	2.036−02
65	89	1.288−02	9.935−03	8.604−03	7.430−03	6.081−03	4.265−03	3.886−03	3.677−03
65	90	2.868−02	2.807−02	2.798−02	2.800−02	2.847−02	2.937−02	3.010−02	3.114−02
65	91	1.533−02	1.501−02	1.497−02	1.499−02	1.525−02	1.573−02	1.613−02	1.668−02
65	92	6.784−02	6.671−02	6.659−02	6.672−02	6.794−02	7.016−02	7.192−02	7.439−02
65	93	1.345−02	1.597−02	1.704−02	1.813−02	2.055−02	2.403−02	2.573−02	2.767−02
65	94	4.984−03	4.373−03	4.166−03	3.992−03	3.784−03	3.621−03	3.650−03	3.730−03
65	95	6.177−04	4.850−04	4.479−04	4.175−04	3.739−04	3.490−04	3.514−04	3.601−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
65	96	2.485−02	2.402−02	2.386−02	2.381−02	2.414−02	2.480−02	2.542−02	2.630−02
65	97	1.157−02	1.116−02	1.107−02	1.104−02	1.114−02	1.143−02	1.171−02	1.210−02
65	98	2.347−04	1.345−04	1.058−04	8.143−05	4.080−05	1.317−05	8.073−06	5.190−06
65	99	1.852−03	1.650−03	1.594−03	1.551−03	1.512−03	1.500−03	1.528−03	1.577−03
65	100	2.772−03	2.682−03	2.665−03	2.659−03	2.699−03	2.775−03	2.846−03	2.945−03
65	101	5.389−04	5.046−04	4.949−04	4.879−04	4.830−04	4.879−04	4.974−04	5.123−04
65	102	5.357−04	4.155−04	3.820−04	3.545−04	3.132−04	2.902−04	2.915−04	2.982−04
65	103	3.973−03	3.582−03	3.475−03	3.396−03	3.335−03	3.332−03	3.400−03	3.511−03
65	104	8.506−04	7.524−04	7.186−04	6.898−04	6.519−04	6.283−04	6.319−04	6.440−04
65	105	6.020−04	4.401−04	3.945−04	3.564−04	2.964−04	2.605−04	2.584−04	2.622−04
65	106	2.841−03	3.356−03	3.580−03	3.817−03	4.343−03	5.147−03	5.529−03	5.968−03
65	107	2.028−03	1.526−03	1.347−03	1.188−03	9.595−04	7.426−04	7.047−04	6.870−04
65	108	8.597−03	1.031−02	1.104−02	1.178−02	1.341−02	1.560−02	1.673−02	1.798−02
65	109	3.195−02	3.834−02	4.108−02	4.387−02	5.006−02	5.869−02	6.301−02	6.785−02
65	110	9.654−05	6.551−05	5.445−05	4.433−05	2.772−05	1.283−05	9.281−06	6.505−06
65	111	8.567−03	1.028−02	1.101−02	1.176−02	1.342−02	1.575−02	1.692−02	1.822−02
65	112	7.525−03	9.012−03	9.652−03	1.030−02	1.174−02	1.365−02	1.465−02	1.576−02
65	113	5.220−04	6.208−04	6.637−04	7.068−04	8.036−04	9.312−04	9.991−04	1.074−03
65	114	1.848−04	1.815−04	1.810−04	1.813−04	1.846−04	1.903−04	1.951−04	2.017−04
65	115	1.241−05	8.524−06	7.211−06	6.131−06	4.998−06	3.394−06	3.227−06	3.242−06
65	116	4.356−05	3.712−05	3.511−05	3.353−05	3.223−05	3.139−05	3.219−05	3.343−05
65	117	1.520−04	1.385−04	1.347−04	1.320−04	1.304−04	1.305−04	1.333−04	1.376−04
65	118	1.188−05	1.035−05	9.694−06	9.129−06	8.571−06	7.809−06	7.755−06	7.849−06
65	119	5.959−05	4.013−05	3.446−05	2.965−05	2.196−05	1.681−05	1.607−05	1.592−05
65	120	1.407−02	1.685−02	1.806−02	1.929−02	2.204−02	2.576−02	2.768−02	2.982−02
65	121	2.773−05	2.463−05	2.359−05	2.271−05	2.160−05	2.096−05	2.114−05	2.159−05
65	122	7.146−05	6.755−05	6.652−05	6.588−05	6.641−05	6.780−05	6.972−05	7.235−05
65	123	3.119−05	2.043−05	1.729−05	1.465−05	1.059−05	7.635−06	7.244−06	7.174−06
65	124	2.005−05	1.420−05	1.248−05	1.104−05	8.808−06	7.288−06	7.129−06	7.169−06
65	125	3.151−05	3.012−05	2.958−05	2.922−05	2.957−05	2.973−05	3.038−05	3.138−05
66	67	8.869−04	9.345−04	9.477−04	9.658−04	1.037−03	1.117−03	1.169−03	1.236−03
66	68	9.808−05	3.948−04	5.205−04	6.171−04	5.668−04	9.184−04	9.359−04	9.414−04
66	69	1.504−04	1.221−04	1.114−04	1.029−04	9.681−05	8.360−05	8.334−05	8.526−05
66	70	6.867−04	5.677−04	5.052−04	4.528−04	4.179−04	3.301−04	3.174−04	3.162−04
66	71	1.309−02	1.546−02	1.633−02	1.719−02	1.891−02	2.169−02	2.287−02	2.427−02
66	72	2.073−04	1.816−04	1.736−04	1.677−04	1.651−04	1.602−04	1.634−04	1.692−04
66	73	2.696−01	3.065−01	3.194−01	3.329−01	3.661−01	4.105−01	4.327−01	4.593−01
66	74	1.545−04	1.383−04	1.329−04	1.285−04	1.238−04	1.205−04	1.218−04	1.248−04
66	75	1.479−04	9.360−05	7.628−05	6.097−05	3.566−05	1.578−05	1.140−05	8.328−06
66	76	5.838−04	5.170−04	4.908−04	4.710−04	4.682−04	4.424−04	4.493−04	4.641−04
66	77	9.385−04	8.140−04	7.680−04	7.293−04	6.863−04	6.464−04	6.485−04	6.611−04
66	78	1.883−04	1.500−04	1.349−04	1.221−04	1.095−04	9.334−05	9.353−05	9.545−05
66	79	2.188+00	2.528+00	2.653+00	2.782+00	3.080+00	3.506+00	3.708+00	3.948+00
66	80	1.493−03	1.170−03	1.029−03	9.048−04	7.623−04	5.695−04	5.338−04	5.169−04
66	81	1.284−02	9.326−03	8.105−03	7.016−03	5.340−03	3.838−03	3.546−03	3.373−03
66	82	5.541−03	4.463−03	4.070−03	3.729−03	3.280−03	2.832−03	2.781−03	2.788−03
66	83	1.049−02	8.881−03	8.318−03	7.833−03	7.215−03	6.667−03	6.664−03	6.766−03
66	84	2.788−03	2.218−03	1.930−03	1.677−03	1.429−03	1.010−03	9.267−04	8.840−04
66	85	2.195−02	1.849−02	1.684−02	1.543−02	1.431−02	1.219−02	1.194−02	1.201−02
66	86	7.799−03	6.369−03	5.723−03	5.161−03	4.587−03	3.739−03	3.609−03	3.579−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
66	87	1.206−02	9.747−03	8.558−03	7.524−03	6.579−03	4.898−03	4.579−03	4.441−03
66	88	1.133−02	1.349−02	1.439−02	1.531−02	1.733−02	2.020−02	2.160−02	2.320−02
66	89	4.785−04	5.715−04	6.101−04	6.485−04	7.334−04	8.444−04	9.027−04	9.671−04
66	90	4.857−04	4.842−04	4.910−04	5.012−04	5.345−04	5.939−04	6.301−04	6.732−04
66	91	1.783−03	2.108−03	2.245−03	2.387−03	2.698−03	3.147−03	3.366−03	3.616−03
66	92	3.406−04	2.639−04	2.379−04	2.168−04	1.973−04	1.668−04	1.662−04	1.701−04
66	93	3.641−03	2.960−03	2.634−03	2.350−03	2.075−03	1.631−03	1.555−03	1.530−03
66	94	3.108−05	2.920−05	2.834−05	2.773−05	2.873−05	2.767−05	2.850−05	2.971−05
66	95	5.549−05	3.768−05	3.219−05	2.756−05	2.095−05	1.508−05	1.434−05	1.421−05
66	96	8.898−04	8.475−04	8.205−04	8.028−04	8.447−04	8.086−04	8.296−04	8.650−04
66	97	2.927−03	3.441−03	3.656−03	3.876−03	4.380−03	5.063−03	5.413−03	5.810−03
66	98	7.580−05	6.729−05	6.351−05	6.067−05	6.161−05	5.616−05	5.699−05	5.901−05
66	99	1.466−03	1.699−03	1.802−03	1.908−03	2.147−03	2.486−03	2.660−03	2.857−03
66	100	1.786−03	2.107−03	2.245−03	2.389−03	2.710−03	3.190−03	3.419−03	3.683−03
66	101	9.284−03	1.110−02	1.187−02	1.267−02	1.442−02	1.695−02	1.817−02	1.957−02
66	102	1.870−04	1.771−04	1.704−04	1.658−04	1.740−04	1.627−04	1.657−04	1.719−04
66	103	1.928−03	2.115−03	2.208−03	2.309−03	2.561−03	2.924−03	3.122−03	3.350−03
66	104	1.291−03	1.536−03	1.640−03	1.749−03	1.989−03	2.340−03	2.510−03	2.704−03
66	105	4.881−03	5.770−03	6.155−03	6.555−03	7.446−03	8.758−03	9.395−03	1.012−02
66	106	4.230−05	3.215−05	2.831−05	2.491−05	2.016−05	1.542−05	1.450−05	1.402−05
66	107	7.002−04	8.388−04	8.976−04	9.567−04	1.088−03	1.262−03	1.353−03	1.454−03
66	108	5.142−05	4.375−05	4.118−05	3.895−05	3.582−05	3.352−05	3.355−05	3.406−05
66	109	2.975−04	2.097−04	1.796−04	1.531−04	1.129−04	7.732−05	7.037−05	6.631−05
66	110	3.821−04	2.622−04	2.195−04	1.817−04	1.266−04	7.375−05	6.261−05	5.546−05
66	111	1.195−04	7.895−05	6.505−05	5.264−05	3.282−05	1.564−05	1.175−05	8.922−06
66	112	1.372−04	9.737−05	8.242−05	6.929−05	5.141−05	3.267−05	2.885−05	2.658−05
66	113	3.100−05	2.047−05	1.686−05	1.365−05	8.615−06	4.248−06	3.264−06	2.571−06
66	114	1.137−05	8.742−06	7.744−06	6.858−06	5.708−06	4.321−06	4.103−06	4.007−06
66	115	1.339−06	7.536−07	5.907−07	4.526−07	2.173−07	6.635−08	3.885−08	2.392−08
66	116	2.695−04	3.215−04	3.443−04	3.679−04	4.204−04	4.954−04	5.327−04	5.747−04
66	117	4.814−04	5.746−04	6.154−04	6.573−04	7.508−04	8.818−04	9.479−04	1.022−03
66	118	5.161−04	6.182−04	6.627−04	7.088−04	8.112−04	9.574−04	1.030−03	1.111−03
66	119	5.823−06	4.262−06	3.740−06	3.294−06	2.711−06	2.091−06	2.016−06	2.005−06
66	120	1.779−04	1.135−04	9.203−05	7.305−05	4.295−05	1.814−05	1.260−05	8.697−06
66	121	7.057−04	8.452−04	9.062−04	9.688−04	1.109−03	1.305−03	1.403−03	1.514−03
66	122	1.184−03	1.415−03	1.516−03	1.619−03	1.849−03	2.162−03	2.324−03	2.504−03
66	123	1.130−03	1.347−03	1.441−03	1.537−03	1.753−03	2.045−03	2.198−03	2.366−03
66	124	1.896−04	2.259−04	2.421−04	2.589−04	2.969−04	3.515−04	3.787−04	4.094−04
66	125	5.982−04	7.145−04	7.654−04	8.171−04	9.336−04	1.089−03	1.171−03	1.262−03
67	68	3.461−03	2.491−03	2.135−03	1.818−03	1.354−03	8.981−04	8.050−04	7.462−04
67	69	2.889−04	2.532−04	2.378−04	2.263−04	2.285−04	2.062−04	2.091−04	2.164−04
67	70	1.254−04	8.220−05	6.950−05	5.895−05	4.395−05	3.121−05	2.984−05	2.990−05
67	71	1.054−02	8.664−03	7.851−03	7.156−03	6.461−03	5.430−03	5.301−03	5.308−03
67	72	1.166−01	1.344−01	1.402−01	1.462−01	1.604−01	1.789−01	1.879−01	1.989−01
67	73	1.692−04	1.481−04	1.426−04	1.384−04	1.332−04	1.325−04	1.350−04	1.392−04
67	74	4.627−02	5.335−02	5.576−02	5.825−02	6.407−02	7.194−02	7.576−02	8.033−02
67	75	9.409−02	1.086−01	1.137−01	1.189−01	1.310−01	1.476−01	1.556−01	1.652−01
67	76	6.191−04	5.532−04	5.225−04	4.997−04	5.100−04	4.635−04	4.704−04	4.872−04
67	77	4.344−01	5.021−01	5.261−01	5.508−01	6.079−01	6.873−01	7.255−01	7.709−01
67	78	1.718−02	1.974−02	2.065−02	2.158−02	2.376−02	2.680−02	2.826−02	3.001−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
67	79	1.750−04	1.259−04	1.112−04	9.862−05	7.910−05	6.520−05	6.357−05	6.362−05
67	80	4.991−05	3.864−05	3.484−05	3.176−05	2.892−05	2.457−05	2.450−05	2.509−05
67	81	9.259−04	5.211−04	4.079−04	3.112−04	1.442−04	4.427−05	2.458−05	1.267−05
67	82	3.769−01	4.375−01	4.602−01	4.837−01	5.372−01	6.150−01	6.517−01	6.951−01
67	83	2.670−01	3.103−01	3.266−01	3.436−01	3.820−01	4.385−01	4.651−01	4.964−01
67	84	3.689−01	4.288−01	4.514−01	4.749−01	5.280−01	6.060−01	6.426−01	6.859−01
67	85	5.955−06	4.418−06	3.927−06	3.526−06	3.097−06	2.552−06	2.531−06	2.587−06
67	86	3.732−01	4.460−01	4.757−01	5.057−01	5.715−01	6.634−01	7.085−01	7.597−01
67	87	6.267−05	4.351−05	3.736−05	3.209−05	2.459−05	1.772−05	1.673−05	1.639−05
67	88	9.196−03	8.868−03	8.794−03	8.758−03	8.816−03	9.042−03	9.249−03	9.550−03
67	89	2.245−03	1.818−03	1.593−03	1.393−03	1.189−03	8.706−04	7.993−04	7.608−04
67	90	1.316−02	1.283−02	1.277−02	1.277−02	1.295−02	1.335−02	1.368−02	1.415−02
67	91	3.290−04	1.898−04	1.502−04	1.165−04	6.035−05	2.293−05	1.615−05	1.245−05
67	92	1.219−03	6.936−04	5.442−04	4.172−04	2.045−04	6.214−05	3.584−05	2.098−05
67	93	2.533−01	3.033−01	3.241−01	3.451−01	3.913−01	4.561−01	4.879−01	5.240−01
67	94	6.017−03	4.569−03	3.948−03	3.397−03	2.722−03	1.876−03	1.701−03	1.600−03
67	95	7.035−05	4.000−05	3.138−05	2.404−05	1.177−05	3.566−06	2.052−06	1.199−06
67	96	1.171−02	1.129−02	1.120−02	1.118−02	1.131−02	1.162−02	1.191−02	1.232−02
67	97	1.675−02	1.640−02	1.634−02	1.636−02	1.668−02	1.719−02	1.763−02	1.825−02
67	98	2.738−09	2.040−09	1.771−09	1.556−09	1.446−09	1.062−09	1.040−09	1.068−09
67	99	6.790−03	6.729−03	6.728−03	6.749−03	6.883−03	7.116−03	7.292−03	7.539−03
67	100	2.151−04	1.901−04	1.835−04	1.784−04	1.725−04	1.716−04	1.748−04	1.802−04
67	101	2.344−05	1.536−05	1.266−05	1.025−05	6.338−06	2.975−06	2.225−06	1.680−06
67	102	5.680−05	3.232−05	2.536−05	1.943−05	9.535−06	2.895−06	1.673−06	9.845−07
67	103	1.871−02	1.856−02	1.858−02	1.866−02	1.911−02	1.978−02	2.029−02	2.101−02
67	104	1.374−04	9.180−05	7.599−05	6.170−05	3.875−05	1.893−05	1.473−05	1.159−05
67	105	7.925−03	7.875−03	7.880−03	7.909−03	8.076−03	8.353−03	8.561−03	8.852−03
67	106	5.843−02	7.001−02	7.492−02	7.998−02	9.111−02	1.070−01	1.148−01	1.236−01
67	107	7.159−04	4.700−04	3.857−04	3.099−04	1.875−04	8.098−05	5.637−05	3.799−05
67	108	2.948−05	1.890−05	1.544−05	1.234−05	7.182−06	3.035−06	2.086−06	1.381−06
67	109	2.345−06	2.153−06	2.058−06	1.988−06	2.047−06	1.905−06	1.938−06	2.008−06
67	110	6.495−06	5.959−06	5.691−06	5.495−06	5.660−06	5.256−06	5.345−06	5.537−06
67	111	5.481−03	6.578−03	7.045−03	7.522−03	8.577−03	1.005−02	1.078−02	1.161−02
67	112	9.104−03	1.088−02	1.164−02	1.242−02	1.414−02	1.646−02	1.766−02	1.900−02
67	113	9.788−03	1.174−02	1.259−02	1.347−02	1.540−02	1.814−02	1.950−02	2.104−02
67	114	1.645−06	9.427−07	7.450−07	5.782−07	3.053−07	1.192−07	8.753−08	7.237−08
67	115	2.825−06	2.203−06	1.942−06	1.736−06	1.683−06	1.290−06	1.275−06	1.315−06
67	116	9.255−05	9.181−05	9.179−05	9.210−05	9.443−05	9.747−05	9.999−05	1.035−04
67	117	4.328−04	4.336−04	4.348−04	4.373−04	4.491−04	4.651−04	4.771−04	4.937−04
67	118	4.869−06	4.044−06	3.730−06	3.489−06	3.472−06	3.437−06	3.667−06	3.930−06
67	119	1.280−05	7.292−06	5.723−06	4.389−06	2.160−06	6.617−07	3.850−07	2.292−07
67	120	4.364−03	5.230−03	5.608−03	5.998−03	6.866−03	8.104−03	8.718−03	9.409−03
67	121	1.249−05	9.855−06	8.951−06	8.176−06	7.240−06	6.444−06	6.525−06	6.709−06
67	122	1.160−05	1.001−05	9.428−06	8.910−06	8.147−06	7.588−06	7.551−06	7.621−06
67	123	1.058−05	7.578−06	6.685−06	5.926−06	4.725−06	3.918−06	3.813−06	3.813−06
67	124	8.374−05	8.122−05	8.058−05	8.034−05	8.173−05	8.365−05	8.571−05	8.869−05
67	125	2.824−05	2.623−05	2.562−05	2.519−05	2.516−05	2.523−05	2.577−05	2.663−05
68	69	1.316−02	1.505−02	1.564−02	1.625−02	1.775−02	1.960−02	2.054−02	2.168−02
68	70	2.741−03	2.731−03	2.693−03	2.679−03	2.841−03	2.892−03	2.996−03	3.149−03
68	71	6.880−03	4.889−03	4.123−03	3.455−03	2.587−03	1.616−03	1.419−03	1.306−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
68	72	2.219−03	2.433−03	2.494−03	2.563−03	2.781−03	3.006−03	3.142−03	3.313−03
68	73	5.840−04	4.427−04	3.970−04	3.605−04	3.266−04	2.770−04	2.768−04	2.847−04
68	74	3.352−04	3.103−04	2.960−04	2.858−04	2.982−04	2.739−04	2.788−04	2.892−04
68	75	9.282−05	8.375−05	7.928−05	7.600−05	7.808−05	7.106−05	7.216−05	7.476−05
68	76	1.157−02	1.320−02	1.374−02	1.431−02	1.568−02	1.748−02	1.838−02	1.946−02
68	77	1.911−01	2.206−01	2.309−01	2.416−01	2.663−01	3.003−01	3.167−01	3.363−01
68	78	5.022−02	5.792−02	6.057−02	6.329−02	6.966−02	7.833−02	8.252−02	8.754−02
68	79	1.880−03	1.700−03	1.653−03	1.620−03	1.610−03	1.649−03	1.715−03	1.798−03
68	80	1.365+00	1.579+00	1.656+00	1.736+00	1.919+00	2.179+00	2.303+00	2.450+00
68	81	9.811−02	1.138−01	1.195−01	1.256−01	1.392−01	1.590−01	1.684−01	1.794−01
68	82	2.104−04	1.229−04	9.735−05	7.534−05	3.779−05	1.317−05	8.095−06	4.796−06
68	83	1.521−02	1.745−02	1.832−02	1.922−02	2.126−02	2.434−02	2.579−02	2.751−02
68	84	1.263+00	1.467+00	1.544+00	1.623+00	1.805+00	2.070+00	2.195+00	2.342+00
68	85	3.426+00	3.980+00	4.189+00	4.407+00	4.899+00	5.621+00	5.961+00	6.362+00
68	86	9.256−02	1.099−01	1.170−01	1.242−01	1.400−01	1.624−01	1.734−01	1.859−01
68	87	6.891−01	8.214−01	8.757−01	9.310−01	1.052+00	1.223+00	1.307+00	1.402+00
68	88	1.732−03	1.654−03	1.635−03	1.625−03	1.642−03	1.675−03	1.716−03	1.775−03
68	89	2.938−02	2.341−02	2.049−02	1.794−02	1.535−02	1.129−02	1.048−02	1.010−02
68	90	6.681−03	6.295−03	6.207−03	6.153−03	6.159−03	6.286−03	6.434−03	6.652−03
68	91	2.117−04	2.051−04	2.036−04	2.030−04	2.047−04	2.101−04	2.149−04	2.219−04
68	92	1.056−03	9.010−04	8.545−04	8.158−04	7.609−04	7.333−04	7.394−04	7.559−04
68	93	4.542−04	2.567−04	2.012−04	1.539−04	7.221−05	2.271−05	1.296−05	7.034−06
68	94	5.861−03	4.783−03	4.263−03	3.813−03	3.391−03	2.691−03	2.575−03	2.540−03
68	95	5.447−02	5.317−02	5.298−02	5.299−02	5.385−02	5.552−02	5.692−02	5.888−02
68	96	2.640−03	2.427−03	2.357−03	2.308−03	2.305−03	2.295−03	2.346−03	2.426−03
68	97	1.397−03	1.196−03	1.139−03	1.093−03	1.042−03	1.014−03	1.030−03	1.060−03
68	98	8.165−02	8.018−02	7.995−02	8.000−02	8.121−02	8.374−02	8.575−02	8.861−02
68	99	4.795−02	4.704−02	4.693−02	4.701−02	4.794−02	4.946−02	5.073−02	5.251−02
68	100	3.485−02	3.425−02	3.418−02	3.425−02	3.494−02	3.608−02	3.700−02	3.830−02
68	101	1.557−02	1.530−02	1.526−02	1.527−02	1.551−02	1.599−02	1.637−02	1.692−02
68	102	2.112−02	2.001−02	1.975−02	1.960−02	1.970−02	2.010−02	2.059−02	2.129−02
68	103	2.733−03	2.184−03	2.029−03	1.902−03	1.729−03	1.627−03	1.642−03	1.685−03
68	104	3.572−03	3.069−03	2.877−03	2.722−03	2.604−03	2.425−03	2.440−03	2.499−03
68	105	1.860−03	1.455−03	1.341−03	1.247−03	1.111−03	1.032−03	1.037−03	1.061−03
68	106	3.365−03	4.016−03	4.293−03	4.581−03	5.215−03	6.145−03	6.593−03	7.104−03
68	107	6.802−03	5.813−03	5.324−03	4.912−03	4.618−03	4.012−03	3.952−03	3.988−03
68	108	2.414−02	2.878−02	3.077−02	3.283−02	3.739−02	4.408−02	4.731−02	5.099−02
68	109	4.332−02	5.199−02	5.568−02	5.944−02	6.774−02	7.930−02	8.508−02	9.156−02
68	110	1.705−02	2.043−02	2.186−02	2.328−02	2.645−02	3.057−02	3.276−02	3.516−02
68	111	3.921−06	2.248−06	1.774−06	1.367−06	6.592−07	2.220−07	1.349−07	7.946−08
68	112	2.019−02	2.422−02	2.596−02	2.774−02	3.169−02	3.721−02	3.998−02	4.309−02
68	113	7.213−06	4.439−06	3.602−06	2.878−06	1.686−06	8.258−07	6.548−07	5.486−07
68	114	4.265−04	4.188−04	4.176−04	4.180−04	4.257−04	4.384−04	4.493−04	4.646−04
68	115	6.922−05	6.433−05	6.254−05	6.130−05	6.193−05	6.113−05	6.244−05	6.461−05
68	116	5.124−05	5.002−05	4.960−05	4.935−05	4.964−05	5.073−05	5.174−05	5.329−05
68	117	6.428−05	5.628−05	5.377−05	5.184−05	5.077−05	5.089−05	5.273−05	5.515−05
68	118	3.249−05	2.924−05	2.832−05	2.764−05	2.712−05	2.701−05	2.754−05	2.843−05
68	119	7.835−04	7.220−04	7.058−04	6.942−04	6.881−04	6.939−04	7.088−04	7.321−04
68	120	2.146−02	2.575−02	2.761−02	2.951−02	3.375−02	3.964−02	4.261−02	4.594−02
68	121	4.945−05	4.605−05	4.466−05	4.356−05	4.292−05	4.255−05	4.316−05	4.432−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
68	122	7.735−05	7.297−05	7.165−05	7.070−05	7.018−05	7.083−05	7.217−05	7.431−05
68	123	5.799−05	3.843−05	3.280−05	2.805−05	2.055−05	1.559−05	1.506−05	1.507−05
68	124	1.579−05	1.142−05	1.010−05	8.978−06	7.333−06	6.063−06	5.928−06	5.959−06
68	125	7.461−05	6.791−05	6.587−05	6.433−05	6.325−05	6.302−05	6.431−05	6.639−05
69	70	3.405−02	2.735−02	2.542−02	2.388−02	2.215−02	2.070−02	2.096−02	2.160−02
69	71	1.350−01	1.554−01	1.614−01	1.674−01	1.823−01	1.995−01	2.084−01	2.192−01
69	72	1.527−02	1.315−02	1.241−02	1.175−02	1.065−02	1.026−02	1.021−02	1.031−02
69	73	3.269−02	3.696−02	3.821−02	3.951−02	4.309−02	4.710−02	4.929−02	5.199−02
69	74	2.184−02	1.918−02	1.803−02	1.715−02	1.696−02	1.569−02	1.585−02	1.633−02
69	75	2.600−03	2.210−03	2.048−03	1.921−03	1.863−03	1.676−03	1.684−03	1.730−03
69	76	2.019−02	1.627−02	1.494−02	1.390−02	1.324−02	1.178−02	1.189−02	1.228−02
69	77	2.017−03	1.429−03	1.218−03	1.047−03	8.925−04	6.149−04	5.885−04	5.937−04
69	78	6.996−03	5.177−03	4.471−03	3.910−03	3.597−03	2.593−03	2.527−03	2.589−03
69	79	8.313−04	9.434−04	9.812−04	1.021−03	1.117−03	1.246−03	1.311−03	1.389−03
69	80	3.822−03	3.327−03	3.127−03	2.965−03	2.876−03	2.676−03	2.721−03	2.806−03
69	81	4.332−04	4.057−04	3.988−04	3.942−04	3.930−04	3.987−04	4.078−04	4.213−04
69	82	2.786−04	2.689−04	2.670−04	2.664−04	2.696−04	2.771−04	2.842−04	2.941−04
69	83	4.339−04	4.102−04	4.044−04	4.008−04	4.017−04	4.087−04	4.182−04	4.323−04
69	84	8.409−05	6.673−05	6.095−05	5.589−05	4.833−05	4.240−05	4.179−05	4.193−05
69	85	6.758−04	5.785−04	5.509−04	5.292−04	5.042−04	4.901−04	4.977−04	5.125−04
69	86	1.465−03	1.414−03	1.404−03	1.401−03	1.417−03	1.457−03	1.494−03	1.546−03
69	87	1.579−03	1.487−03	1.464−03	1.448−03	1.435−03	1.476−03	1.510−03	1.557−03
69	88	8.386−03	9.986−03	1.064−02	1.129−02	1.272−02	1.464−02	1.562−02	1.673−02
69	89	4.591−03	5.473−03	5.830−03	6.192−03	6.994−03	8.080−03	8.626−03	9.243−03
69	90	2.846−02	3.360−02	3.570−02	3.784−02	4.258−02	4.918−02	5.248−02	5.623−02
69	91	5.843−05	4.301−05	3.718−05	3.189−05	2.415−05	1.591−05	1.424−05	1.314−05
69	92	1.246−03	1.386−03	1.443−03	1.496−03	1.636−03	1.775−03	1.887−03	2.000−03
69	93	5.771−04	5.617−04	5.593−04	5.592−04	5.678−04	5.856−04	6.008−04	6.219−04
69	94	1.932−04	2.117−04	2.207−04	2.300−04	2.537−04	2.848−04	3.041−04	3.253−04
69	95	4.421−02	5.319−02	5.682−02	6.023−02	6.791−02	7.615−02	8.129−02	8.664−02
69	96	2.875−02	3.444−02	3.679−02	3.914−02	4.432−02	5.134−02	5.489−02	5.886−02
69	97	1.117−03	1.305−03	1.382−03	1.462−03	1.647−03	1.898−03	2.026−03	2.173−03
69	98	5.067−04	3.925−04	3.540−04	3.225−04	2.930−04	2.478−04	2.469−04	2.526−04
69	99	1.109−01	1.329−01	1.421−01	1.513−01	1.716−01	1.990−01	2.129−01	2.285−01
69	100	2.165−03	2.529−03	2.682−03	2.830−03	3.169−03	3.568−03	3.808−03	4.064−03
69	101	4.455−05	2.970−05	2.518−05	2.136−05	1.583−05	1.102−05	1.038−05	1.023−05
69	102	1.910−02	2.293−02	2.449−02	2.596−02	2.932−02	3.289−02	3.513−02	3.747−02
69	103	4.012−02	4.788−02	5.114−02	5.443−02	6.173−02	7.172−02	7.678−02	8.246−02
69	104	1.634−04	1.522−04	1.457−04	1.411−04	1.470−04	1.366−04	1.391−04	1.443−04
69	105	6.372−04	6.891−04	7.087−04	7.310−04	8.060−04	8.746−04	9.249−04	9.837−04
69	106	3.551−04	2.868−04	2.507−04	2.194−04	1.929−04	1.402−04	1.303−04	1.260−04
69	107	1.310−05	7.862−06	6.384−06	5.136−06	3.102−06	1.708−06	1.483−06	1.388−06
69	108	1.225−03	1.003−03	8.884−04	7.854−04	6.646−04	5.189−04	4.839−04	4.644−04
69	109	1.775−04	1.614−04	1.566−04	1.528−04	1.474−04	1.488−04	1.514−04	1.557−04
69	110	1.401−04	1.136−04	1.045−04	9.676−05	8.640−05	7.886−05	7.826−05	7.915−05
69	111	1.027−04	1.020−04	1.021−04	1.025−04	1.046−04	1.082−04	1.110−04	1.148−04
69	112	3.819−05	3.429−05	3.304−05	3.204−05	3.110−05	3.067−05	3.116−05	3.204−05
69	113	5.078−04	4.268−04	3.776−04	3.340−04	2.931−04	2.248−04	2.087−04	2.002−04
69	114	1.417−03	1.668−03	1.778−03	1.893−03	2.156−03	2.543−03	2.731−03	2.947−03
69	115	9.073−05	6.699−05	5.953−05	5.340−05	4.624−05	3.836−05	3.799−05	3.873−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
69	116	5.024−04	4.294−04	4.044−04	3.826−04	3.560−04	3.417−04	3.497−04	3.628−04
69	117	1.251−01	1.497−01	1.603−01	1.712−01	1.953−01	2.285−01	2.454−01	2.643−01
69	118	3.981−05	3.073−05	2.741−05	2.454−05	2.102−05	1.667−05	1.613−05	1.604−05
69	119	3.132−01	3.753−01	4.019−01	4.287−01	4.886−01	5.678−01	6.095−01	6.554−01
69	120	8.369−05	6.716−05	5.997−05	5.403−05	4.982−05	4.010−05	3.908−05	3.941−05
69	121	3.790−05	2.514−05	2.077−05	1.681−05	1.027−05	4.627−06	3.311−06	2.307−06
69	122	1.955−02	2.342−02	2.511−02	2.682−02	3.064−02	3.586−02	3.854−02	4.152−02
69	123	1.213−02	1.445−02	1.546−02	1.650−02	1.882−02	2.205−02	2.369−02	2.553−02
69	124	2.725−01	3.262−01	3.498−01	3.740−01	4.281−01	5.030−01	5.412−01	5.838−01
69	125	2.728−03	3.246−03	3.476−03	3.716−03	4.256−03	5.044−03	5.431−03	5.871−03
70	71	5.276−04	4.331−04	3.988−04	3.720−04	3.589−04	3.148−04	3.172−04	3.272−04
70	72	1.007−02	7.417−03	6.552−03	5.853−03	5.126−03	4.180−03	4.128−03	4.215−03
70	73	8.346−06	5.343−06	4.458−06	3.711−06	2.568−06	1.685−06	1.559−06	1.519−06
70	74	5.465−03	4.090−03	3.543−03	3.113−03	2.936−03	2.126−03	2.084−03	2.147−03
70	75	9.480−04	7.123−04	6.176−04	5.436−04	5.147−04	3.738−04	3.668−04	3.779−04
70	76	2.012−02	1.569−02	1.403−02	1.259−02	1.058−02	8.930−03	8.590−03	8.478−03
70	77	7.350−03	6.119−03	5.588−03	5.169−03	5.007−03	4.318−03	4.313−03	4.426−03
70	78	3.035−02	2.564−02	2.364−02	2.204−02	2.127−02	1.889−02	1.890−02	1.937−02
70	79	4.206−02	4.978−02	5.244−02	5.504−02	6.018−02	6.836−02	7.181−02	7.589−02
70	80	7.004−04	4.563−04	3.792−04	3.160−04	2.422−04	1.533−04	1.443−04	1.451−04
70	81	5.113−04	4.266−04	3.997−04	3.765−04	3.433−04	3.203−04	3.207−04	3.259−04
70	82	2.348−05	1.484−05	1.204−05	9.566−06	5.506−06	2.230−06	1.503−06	9.831−07
70	83	9.580−05	5.922−05	4.778−05	3.776−05	2.133−05	8.584−06	5.873−06	4.032−06
70	84	3.429−04	3.276−04	3.245−04	3.228−04	3.240−04	3.324−04	3.406−04	3.522−04
70	85	1.468−03	1.199−03	1.086−03	9.930−04	9.344−04	8.049−04	8.095−04	8.312−04
70	86	4.006−05	2.668−05	2.265−05	1.920−05	1.362−05	9.905−06	9.251−06	8.977−06
70	87	6.028−04	5.316−04	5.126−04	4.976−04	4.775−04	4.740−04	4.820−04	4.958−04
70	88	4.112−06	2.506−06	2.043−06	1.655−06	1.051−06	5.994−07	5.326−07	5.092−07
70	89	6.071−03	7.288−03	7.779−03	8.269−03	9.353−03	1.077−02	1.150−02	1.231−02
70	90	1.479−03	1.752−03	1.863−03	1.976−03	2.227−03	2.564−03	2.736−03	2.930−03
70	91	2.913−06	2.630−06	2.492−06	2.389−06	2.452−06	2.240−06	2.275−06	2.356−06
70	92	2.065−02	2.407−02	2.547−02	2.687−02	3.003−02	3.415−02	3.639−02	3.889−02
70	93	2.300−05	1.710−05	1.478−05	1.287−05	1.147−05	8.099−06	7.778−06	7.838−06
70	94	1.732−04	1.574−04	1.496−04	1.439−04	1.474−04	1.355−04	1.375−04	1.424−04
70	95	8.614−02	1.032−01	1.103−01	1.173−01	1.328−01	1.536−01	1.642−01	1.760−01
70	96	3.277−03	3.791−03	4.006−03	4.223−03	4.716−03	5.385−03	5.742−03	6.143−03
70	97	4.485−05	2.989−05	2.477−05	2.014−05	1.250−05	5.918−06	4.402−06	3.256−06
70	98	1.006−01	1.211−01	1.294−01	1.374−01	1.552−01	1.760−01	1.880−01	2.007−01
70	99	3.943−04	3.626−04	3.499−04	3.401−04	3.430−04	3.337−04	3.435−04	3.581−04
70	100	1.197−04	1.076−04	1.022−04	9.817−05	9.989−05	9.250−05	9.400−05	9.733−05
70	101	6.133−05	5.491−05	5.207−05	4.996−05	5.085−05	4.695−05	4.771−05	4.942−05
70	102	1.188−01	1.425−01	1.524−01	1.623−01	1.842−01	2.135−01	2.285−01	2.452−01
70	103	3.988−02	4.776−02	5.105−02	5.435−02	6.164−02	7.137−02	7.639−02	8.197−02
70	104	1.678−05	1.075−05	8.980−06	7.503−06	5.375−06	3.577−06	3.359−06	3.332−06
70	105	1.583−04	1.056−04	8.731−05	7.073−05	4.331−05	1.951−05	1.390−05	9.581−06
70	106	3.653−05	3.098−05	2.929−05	2.794−05	2.658−05	2.536−05	2.572−05	2.648−05
70	107	7.727−05	7.093−05	6.777−05	6.547−05	6.744−05	6.269−05	6.376−05	6.605−05
70	108	1.794−04	1.533−04	1.446−04	1.377−04	1.325−04	1.243−04	1.257−04	1.293−04
70	109	3.369−04	2.686−04	2.359−04	2.073−04	1.781−04	1.331−04	1.243−04	1.203−04
70	110	7.983−04	6.861−04	6.356−04	5.898−04	5.166−04	4.863−04	4.773−04	4.754−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
70	111	7.196−06	4.154−06	3.285−06	2.544−06	1.296−06	4.529−07	2.925−07	2.002−07
70	112	1.195−04	9.873−05	8.696−05	7.652−05	6.553−05	5.005−05	4.611−05	4.390−05
70	113	4.936−05	3.647−05	3.162−05	2.774−05	2.538−05	1.872−05	1.831−05	1.877−05
70	114	1.712−01	2.049−01	2.194−01	2.341−01	2.669−01	3.116−01	3.345−01	3.600−01
70	115	4.748−01	5.698−01	6.104−01	6.511−01	7.417−01	8.605−01	9.233−01	9.924−01
70	116	3.590−05	2.736−05	2.437−05	2.180−05	1.857−05	1.486−05	1.443−05	1.441−05
70	117	2.089−04	1.953−04	1.907−04	1.874−04	1.903−04	1.928−04	2.006−04	2.108−04
70	118	7.703−06	4.887−06	4.113−06	3.473−06	2.464−06	1.802−06	1.729−06	1.737−06
70	119	1.813−02	2.168−02	2.323−02	2.482−02	2.835−02	3.336−02	3.585−02	3.865−02
70	120	3.254−04	2.739−04	2.446−04	2.188−04	1.941−04	1.549−04	1.461−04	1.420−04
70	121	7.891−06	4.301−06	3.336−06	2.531−06	1.157−06	3.232−07	1.832−07	1.213−07
70	122	2.235−04	1.536−04	1.282−04	1.048−04	6.624−05	3.115−05	2.263−05	1.588−05
70	123	6.518−02	7.781−02	8.330−02	8.892−02	1.015−01	1.189−01	1.277−01	1.376−01
70	124	5.025−05	3.428−05	2.859−05	2.340−05	1.497−05	7.337−06	5.561−06	4.195−06
70	125	3.660−01	4.383−01	4.700−01	5.025−01	5.752−01	6.759−01	7.272−01	7.844−01
71	72	3.873−02	4.636−02	4.829−02	5.016−02	5.512−02	5.948−02	6.187−02	6.484−02
71	73	4.624−04	4.393−04	4.339−04	4.310−04	4.355−04	4.480−04	4.610−04	4.783−04
71	74	3.436−04	3.625−04	3.672−04	3.734−04	3.981−04	4.242−04	4.417−04	4.642−04
71	75	8.134−02	9.376−02	9.781−02	1.019−01	1.117−01	1.243−01	1.305−01	1.380−01
71	76	4.742−02	5.440−02	5.663−02	5.891−02	6.446−02	7.149−02	7.500−02	7.924−02
71	77	6.675−03	7.647−03	7.998−03	8.355−03	9.121−03	1.031−02	1.085−02	1.150−02
71	78	3.222−02	3.708−02	3.870−02	4.036−02	4.428−02	4.946−02	5.200−02	5.504−02
71	79	1.181−03	1.123−03	1.106−03	1.093−03	1.088−03	1.104−03	1.125−03	1.158−03
71	80	7.695−01	8.888−01	9.307−01	9.738−01	1.074+00	1.213+00	1.279+00	1.359+00
71	81	7.520−02	8.694−02	9.118−02	9.557−02	1.057−01	1.199−01	1.268−01	1.349−01
71	82	9.112−02	1.055−01	1.108−01	1.162−01	1.287−01	1.465−01	1.549−01	1.650−01
71	83	6.571−01	7.618−01	8.002−01	8.401−01	9.312−01	1.062+00	1.124+00	1.197+00
71	84	3.479−02	3.999−02	4.193−02	4.394−02	4.854−02	5.531−02	5.851−02	6.231−02
71	85	1.600−03	9.159−04	7.235−04	5.595−04	2.798−04	1.084−04	7.584−05	5.711−05
71	86	6.268−01	7.286−01	7.673−01	8.076−01	8.984−01	1.032+00	1.095+00	1.169+00
71	87	1.569+00	1.875+00	1.999+00	2.125+00	2.398+00	2.779+00	2.967+00	3.179+00
71	88	2.128−03	2.007−03	1.958−03	1.918−03	1.885−03	1.878−03	1.901−03	1.947−03
71	89	4.955−03	3.854−03	3.342−03	2.894−03	2.413−03	1.706−03	1.564−03	1.490−03
71	90	7.058−03	6.774−03	6.716−03	6.689−03	6.742−03	6.919−03	7.086−03	7.326−03
71	91	5.402−04	5.114−04	5.047−04	5.006−04	5.010−04	5.116−04	5.233−04	5.406−04
71	92	5.191−04	3.864−04	3.486−04	3.170−04	2.672−04	2.381−04	2.365−04	2.399−04
71	93	5.318−01	6.354−01	6.779−01	7.212−01	8.160−01	9.497−01	1.015+00	1.089+00
71	94	1.863−02	1.517−02	1.345−02	1.195−02	1.058−02	8.211−03	7.792−03	7.643−03
71	95	1.490−02	1.417−02	1.400−02	1.390−02	1.392−02	1.423−02	1.455−02	1.502−02
71	96	1.355−02	1.338−02	1.336−02	1.339−02	1.364−02	1.409−02	1.444−02	1.493−02
71	97	8.558−03	8.141−03	8.017−03	7.944−03	8.037−03	8.141−03	8.335−03	8.624−03
71	98	1.917−03	1.092−03	8.575−04	6.578−04	3.239−04	9.965−05	5.825−05	3.486−05
71	99	1.275−03	8.288−04	7.023−04	5.955−04	4.222−04	3.096−04	2.941−04	2.910−04
71	100	1.587−03	1.273−03	1.185−03	1.113−03	1.006−03	9.545−04	9.625−04	9.861−04
71	101	5.482−04	3.652−04	3.043−04	2.520−04	1.762−04	1.101−04	9.716−05	9.054−05
71	102	5.060−02	4.997−02	4.993−02	5.007−02	5.108−02	5.280−02	5.413−02	5.599−02
71	103	3.042−02	3.000−02	2.998−02	3.007−02	3.073−02	3.176−02	3.258−02	3.373−02
71	104	1.164−02	1.146−02	1.139−02	1.135−02	1.146−02	1.172−02	1.196−02	1.232−02
71	105	2.591−02	2.564−02	2.565−02	2.574−02	2.632−02	2.723−02	2.793−02	2.890−02
71	106	6.640−03	7.896−03	8.430−03	8.985−03	1.021−02	1.202−02	1.289−02	1.389−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
71	107	1.042−02	9.534−03	9.113−03	8.783−03	8.729−03	8.350−03	8.447−03	8.681−03
71	108	6.236−02	7.465−02	7.986−02	8.521−02	9.698−02	1.138−01	1.221−01	1.314−01
71	109	4.239−02	5.083−02	5.441−02	5.806−02	6.611−02	7.738−02	8.298−02	8.929−02
71	110	1.523−04	1.022−04	8.519−05	7.001−05	4.567−05	2.455−05	1.998−05	1.674−05
71	111	6.924−02	8.300−02	8.885−02	9.485−02	1.081−01	1.269−01	1.362−01	1.467−01
71	112	1.221−02	1.465−02	1.570−02	1.676−02	1.910−02	2.228−02	2.391−02	2.572−02
71	113	1.676−03	2.001−03	2.142−03	2.291−03	2.622−03	3.127−03	3.364−03	3.638−03
71	114	4.647−04	4.620−04	4.617−04	4.629−04	4.722−04	4.871−04	4.987−04	5.152−04
71	115	4.842−05	2.820−05	2.234−05	1.734−05	9.120−06	3.315−06	2.247−06	1.645−06
71	116	2.988−04	2.913−04	2.897−04	2.895−04	2.958−04	3.045−04	3.129−04	3.245−04
71	117	6.012−05	4.433−05	3.949−05	3.543−05	2.966−05	2.536−05	2.499−05	2.525−05
71	118	1.046−03	1.042−03	1.043−03	1.048−03	1.075−03	1.112−03	1.141−03	1.182−03
71	119	9.058−04	8.813−04	8.762−04	8.751−04	8.910−04	9.148−04	9.380−04	9.709−04
71	120	2.653−02	3.183−02	3.412−02	3.644−02	4.163−02	4.871−02	5.234−02	5.637−02
71	121	2.142−04	2.040−04	2.005−04	1.983−04	2.002−04	2.022−04	2.067−04	2.136−04
71	122	1.881−04	1.761−04	1.722−04	1.695−04	1.699−04	1.705−04	1.743−04	1.802−04
71	123	1.534−05	1.178−05	1.024−05	8.964−06	8.104−06	5.868−06	5.621−06	5.639−06
71	124	9.254−05	8.859−05	8.746−05	8.690−05	8.896−05	9.084−05	9.371−05	9.755−05
71	125	1.954−05	1.651−05	1.556−05	1.478−05	1.388−05	1.312−05	1.322−05	1.354−05
72	73	1.999−02	2.228−02	2.288−02	2.353−02	2.557−02	2.760−02	2.881−02	3.034−02
72	74	1.512−02	1.376−02	1.327−02	1.294−02	1.304−02	1.272−02	1.300−02	1.347−02
72	75	3.295−03	3.027−03	2.923−03	2.850−03	2.890−03	2.814−03	2.874−03	2.978−03
72	76	1.255−02	8.753−03	7.473−03	6.431−03	5.384−03	3.820−03	3.680−03	3.727−03
72	77	2.943−03	2.452−03	2.267−03	2.121−03	2.041−03	1.839−03	1.857−03	1.914−03
72	78	1.289−02	1.143−02	1.097−02	1.064−02	1.057−02	1.031−02	1.054−02	1.092−02
72	79	8.279−04	9.480−04	9.889−04	1.030−03	1.122−03	1.259−03	1.322−03	1.398−03
72	80	6.840−04	5.743−04	5.407−04	5.125−04	4.711−04	4.503−04	4.528−04	4.618−04
72	81	5.144−04	4.967−04	4.935−04	4.925−04	4.984−04	5.122−04	5.252−04	5.434−04
72	82	1.937−04	1.843−04	1.816−04	1.800−04	1.822−04	1.848−04	1.893−04	1.960−04
72	83	4.932−05	3.306−05	2.778−05	2.311−05	1.525−05	1.002−05	8.795−06	7.969−06
72	84	2.151−04	1.956−04	1.881−04	1.819−04	1.757−04	1.716−04	1.733−04	1.773−04
72	85	4.688−04	4.017−04	3.796−04	3.624−04	3.502−04	3.326−04	3.371−04	3.475−04
72	86	4.444−04	4.246−04	4.193−04	4.164−04	4.212−04	4.289−04	4.396−04	4.549−04
72	87	2.370−04	1.952−04	1.808−04	1.693−04	1.614−04	1.456−04	1.466−04	1.509−04
72	88	6.663−03	7.640−03	8.046−03	8.463−03	9.412−03	1.079−02	1.149−02	1.229−02
72	89	1.267−03	1.495−03	1.586−03	1.678−03	1.889−03	2.154−03	2.295−03	2.455−03
72	90	1.374−02	1.650−02	1.760−02	1.863−02	2.097−02	2.344−02	2.500−02	2.662−02
72	91	1.172−02	1.401−02	1.495−02	1.588−02	1.793−02	2.067−02	2.207−02	2.363−02
72	92	2.038−04	1.685−04	1.542−04	1.420−04	1.320−04	1.114−04	1.101−04	1.115−04
72	93	7.676−05	6.895−05	6.659−05	6.470−05	6.253−05	6.183−05	6.270−05	6.437−05
72	94	5.195−04	6.083−04	6.455−04	6.824−04	7.668−04	8.729−04	9.325−04	9.977−04
72	95	1.026−04	7.261−05	6.202−05	5.258−05	3.843−05	2.452−05	2.180−05	2.006−05
72	96	2.468−02	2.972−02	3.179−02	3.383−02	3.833−02	4.415−02	4.719−02	5.055−02
72	97	1.605−02	1.925−02	2.057−02	2.189−02	2.480−02	2.872−02	3.070−02	3.292−02
72	98	1.132−04	1.037−04	9.873−05	9.514−05	9.838−05	9.064−05	9.218−05	9.557−05
72	99	3.422−02	4.113−02	4.399−02	4.682−02	5.307−02	6.121−02	6.547−02	7.018−02
72	100	1.097−01	1.316−01	1.407−01	1.499−01	1.700−01	1.970−01	2.108−01	2.261−01
72	101	2.795−03	3.293−03	3.499−03	3.702−03	4.159−03	4.725−03	5.046−03	5.394−03
72	102	8.004−05	6.885−05	6.443−05	6.100−05	6.036−05	5.457−05	5.519−05	5.699−05
72	103	1.398−02	1.682−02	1.800−02	1.917−02	2.177−02	2.515−02	2.692−02	2.887−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
72	104	2.599−02	3.119−02	3.336−02	3.554−02	4.034−02	4.674−02	5.004−02	5.370−02
72	105	2.570−02	3.078−02	3.291−02	3.505−02	3.977−02	4.615−02	4.941−02	5.304−02
72	106	4.549−04	3.858−04	3.442−04	3.072−04	2.720−04	2.159−04	2.038−04	1.982−04
72	107	1.386−03	1.666−03	1.782−03	1.897−03	2.152−03	2.471−03	2.646−03	2.835−03
72	108	1.480−04	1.135−04	1.003−04	8.813−05	6.743−05	5.298−05	4.885−05	4.592−05
72	109	4.617−05	3.878−05	3.608−05	3.394−05	3.255−05	2.948−05	2.966−05	3.047−05
72	110	6.159−05	4.432−05	3.860−05	3.398−05	2.964−05	2.289−05	2.249−05	2.302−05
72	111	2.582−05	2.236−05	2.021−05	1.830−05	1.642−05	1.356−05	1.287−05	1.255−05
72	112	2.789−05	2.184−05	1.959−05	1.757−05	1.442−05	1.256−05	1.240−05	1.247−05
72	113	5.612−05	4.312−05	3.743−05	3.220−05	2.414−05	1.760−05	1.560−05	1.412−05
72	114	2.373−05	1.995−05	1.859−05	1.750−05	1.687−05	1.530−05	1.542−05	1.587−05
72	115	1.915−05	1.576−05	1.456−05	1.362−05	1.311−05	1.168−05	1.178−05	1.215−05
72	116	1.837−01	2.204−01	2.361−01	2.521−01	2.877−01	3.364−01	3.612−01	3.889−01
72	117	1.479−01	1.776−01	1.903−01	2.031−01	2.317−01	2.699−01	2.897−01	3.117−01
72	118	1.923−02	2.299−02	2.461−02	2.627−02	2.994−02	3.499−02	3.757−02	4.045−02
72	119	6.093−04	4.205−04	3.513−04	2.875−04	1.827−04	8.645−05	6.308−05	4.451−05
72	120	1.693−05	1.148−05	9.906−06	8.538−06	6.030−06	4.936−06	4.817−06	4.822−06
72	121	3.669−03	4.227−03	4.475−03	4.729−03	5.317−03	6.137−03	6.575−03	7.065−03
72	122	5.381−03	6.368−03	6.797−03	7.232−03	8.216−03	9.546−03	1.025−02	1.102−02
72	123	7.682−02	9.205−02	9.862−02	1.053−01	1.201−01	1.399−01	1.502−01	1.616−01
72	124	1.048−01	1.255−01	1.346−01	1.438−01	1.645−01	1.926−01	2.071−01	2.233−01
72	125	4.999−05	4.782−05	4.733−05	4.727−05	4.922−05	5.322−05	5.614−05	5.986−05
73	74	5.887−02	6.944−02	7.203−02	7.455−02	8.141−02	8.725−02	9.056−02	9.471−02
73	75	3.464−04	3.516−04	3.469−04	3.448−04	3.651−04	3.647−04	3.758−04	3.925−04
73	76	8.684−04	9.953−04	1.032−03	1.068−03	1.161−03	1.265−03	1.319−03	1.386−03
73	77	1.682−03	1.762−03	1.777−03	1.800−03	1.925−03	2.025−03	2.107−03	2.214−03
73	78	4.004−03	4.603−03	4.790−03	4.979−03	5.444−03	6.011−03	6.298−03	6.646−03
73	79	4.349−02	3.375−02	3.062−02	2.811−02	2.572−02	2.245−02	2.250−02	2.312−02
73	80	2.275−02	2.677−02	2.814−02	2.949−02	3.230−02	3.653−02	3.838−02	4.058−02
73	81	3.887−04	4.394−04	4.581−04	4.777−04	5.237−04	5.910−04	6.235−04	6.625−04
73	82	5.393−03	6.234−03	6.533−03	6.841−03	7.554−03	8.551−03	9.029−03	9.597−03
73	83	4.845−03	5.574−03	5.838−03	6.113−03	6.750−03	7.653−03	8.086−03	8.602−03
73	84	1.155−03	1.239−03	1.272−03	1.311−03	1.415−03	1.574−03	1.657−03	1.758−03
73	85	1.411−05	8.707−06	7.165−06	5.868−06	3.830−06	2.368−06	2.157−06	2.090−06
73	86	1.187−02	1.378−02	1.450−02	1.524−02	1.692−02	1.941−02	2.057−02	2.194−02
73	87	6.341−03	7.455−03	7.867−03	8.284−03	9.150−03	1.052−02	1.113−02	1.184−02
73	88	6.013−03	4.126−03	3.453−03	2.843−03	1.871−03	9.800−04	7.760−04	6.244−04
73	89	3.092−05	2.481−05	2.250−05	2.057−05	1.855−05	1.588−05	1.567−05	1.584−05
73	90	1.074−02	7.959−03	6.834−03	5.831−03	4.492−03	2.967−03	2.645−03	2.445−03
73	91	3.026−03	2.064−03	1.720−03	1.410−03	9.159−04	4.608−04	3.565−04	2.787−04
73	92	1.906−03	1.609−03	1.466−03	1.344−03	1.247−03	1.065−03	1.044−03	1.049−03
73	93	3.245−03	3.867−03	4.122−03	4.380−03	4.945−03	5.730−03	6.119−03	6.559−03
73	94	3.679−04	2.817−04	2.493−04	2.209−04	1.834−04	1.423−04	1.356−04	1.329−04
73	95	1.584−02	1.319−02	1.188−02	1.076−02	9.837−03	8.093−03	7.845−03	7.826−03
73	96	1.283−03	9.582−04	8.209−04	6.984−04	5.383−04	3.558−04	3.143−04	2.880−04
73	97	2.452−03	2.147−03	2.000−03	1.879−03	1.823−03	1.644−03	1.643−03	1.677−03
73	98	5.138−05	3.150−05	2.540−05	2.007−05	1.121−05	4.534−06	3.140−06	2.204−06
73	99	7.750−03	6.354−03	5.676−03	5.088−03	4.539−03	3.624−03	3.473−03	3.429−03
73	100	8.452−03	6.950−03	6.209−03	5.569−03	4.994−03	3.997−03	3.834−03	3.791−03
73	101	5.038−03	4.269−03	3.888−03	3.565−03	3.316−03	2.825−03	2.767−03	2.780−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a \pm b \equiv a \times 10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
73	102	2.552−03	2.036−03	1.814−03	1.623−03	1.416−03	1.137−03	1.093−03	1.081−03
73	103	2.503−03	1.884−03	1.632−03	1.403−03	1.060−03	7.344−04	6.531−04	5.966−04
73	104	9.662−04	8.260−04	7.544−04	6.945−04	6.586−04	5.630−04	5.543−04	5.601−04
73	105	1.206−03	1.055−03	9.970−04	9.509−04	9.257−04	8.701−04	8.793−04	9.037−04
73	106	2.704−05	2.899−05	3.000−05	3.108−05	3.396−05	3.813−05	4.062−05	4.342−05
73	107	1.575−05	1.185−05	1.037−05	9.047−06	7.039−06	5.289−06	4.893−06	4.646−06
73	108	4.074−04	4.878−04	5.214−04	5.551−04	6.297−04	7.292−04	7.807−04	8.378−04
73	109	3.184−04	3.822−04	4.090−04	4.362−04	4.961−04	5.781−04	6.195−04	6.658−04
73	110	7.339−07	5.118−07	4.356−07	3.679−07	2.641−07	1.680−07	1.492−07	1.372−07
73	111	3.297−04	3.942−04	4.216−04	4.497−04	5.118−04	6.010−04	6.446−04	6.939−04
73	112	6.033−06	6.793−06	7.105−06	7.408−06	8.215−06	8.968−06	9.529−06	1.012−05
73	113	4.030−04	4.836−04	5.180−04	5.527−04	6.298−04	7.330−04	7.865−04	8.458−04
73	114	8.418−06	6.450−06	5.713−06	5.068−06	4.209−06	3.322−06	3.175−06	3.118−06
73	115	3.205−06	2.111−06	1.735−06	1.397−06	8.497−07	3.721−07	2.624−07	1.803−07
73	116	1.623−04	1.111−04	9.287−05	7.676−05	5.305−05	3.045−05	2.566−05	2.253−05
73	117	1.928−04	1.342−04	1.131−04	9.437−05	6.720−05	4.082−05	3.532−05	3.182−05
73	118	4.427−05	2.923−05	2.406−05	1.945−05	1.213−05	5.738−06	4.289−06	3.241−06
73	119	2.933−04	2.105−04	1.792−04	1.517−04	1.145−04	7.527−05	6.731−05	6.268−05
73	120	2.325−04	2.786−04	2.985−04	3.190−04	3.644−04	4.278−04	4.597−04	4.954−04
73	121	4.250−05	2.970−05	2.490−05	2.068−05	1.481−05	8.721−06	7.427−06	6.609−06
73	122	3.156−05	2.552−05	2.317−05	2.117−05	1.902−05	1.634−05	1.607−05	1.618−05
73	123	3.753−05	2.541−05	2.115−05	1.735−05	1.150−05	6.150−06	4.974−06	4.152−06
73	124	1.596−04	1.023−04	8.313−05	6.621−05	3.966−05	1.757−05	1.284−05	9.555−06
73	125	1.735−05	1.438−05	1.273−05	1.129−05	9.907−06	7.690−06	7.210−06	6.983−06
74	75	1.898−03	1.488−03	1.323−03	1.185−03	1.057−03	8.613−04	8.535−04	8.668−04
74	76	5.507−03	4.570−03	4.318−03	4.124−03	3.910−03	3.782−03	3.853−03	3.983−03
74	77	7.145−03	6.375−03	6.084−03	5.867−03	5.845−03	5.586−03	5.684−03	5.875−03
74	78	8.554−03	6.975−03	6.532−03	6.174−03	5.697−03	5.416−03	5.480−03	5.631−03
74	79	1.379−04	1.235−04	1.165−04	1.112−04	1.134−04	1.021−04	1.034−04	1.070−04
74	80	5.199−04	3.355−04	2.747−04	2.208−04	1.352−04	6.156−05	4.591−05	3.503−05
74	81	4.839−03	4.681−03	4.659−03	4.656−03	4.711−03	4.862−03	4.988−03	5.162−03
74	82	1.132−04	6.620−05	5.251−05	4.071−05	2.086−05	7.239−06	4.553−06	2.877−06
74	83	1.548−03	1.456−03	1.435−03	1.422−03	1.421−03	1.451−03	1.486−03	1.537−03
74	84	1.130−03	1.041−03	1.012−03	9.898−04	9.813−04	9.728−04	9.915−04	1.022−03
74	85	1.499−04	1.122−04	9.724−05	8.538−05	7.962−05	5.764−05	5.631−05	5.776−05
74	86	5.448−04	4.939−04	4.797−04	4.693−04	4.614−04	4.615−04	4.711−04	4.863−04
74	87	1.755−04	1.520−04	1.455−04	1.402−04	1.334−04	1.309−04	1.330−04	1.367−04
74	88	3.454−02	4.063−02	4.302−02	4.547−02	5.054−02	5.881−02	6.244−02	6.669−02
74	89	1.132−04	1.062−04	1.018−04	9.868−05	1.033−04	9.560−05	9.733−05	1.010−04
74	90	1.049−04	5.911−05	4.634−05	3.549−05	1.701−05	5.167−06	2.996−06	1.797−06
74	91	9.349−02	1.117−01	1.190−01	1.265−01	1.427−01	1.650−01	1.761−01	1.886−01
74	92	1.213−03	1.124−03	1.074−03	1.037−03	1.080−03	9.968−04	1.014−03	1.052−03
74	93	6.027−05	4.008−05	3.378−05	2.813−05	1.814−05	1.404−05	1.398−05	1.405−05
74	94	4.635−04	5.343−04	5.640−04	5.948−04	6.639−04	7.668−04	8.176−04	8.759−04
74	95	5.937−05	5.454−05	5.200−05	5.016−05	5.186−05	4.790−05	4.871−05	5.049−05
74	96	5.176−04	4.321−04	3.997−04	3.742−04	3.638−04	3.217−04	3.241−04	3.342−04
74	97	3.763−03	4.446−03	4.730−03	5.014−03	5.644−03	6.478−03	6.916−03	7.403−03
74	98	1.429−07	8.546−08	6.816−08	5.316−08	2.832−08	1.001−08	6.290−09	3.879−09
74	99	2.271−04	1.752−04	1.554−04	1.378−04	1.158−04	8.780−05	8.361−05	8.193−05
74	100	6.688−02	8.033−02	8.588−02	9.144−02	1.037−01	1.200−01	1.284−01	1.377−01

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
74	101	4.918−02	5.915−02	6.326−02	6.735−02	7.636−02	8.815−02	9.428−02	1.011−01
74	102	3.586−05	3.231−05	3.069−05	2.949−05	3.005−05	2.779−05	2.823−05	2.923−05
74	103	1.532−04	1.127−04	9.897−05	8.720−05	7.234−05	5.543−05	5.341−05	5.315−05
74	104	1.015−03	1.210−03	1.291−03	1.369−03	1.545−03	1.759−03	1.879−03	2.009−03
74	105	5.812−04	6.775−04	7.183−04	7.552−04	8.422−04	9.207−04	9.820−04	1.042−03
74	106	1.038−03	8.220−04	7.168−04	6.227−04	5.121−04	3.646−04	3.305−04	3.100−04
74	107	1.354−05	1.478−05	1.538−05	1.600−05	1.752−05	1.974−05	2.108−05	2.251−05
74	108	2.722−04	2.055−04	1.764−04	1.512−04	1.254−04	8.467−05	7.744−05	7.415−05
74	109	2.847−05	2.215−05	1.926−05	1.675−05	1.407−05	1.024−05	9.473−06	9.108−06
74	110	4.118−05	3.134−05	2.739−05	2.426−05	2.306−05	1.726−05	1.698−05	1.749−05
74	111	1.329−05	9.032−06	7.577−06	6.259−06	4.073−06	2.323−06	1.961−06	1.696−06
74	112	2.662−05	2.148−05	1.885−05	1.649−05	1.364−05	1.022−05	9.323−06	8.777−06
74	113	1.478−04	1.117−04	9.863−05	8.665−05	6.527−05	5.327−05	5.015−05	4.813−05
74	114	7.043−07	5.145−07	4.578−07	4.120−07	3.593−07	3.021−07	3.013−07	3.096−07
74	115	9.267−07	5.283−07	4.152−07	3.189−07	1.562−07	4.841−08	2.813−08	1.644−08
74	116	6.801−02	8.153−02	8.733−02	9.319−02	1.062−01	1.238−01	1.329−01	1.430−01
74	117	3.927−04	2.798−04	2.378−04	1.993−04	1.387−04	7.976−05	6.643−05	5.647−05
74	118	5.297−02	6.358−02	6.812−02	7.273−02	8.297−02	9.688−02	1.040−01	1.119−01
74	119	2.682−05	2.596−05	2.517−05	2.465−05	2.607−05	2.469−05	2.520−05	2.616−05
74	120	5.991−05	5.632−05	5.529−05	5.444−05	5.309−05	5.422−05	5.518−05	5.663−05
74	121	5.116−02	6.137−02	6.577−02	7.026−02	8.022−02	9.386−02	1.008−01	1.086−01
74	122	1.769−02	2.121−02	2.273−02	2.429−02	2.775−02	3.251−02	3.493−02	3.764−02
74	123	5.214−05	3.647−05	3.073−05	2.546−05	1.702−05	9.061−06	7.212−06	5.799−06
74	124	6.151−02	7.367−02	7.895−02	8.427−02	9.621−02	1.120−01	1.204−01	1.296−01
74	125	6.587−05	4.948−05	4.399−05	3.933−05	3.341−05	2.704−05	2.639−05	2.649−05
75	76	4.947−04	3.576−04	3.188−04	2.877−04	2.484−04	2.151−04	2.159−04	2.225−04
75	77	7.173−03	5.055−03	4.251−03	3.542−03	2.536−03	1.530−03	1.301−03	1.154−03
75	78	4.413−03	3.677−03	3.385−03	3.149−03	2.983−03	2.642−03	2.640−03	2.699−03
75	79	4.255−05	2.496−05	2.000−05	1.580−05	8.905−06	4.226−06	3.447−06	3.083−06
75	80	6.278−03	5.053−03	4.559−03	4.135−03	3.673−03	3.062−03	2.987−03	2.988−03
75	81	3.119−02	3.011−02	2.995−02	2.991−02	3.024−02	3.118−02	3.199−02	3.310−02
75	82	6.466−04	3.733−04	2.949−04	2.277−04	1.142−04	3.861−05	2.400−05	1.520−05
75	83	9.184−03	8.549−03	8.402−03	8.303−03	8.245−03	8.391−03	8.585−03	8.870−03
75	84	2.584−03	2.191−03	2.044−03	1.917−03	1.771−03	1.616−03	1.611−03	1.634−03
75	85	5.977−05	4.009−05	3.338−05	2.767−05	2.038−05	1.198−05	1.067−05	1.011−05
75	86	3.326−03	3.037−03	2.964−03	2.909−03	2.855−03	2.878−03	2.938−03	3.030−03
75	87	2.259−03	2.171−03	2.153−03	2.144−03	2.159−03	2.215−03	2.268−03	2.345−03
75	88	6.027−01	6.993−01	7.357−01	7.736−01	8.597−01	9.858−01	1.045+00	1.115+00
75	89	4.861−05	3.592−05	3.184−05	2.850−05	2.489−05	2.034−05	2.015−05	2.057−05
75	90	6.486−04	3.707−04	2.928−04	2.267−04	1.155−04	4.287−05	2.992−05	2.306−05
75	91	3.156−01	3.763−01	4.009−01	4.258−01	4.802−01	5.561−01	5.933−01	6.355−01
75	92	6.752−03	6.233−03	5.945−03	5.737−03	5.964−03	5.492−03	5.587−03	5.795−03
75	93	2.658−04	1.589−04	1.272−04	9.983−05	5.401−05	2.193−05	1.548−05	1.142−05
75	94	4.743−03	5.672−03	6.049−03	6.424−03	7.248−03	8.331−03	8.889−03	9.511−03
75	95	5.591−04	5.310−04	5.107−04	4.966−04	5.239−04	4.873−04	4.967−04	5.156−04
75	96	3.299−03	2.821−03	2.631−03	2.484−03	2.459−03	2.204−03	2.228−03	2.301−03
75	97	6.192−04	3.783−04	3.116−04	2.551−04	1.608−04	1.043−04	9.729−05	9.592−05
75	98	1.080−05	6.131−06	4.813−06	3.692−06	1.793−06	5.492−07	3.168−07	1.845−07
75	99	2.700−04	2.059−04	1.847−04	1.672−04	1.496−04	1.250−04	1.242−04	1.268−04
75	100	6.178−03	7.227−03	7.670−03	8.132−03	9.160−03	1.070−02	1.144−02	1.230−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
75	101	1.682−02	2.014−02	2.152−02	2.291−02	2.597−02	3.018−02	3.229−02	3.465−02
75	102	6.368−04	6.063−04	5.837−04	5.682−04	5.990−04	5.589−04	5.697−04	5.913−04
75	103	8.567−04	7.001−04	6.441−04	5.996−04	5.735−04	5.047−04	5.079−04	5.232−04
75	104	1.197−02	1.430−02	1.527−02	1.627−02	1.846−02	2.158−02	2.310−02	2.483−02
75	105	4.005−03	4.680−03	4.973−03	5.273−03	5.942−03	6.884−03	7.364−03	7.906−03
75	106	4.578−03	3.425−03	2.938−03	2.506−03	1.959−03	1.288−03	1.147−03	1.061−03
75	107	3.050−03	3.647−03	3.899−03	4.158−03	4.727−03	5.544−03	5.941−03	6.392−03
75	108	1.708−03	1.410−03	1.241−03	1.093−03	9.589−04	7.151−04	6.637−04	6.385−04
75	109	1.690−04	1.354−04	1.194−04	1.057−04	9.255−05	7.112−05	6.740−05	6.608−05
75	110	9.280−06	6.809−06	5.878−06	5.127−06	4.631−06	3.344−06	3.251−06	3.319−06
75	111	8.784−05	5.893−05	4.871−05	3.944−05	2.439−05	1.084−05	7.621−06	5.144−06
75	112	5.090−05	4.574−05	4.287−05	4.034−05	3.787−05	3.442−05	3.392−05	3.405−05
75	113	6.420−04	4.301−04	3.555−04	2.880−04	1.783−04	8.202−05	5.926−05	4.191−05
75	114	3.295−06	2.791−06	2.603−06	2.459−06	2.423−06	2.187−06	2.213−06	2.289−06
75	115	4.073−07	2.313−07	1.815−07	1.392−07	6.770−08	2.067−08	1.188−08	6.894−09
75	116	1.207−02	1.448−02	1.551−02	1.656−02	1.889−02	2.210−02	2.372−02	2.554−02
75	117	1.249−04	9.112−05	7.862−05	6.734−05	5.065−05	3.345−05	3.000−05	2.773−05
75	118	1.633−02	1.960−02	2.100−02	2.243−02	2.559−02	2.994−02	3.214−02	3.461−02
75	119	1.295−04	1.245−04	1.204−04	1.177−04	1.240−04	1.171−04	1.194−04	1.239−04
75	120	2.291−05	2.131−05	2.078−05	2.035−05	2.004−05	1.987−05	2.020−05	2.076−05
75	121	1.424−02	1.708−02	1.830−02	1.955−02	2.232−02	2.614−02	2.808−02	3.024−02
75	122	6.537−04	7.841−04	8.389−04	8.913−04	1.010−03	1.142−03	1.222−03	1.307−03
75	123	4.947−05	4.022−05	3.661−05	3.351−05	3.040−05	2.544−05	2.502−05	2.520−05
75	124	8.612−03	1.031−02	1.104−02	1.178−02	1.344−02	1.561−02	1.677−02	1.804−02
75	125	1.876−05	1.628−05	1.525−05	1.442−05	1.406−05	1.270−05	1.277−05	1.310−05
76	77	7.563−03	6.800−03	6.537−03	6.351−03	6.372−03	6.191−03	6.324−03	6.555−03
76	78	3.261−02	2.930−02	2.809−02	2.722−02	2.735−02	2.638−02	2.692−02	2.789−02
76	79	2.527−02	3.068−02	3.252−02	3.425−02	3.721−02	4.255−02	4.455−02	4.689−02
76	80	6.419−04	4.562−04	3.922−04	3.407−04	2.965−04	2.159−04	2.108−04	2.156−04
76	81	1.820−04	1.573−04	1.478−04	1.400−04	1.340−04	1.254−04	1.275−04	1.315−04
76	82	1.588−05	1.290−05	1.201−05	1.128−05	1.038−05	9.715−06	9.790−06	1.004−05
76	83	2.059−04	1.817−04	1.725−04	1.651−04	1.592−04	1.500−04	1.511−04	1.547−04
76	84	4.700−05	3.262−05	2.749−05	2.308−05	1.716−05	1.119−05	1.002−05	9.434−06
76	85	3.215−04	2.336−04	2.054−04	1.817−04	1.487−04	1.210−04	1.174−04	1.175−04
76	86	3.580−04	3.301−04	3.223−04	3.162−04	3.104−04	3.113−04	3.170−04	3.264−04
76	87	5.271−04	4.213−04	3.767−04	3.396−04	3.098−04	2.608−04	2.588−04	2.627−04
76	88	5.093−04	5.767−04	6.016−04	6.284−04	6.940−04	7.854−04	8.308−04	8.851−04
76	89	2.753−03	3.312−03	3.519−03	3.716−03	4.047−03	4.711−03	4.958−03	5.244−03
76	90	2.146−03	2.553−03	2.717−03	2.879−03	3.237−03	3.692−03	3.937−03	4.206−03
76	91	2.481−05	2.246−05	2.134−05	2.052−05	2.096−05	1.934−05	1.965−05	2.034−05
76	92	1.284−03	1.372−03	1.413−03	1.459−03	1.576−03	1.774−03	1.880−03	2.006−03
76	93	1.843−04	1.769−04	1.744−04	1.728−04	1.748−04	1.775−04	1.816−04	1.877−04
76	94	2.616−02	3.125−02	3.331−02	3.540−02	3.998−02	4.628−02	4.941−02	5.294−02
76	95	4.340−02	5.219−02	5.575−02	5.930−02	6.709−02	7.733−02	8.259−02	8.844−02
76	96	4.885−03	5.437−03	5.672−03	5.918−03	6.508−03	7.381−03	7.846−03	8.383−03
76	97	1.199−02	1.431−02	1.526−02	1.620−02	1.828−02	2.097−02	2.239−02	2.396−02
76	98	3.301−04	2.249−04	1.878−04	1.541−04	9.922−05	5.009−05	3.876−05	3.017−05
76	99	6.764−02	8.129−02	8.690−02	9.250−02	1.048−01	1.211−01	1.294−01	1.387−01
76	100	9.443−03	1.128−02	1.204−02	1.280−02	1.448−02	1.675−02	1.790−02	1.920−02
76	101	2.616−05	1.751−05	1.455−05	1.190−05	7.617−06	3.827−06	2.990−06	2.381−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
76	102	9.115−02	1.097−01	1.173−01	1.248−01	1.413−01	1.614−01	1.726−01	1.847−01
76	103	1.268−01	1.522−01	1.627−01	1.733−01	1.965−01	2.275−01	2.434−01	2.611−01
76	104	7.454−05	5.333−05	4.558−05	3.852−05	2.737−05	1.688−05	1.454−05	1.284−05
76	105	1.233−02	1.480−02	1.582−02	1.685−02	1.911−02	2.212−02	2.367−02	2.540−02
76	106	3.174−05	2.117−05	1.766−05	1.469−05	1.092−05	6.747−06	6.137−06	5.929−06
76	107	3.820−05	2.600−05	2.178−05	1.795−05	1.171−05	6.218−06	4.976−06	4.053−06
76	108	1.398−04	1.084−04	9.634−05	8.592−05	7.394−05	6.160−05	6.177−05	6.331−05
76	109	1.939−04	1.616−04	1.448−04	1.298−04	1.116−04	9.266−05	8.778−05	8.528−05
76	110	1.311−04	8.761−05	7.346−05	6.114−05	4.231−05	2.623−05	2.315−05	2.140−05
76	111	6.185−05	5.116−05	4.506−05	3.972−05	3.487−05	2.648−05	2.462−05	2.372−05
76	112	2.222−04	1.925−04	1.746−04	1.588−04	1.453−04	1.206−04	1.156−04	1.139−04
76	113	5.002−05	3.844−05	3.346−05	2.927−05	2.551−05	1.888−05	1.788−05	1.766−05
76	114	2.122−01	2.549−01	2.731−01	2.914−01	3.320−01	3.858−01	4.139−01	4.449−01
76	115	1.325−03	9.175−04	7.671−04	6.283−04	4.007−04	1.901−04	1.388−04	9.793−05
76	116	6.832−03	8.200−03	8.785−03	9.376−03	1.069−02	1.246−02	1.337−02	1.438−02
76	117	6.409−02	7.687−02	8.235−02	8.792−02	1.003−01	1.172−01	1.258−01	1.354−01
76	118	8.290−05	5.767−05	4.848−05	4.008−05	2.663−05	1.398−05	1.106−05	8.842−06
76	119	7.455−03	8.924−03	9.551−03	1.018−02	1.158−02	1.340−02	1.438−02	1.545−02
76	120	1.076−04	8.128−05	7.013−05	6.004−05	4.498−05	3.215−05	2.847−05	2.586−05
76	121	1.500−04	1.031−04	8.600−05	7.023−05	4.427−05	2.051−05	1.473−05	1.012−05
76	122	1.131−01	1.354−01	1.450−01	1.549−01	1.768−01	2.071−01	2.225−01	2.397−01
76	123	1.352−01	1.620−01	1.736−01	1.854−01	2.117−01	2.477−01	2.662−01	2.867−01
76	124	1.129−02	1.349−02	1.445−02	1.545−02	1.768−02	2.083−02	2.241−02	2.418−02
76	125	2.879−01	3.449−01	3.697−01	3.950−01	4.516−01	5.289−01	5.687−01	6.129−01
77	78	8.021−03	6.712−03	6.231−03	5.839−03	5.526−03	5.063−03	5.118−03	5.263−03
77	79	4.935−02	5.659−02	5.879−02	6.104−02	6.664−02	7.333−02	7.676−02	8.093−02
77	80	1.380−02	9.848−03	8.304−03	6.939−03	5.084−03	3.047−03	2.606−03	2.324−03
77	81	2.796−02	2.673−02	2.651−02	2.642−02	2.663−02	2.740−02	2.811−02	2.909−02
77	82	1.399−02	1.349−02	1.340−02	1.338−02	1.356−02	1.395−02	1.432−02	1.483−02
77	83	1.058−02	9.575−03	9.313−03	9.113−03	8.884−03	8.915−03	9.089−03	9.367−03
77	84	2.694−03	2.231−03	2.056−03	1.908−03	1.740−03	1.553−03	1.541−03	1.559−03
77	85	1.501−02	1.424−02	1.405−02	1.394−02	1.406−02	1.432−02	1.467−02	1.518−02
77	86	2.213−02	2.128−02	2.108−02	2.100−02	2.128−02	2.179−02	2.234−02	2.313−02
77	87	3.407−03	2.781−03	2.579−03	2.409−03	2.168−03	1.997−03	1.991−03	2.020−03
77	88	2.589−01	2.997−01	3.150−01	3.309−01	3.673−01	4.203−01	4.453−01	4.749−01
77	89	6.166−04	7.008−04	7.307−04	7.611−04	8.248−04	9.307−04	9.768−04	1.032−03
77	90	1.210+00	1.403+00	1.475+00	1.550+00	1.721+00	1.970+00	2.087+00	2.226+00
77	91	6.184−02	7.150−02	7.513−02	7.893−02	8.758−02	1.003−01	1.063−01	1.133−01
77	92	6.234−03	5.362−03	5.009−03	4.738−03	4.720−03	4.232−03	4.282−03	4.427−03
77	93	3.558−03	3.306−03	3.238−03	3.191−03	3.184−03	3.214−03	3.287−03	3.398−03
77	94	3.716−02	4.307−02	4.530−02	4.764−02	5.294−02	6.071−02	6.437−02	6.870−02
77	95	9.305−04	7.226−04	6.517−04	5.938−04	5.418−04	4.567−04	4.549−04	4.656−04
77	96	1.298−02	1.416−02	1.464−02	1.517−02	1.672−02	1.855−02	1.965−02	2.095−02
77	97	4.975−02	5.841−02	6.189−02	6.545−02	7.363−02	8.455−02	9.011−02	9.646−02
77	98	2.227−03	2.040−03	1.942−03	1.871−03	1.937−03	1.781−03	1.811−03	1.877−03
77	99	1.333−03	1.229−03	1.214−03	1.200−03	1.213−03	1.228−03	1.294−03	1.359−03
77	100	1.985−02	2.335−02	2.481−02	2.632−02	2.967−02	3.455−02	3.692−02	3.964−02
77	101	7.275−02	8.691−02	9.275−02	9.871−02	1.117−01	1.301−01	1.391−01	1.493−01
77	102	1.189−03	9.393−04	8.534−04	7.840−04	7.276−04	6.253−04	6.257−04	6.422−04
77	103	8.375−02	9.927−02	1.057−01	1.123−01	1.270−01	1.473−01	1.575−01	1.690−01

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
77	104	5.928−04	6.318−04	6.522−04	6.713−04	7.252−04	7.831−04	8.332−04	8.835−04
77	105	8.643−02	1.032−01	1.102−01	1.173−01	1.329−01	1.544−01	1.652−01	1.773−01
77	106	7.927−03	6.513−03	5.747−03	5.083−03	4.536−03	3.443−03	3.242−03	3.165−03
77	107	2.380−04	2.714−04	2.856−04	2.985−04	3.292−04	3.559−04	3.779−04	3.996−04
77	108	4.949−03	3.574−03	3.046−03	2.572−03	1.886−03	1.175−03	1.021−03	9.178−04
77	109	1.646−04	1.277−04	1.141−04	1.023−04	8.701−05	7.085−05	6.856−05	6.807−05
77	110	9.316−05	7.542−05	6.620−05	5.822−05	5.108−05	3.838−05	3.585−05	3.478−05
77	111	2.128−04	1.700−04	1.481−04	1.288−04	1.090−04	7.759−05	7.089−05	6.726−05
77	112	1.076−04	9.195−05	8.424−05	7.734−05	6.888−05	5.969−05	5.774−05	5.704−05
77	113	1.695−03	1.241−03	1.055−03	8.899−04	6.776−04	4.232−04	3.695−04	3.362−04
77	114	1.331−04	9.303−05	7.822−05	6.459−05	4.253−05	2.181−05	1.688−05	1.303−05
77	115	5.209−06	4.561−06	4.296−06	4.093−06	4.103−06	3.749−06	3.800−06	3.930−06
77	116	1.073−02	1.287−02	1.378−02	1.470−02	1.675−02	1.950−02	2.093−02	2.251−02
77	117	2.384−02	2.863−02	3.067−02	3.274−02	3.732−02	4.350−02	4.668−02	5.021−02
77	118	2.788−03	3.342−03	3.576−03	3.810−03	4.330−03	4.994−03	5.353−03	5.745−03
77	119	9.316−05	5.983−05	4.897−05	3.929−05	2.323−05	1.020−05	7.292−06	5.164−06
77	120	5.928−05	5.174−05	4.923−05	4.707−05	4.338−05	4.295−05	4.329−05	4.415−05
77	121	3.584−02	4.299−02	4.608−02	4.922−02	5.620−02	6.585−02	7.074−02	7.619−02
77	122	3.432−02	4.116−02	4.411−02	4.710−02	5.377−02	6.288−02	6.753−02	7.272−02
77	123	8.066−03	9.613−03	1.028−02	1.094−02	1.244−02	1.441−02	1.545−02	1.661−02
77	124	8.697−03	1.039−02	1.113−02	1.186−02	1.353−02	1.570−02	1.686−02	1.814−02
77	125	2.272−02	2.722−02	2.917−02	3.114−02	3.554−02	4.136−02	4.444−02	4.782−02
78	79	5.032−02	5.751−02	5.970−02	6.195−02	6.770−02	7.452−02	7.806−02	8.238−02
78	80	4.004−03	2.829−03	2.383−03	1.992−03	1.469−03	8.801−04	7.619−04	6.908−04
78	81	8.394−03	7.943−03	7.853−03	7.802−03	7.813−03	8.012−03	8.209−03	8.490−03
78	82	4.476−03	4.321−03	4.295−03	4.289−03	4.348−03	4.476−03	4.594−03	4.757−03
78	83	4.959−03	4.707−03	4.653−03	4.622−03	4.641−03	4.749−03	4.866−03	5.033−03
78	84	1.076−03	8.970−04	8.299−04	7.732−04	7.115−04	6.408−04	6.380−04	6.474−04
78	85	2.147−03	2.027−03	1.998−03	1.981−03	1.980−03	2.018−03	2.065−03	2.134−03
78	86	3.233−03	3.086−03	3.051−03	3.032−03	3.061−03	3.128−03	3.206−03	3.318−03
78	87	1.520−03	1.317−03	1.255−03	1.205−03	1.156−03	1.116−03	1.132−03	1.164−03
78	88	1.368−01	1.586−01	1.668−01	1.753−01	1.945−01	2.226−01	2.359−01	2.515−01
78	89	1.076−03	1.250−03	1.312−03	1.374−03	1.502−03	1.711−03	1.801−03	1.907−03
78	90	2.575−01	2.987−01	3.142−01	3.304−01	3.672−01	4.211−01	4.465−01	4.765−01
78	91	2.930−02	3.399−02	3.575−02	3.757−02	4.168−02	4.774−02	5.058−02	5.393−02
78	92	2.089−03	1.784−03	1.661−03	1.565−03	1.543−03	1.372−03	1.385−03	1.428−03
78	93	3.175−04	2.646−04	2.495−04	2.371−04	2.196−04	2.117−04	2.141−04	2.195−04
78	94	7.671−05	6.612−05	6.325−05	6.088−05	5.909−05	5.780−05	6.007−05	6.277−05
78	95	3.821−04	3.154−04	2.897−04	2.687−04	2.553−04	2.204−04	2.203−04	2.254−04
78	96	2.079−03	1.941−03	1.884−03	1.839−03	1.887−03	1.803−03	1.862−03	1.938−03
78	97	4.385−03	4.684−03	4.796−03	4.932−03	5.379−03	5.914−03	6.245−03	6.648−03
78	98	6.598−04	6.126−04	5.853−04	5.657−04	5.898−04	5.444−04	5.540−04	5.747−04
78	99	4.399−02	5.278−02	5.639−02	5.999−02	6.790−02	7.838−02	8.376−02	8.976−02
78	100	5.684−02	6.809−02	7.273−02	7.740−02	8.766−02	1.017−01	1.087−01	1.167−01
78	101	5.057−04	5.673−04	5.928−04	6.139−04	6.706−04	7.058−04	7.506−04	7.911−04
78	102	2.471−04	1.763−04	1.530−04	1.332−04	1.067−04	7.952−05	7.605−05	7.536−05
78	103	1.474−03	1.524−03	1.546−03	1.565−03	1.670−03	1.708−03	1.799−03	1.889−03
78	104	6.881−02	8.259−02	8.830−02	9.405−02	1.067−01	1.237−01	1.323−01	1.420−01
78	105	6.296−02	7.554−02	8.074−02	8.590−02	9.730−02	1.120−01	1.198−01	1.284−01
78	106	2.267−03	1.863−03	1.640−03	1.447−03	1.293−03	9.708−04	9.113−04	8.881−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
78	107	3.401−03	4.047−03	4.318−03	4.590−03	5.193−03	6.007−03	6.425−03	6.892−03
78	108	1.365−03	9.729−04	8.214−04	6.847−04	4.845−04	2.805−04	2.339−04	2.010−04
78	109	5.877−05	4.677−05	4.114−05	3.627−05	3.141−05	2.397−05	2.257−05	2.201−05
78	110	6.539−05	4.452−05	3.770−05	3.200−05	2.503−05	1.714−05	1.616−05	1.604−05
78	111	9.997−05	9.019−05	8.518−05	8.076−05	7.598−05	7.062−05	6.996−05	7.047−05
78	112	8.249−05	7.380−05	6.885−05	6.425−05	5.752−05	5.354−05	5.245−05	5.214−05
78	113	5.045−04	3.755−04	3.225−04	2.750−04	2.090−04	1.409−04	1.249−04	1.144−04
78	114	5.175−04	3.581−04	2.993−04	2.451−04	1.563−04	7.400−05	5.399−05	3.806−05
78	115	1.375−05	1.286−05	1.233−05	1.194−05	1.246−05	1.158−05	1.178−05	1.222−05
78	116	1.000−04	9.987−05	9.997−05	1.008−04	1.068−04	1.149−04	1.209−04	1.286−04
78	117	2.891−02	3.467−02	3.714−02	3.962−02	4.513−02	5.252−02	5.635−02	6.059−02
78	118	6.841−02	8.212−02	8.799−02	9.394−02	1.071−01	1.252−01	1.344−01	1.446−01
78	119	2.344−05	1.601−05	1.359−05	1.149−05	8.389−06	5.526−06	5.052−06	4.818−06
78	120	9.205−05	8.877−05	8.725−05	8.571−05	8.023−05	8.622−05	8.748−05	8.932−05
78	121	5.719−02	6.862−02	7.354−02	7.853−02	8.962−02	1.047−01	1.124−01	1.210−01
78	122	1.500−01	1.799−01	1.928−01	2.059−01	2.351−01	2.751−01	2.955−01	3.183−01
78	123	8.363−02	1.001−01	1.072−01	1.144−01	1.305−01	1.521−01	1.633−01	1.758−01
78	124	1.180−02	1.410−02	1.510−02	1.612−02	1.840−02	2.149−02	2.309−02	2.487−02
78	125	8.657−02	1.037−01	1.112−01	1.187−01	1.355−01	1.577−01	1.694−01	1.824−01
79	80	1.160−02	1.335−02	1.390−02	1.445−02	1.578−02	1.743−02	1.825−02	1.925−02
79	81	6.286−03	7.117−03	7.393−03	7.679−03	8.388−03	9.314−03	9.782−03	1.035−02
79	82	2.220−04	2.017−04	1.913−04	1.836−04	1.890−04	1.720−04	1.746−04	1.808−04
79	83	2.719−03	2.966−03	3.036−03	3.118−03	3.390−03	3.664−03	3.834−03	4.048−03
79	84	5.309−03	6.004−03	6.251−03	6.511−03	7.138−03	8.016−03	8.450−03	8.971−03
79	85	1.210−01	1.405−01	1.473−01	1.542−01	1.699−01	1.921−01	2.026−01	2.150−01
79	86	1.301−03	1.428−03	1.477−03	1.530−03	1.659−03	1.863−03	1.963−03	2.083−03
79	87	1.311−02	1.531−02	1.615−02	1.700−02	1.884−02	2.166−02	2.294−02	2.445−02
79	88	8.820−04	6.895−04	6.279−04	5.766−04	5.132−04	4.512−04	4.495−04	4.576−04
79	89	3.555−05	2.335−05	1.926−05	1.563−05	9.838−06	4.801−06	3.720−06	2.960−06
79	90	1.095−03	7.689−04	6.484−04	5.446−04	4.091−04	2.666−04	2.383−04	2.238−04
79	91	3.959−04	3.316−04	3.085−04	2.904−04	2.792−04	2.562−04	2.586−04	2.663−04
79	92	1.449−02	9.836−03	8.234−03	6.794−03	4.484−03	2.440−03	1.989−03	1.665−03
79	93	6.665−05	3.829−05	3.030−05	2.350−05	1.204−05	4.672−06	3.305−06	2.556−06
79	94	1.726−04	1.242−04	1.075−04	9.285−05	7.110−05	5.053−05	4.683−05	4.484−05
79	95	6.244−03	5.000−03	4.400−03	3.887−03	3.438−03	2.601−03	2.464−03	2.421−03
79	96	8.595−03	6.080−03	5.179−03	4.372−03	3.166−03	1.976−03	1.735−03	1.576−03
79	97	6.396−03	4.690−03	4.056−03	3.493−03	2.699−03	1.871−03	1.712−03	1.619−03
79	98	3.056−02	2.608−02	2.399−02	2.223−02	2.095−02	1.838−02	1.818−02	1.841−02
79	99	1.079−02	9.221−03	8.458−03	7.813−03	7.330−03	6.378−03	6.284−03	6.340−03
79	100	1.806−03	1.456−03	1.274−03	1.113−03	9.386−04	6.868−04	6.281−04	5.950−04
79	101	2.338−03	2.151−03	2.074−03	2.016−03	2.010−03	1.958−03	1.990−03	2.051−03
79	102	1.337−02	1.074−02	9.415−03	8.249−03	7.060−03	5.227−03	4.846−03	4.654−03
79	103	9.310−03	7.486−03	6.719−03	6.058−03	5.377−03	4.395−03	4.262−03	4.250−03
79	104	2.132−03	1.692−03	1.479−03	1.292−03	1.091−03	8.013−04	7.407−04	7.093−04
79	105	9.831−03	8.137−03	7.373−03	6.723−03	6.175−03	5.182−03	5.072−03	5.098−03
79	106	2.121−05	1.817−05	1.756−05	1.717−05	1.694−05	1.807−05	1.905−05	2.029−05
79	107	1.199−03	1.002−03	9.016−04	8.157−04	7.439−04	6.115−04	5.912−04	5.881−04
79	108	2.958−04	3.478−04	3.698−04	3.928−04	4.440−04	5.192−04	5.557−04	5.976−04
79	109	6.800−04	8.171−04	8.740−04	9.306−04	1.056−03	1.219−03	1.305−03	1.399−03
79	110	1.689−03	2.028−03	2.169−03	2.309−03	2.620−03	3.028−03	3.241−03	3.476−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
79	111	1.880−06	1.177−06	9.794−07	8.139−07	5.553−07	3.713−07	3.479−07	3.439−07
79	112	5.782−04	6.936−04	7.427−04	7.923−04	9.022−04	1.051−03	1.127−03	1.212−03
79	113	1.999−06	1.129−06	8.852−07	6.779−07	3.261−07	1.007−07	5.816−08	3.423−08
79	114	3.800−04	2.567−04	2.137−04	1.758−04	1.197−04	6.668−05	5.571−05	4.863−05
79	115	5.154−04	3.488−04	2.906−04	2.392−04	1.622−04	9.098−05	7.585−05	6.590−05
79	116	2.247−05	1.445−05	1.181−05	9.476−06	5.671−06	2.605−06	1.911−06	1.419−06
79	117	5.900−05	4.344−05	3.792−05	3.320−05	2.722−05	2.088−05	1.995−05	1.972−05
79	118	8.975−05	6.097−05	5.114−05	4.238−05	2.852−05	1.655−05	1.396−05	1.218−05
79	119	5.360−05	4.163−05	3.755−05	3.407−05	2.947−05	2.516−05	2.472−05	2.485−05
79	120	1.241−03	1.489−03	1.596−03	1.704−03	1.944−03	2.270−03	2.437−03	2.623−03
79	121	5.050−05	3.368−05	2.784−05	2.266−05	1.477−05	7.514−06	5.947−06	4.873−06
79	122	1.463−04	1.036−04	8.768−05	7.359−05	5.372−05	3.393−05	2.967−05	2.701−05
79	123	2.073−04	1.453−04	1.226−04	1.026−04	7.447−05	4.626−05	4.043−05	3.687−05
79	124	4.616−05	2.993−05	2.447−05	1.964−05	1.197−05	5.532−06	4.076−06	3.052−06
79	125	2.750−04	1.751−04	1.418−04	1.123−04	6.599−05	2.729−05	1.876−05	1.279−05
80	81	6.387−03	6.115−03	6.062−03	6.034−03	6.054−03	6.215−03	6.363−03	6.574−03
80	82	8.704−03	8.340−03	8.262−03	8.228−03	8.329−03	8.537−03	8.757−03	9.068−03
80	83	3.682−03	3.271−03	3.153−03	3.061−03	2.962−03	2.927−03	2.978−03	3.067−03
80	84	8.010−03	7.456−03	7.317−03	7.217−03	7.130−03	7.231−03	7.383−03	7.614−03
80	85	4.901−02	4.555−02	4.475−02	4.420−02	4.380−02	4.457−02	4.559−02	4.708−02
80	86	3.202−02	3.073−02	3.048−02	3.038−02	3.073−02	3.157−02	3.238−02	3.353−02
80	87	6.066−02	5.678−02	5.572−02	5.502−02	5.508−02	5.571−02	5.701−02	5.895−02
80	88	2.435−02	2.820−02	2.960−02	3.105−02	3.431−02	3.904−02	4.127−02	4.390−02
80	89	1.021−02	1.184−02	1.246−02	1.309−02	1.448−02	1.658−02	1.755−02	1.869−02
80	90	3.077−01	3.557−01	3.734−01	3.918−01	4.340−01	4.946−01	5.235−01	5.576−01
80	91	2.509−04	2.270−04	2.149−04	2.058−04	2.101−04	1.906−04	1.931−04	1.996−04
80	92	4.407−01	5.105−01	5.363−01	5.630−01	6.242−01	7.124−01	7.541−01	8.036−01
80	93	1.555−02	1.498−02	1.486−02	1.481−02	1.501−02	1.541−02	1.581−02	1.637−02
80	94	1.539−02	1.789−02	1.884−02	1.982−02	2.201−02	2.528−02	2.679−02	2.859−02
80	95	1.815+00	2.105+00	2.213+00	2.325+00	2.581+00	2.954+00	3.129+00	3.337+00
80	96	3.643−02	4.212−02	4.430−02	4.658−02	5.172−02	5.939−02	6.300−02	6.725−02
80	97	3.606−02	4.139−02	4.338−02	4.548−02	5.040−02	5.745−02	6.085−02	6.488−02
80	98	1.091−02	9.160−03	8.492−03	7.973−03	7.805−03	6.929−03	6.995−03	7.222−03
80	99	3.698−01	4.393−01	4.676−01	4.964−01	5.600−01	6.490−01	6.928−01	7.426−01
80	100	1.916−01	2.277−01	2.425−01	2.575−01	2.907−01	3.371−01	3.600−01	3.860−01
80	101	1.063−03	8.040−04	7.202−04	6.521−04	5.846−04	4.905−04	4.886−04	5.006−04
80	102	1.394−01	1.639−01	1.740−01	1.843−01	2.078−01	2.398−01	2.560−01	2.744−01
80	103	4.667−02	5.415−02	5.723−02	6.045−02	6.792−02	7.828−02	8.350−02	8.952−02
80	104	2.363−03	2.125−03	2.013−03	1.929−03	1.974−03	1.805−03	1.833−03	1.899−03
80	105	7.687−03	7.963−03	8.055−03	8.201−03	8.911−03	9.506−03	9.995−03	1.060−02
80	106	6.674−03	5.530−03	4.943−03	4.437−03	4.019−03	3.211−03	3.081−03	3.050−03
80	107	5.606−04	5.166−04	4.929−04	4.757−04	4.931−04	4.554−04	4.632−04	4.802−04
80	108	2.330−02	1.859−02	1.622−02	1.414−02	1.211−02	8.706−03	8.031−03	7.696−03
80	109	3.027−04	2.717−04	2.617−04	2.537−04	2.457−04	2.413−04	2.449−04	2.516−04
80	110	3.287−04	2.503−04	2.226−04	1.976−04	1.584−04	1.246−04	1.181−04	1.145−04
80	111	3.803−04	3.165−04	2.786−04	2.455−04	2.183−04	1.627−04	1.512−04	1.459−04
80	112	2.436−04	1.965−04	1.720−04	1.505−04	1.299−04	9.448−05	8.734−05	8.382−05
80	113	6.633−03	5.559−03	4.987−03	4.498−03	4.131−03	3.355−03	3.236−03	3.217−03
80	114	2.155−04	2.463−04	2.595−04	2.734−04	3.069−04	3.499−04	3.737−04	4.005−04
80	115	2.911−05	2.674−05	2.554−05	2.467−05	2.545−05	2.364−05	2.405−05	2.493−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
80	116	5.406−03	6.479−03	6.938−03	7.408−03	8.448−03	9.914−03	1.064−02	1.146−02
80	117	1.324−02	1.589−02	1.702−02	1.815−02	2.068−02	2.408−02	2.583−02	2.778−02
80	118	3.721−05	3.216−05	3.014−05	2.858−05	2.845−05	2.576−05	2.607−05	2.695−05
80	119	7.323−03	8.605−03	9.144−03	9.676−03	1.091−02	1.238−02	1.324−02	1.416−02
80	120	1.774−04	1.474−04	1.322−04	1.189−04	1.047−04	8.393−05	7.981−05	7.806−05
80	121	8.515−06	6.917−06	6.359−06	5.912−06	5.596−06	4.927−06	4.950−06	5.090−06
80	122	8.546−03	1.024−02	1.097−02	1.173−02	1.340−02	1.580−02	1.698−02	1.831−02
80	123	9.042−03	1.080−02	1.156−02	1.235−02	1.411−02	1.663−02	1.787−02	1.927−02
80	124	2.385−02	2.859−02	3.064−02	3.275−02	3.745−02	4.393−02	4.723−02	5.091−02
80	125	8.251−04	9.726−04	1.037−03	1.103−03	1.257−03	1.467−03	1.576−03	1.698−03
81	82	2.024−02	1.807−02	1.739−02	1.686−02	1.647−02	1.617−02	1.645−02	1.695−02
81	83	2.443−02	2.273−02	2.231−02	2.200−02	2.173−02	2.205−02	2.252−02	2.322−02
81	84	1.643−03	1.019−03	8.252−04	6.568−04	3.878−04	1.812−04	1.389−04	1.125−04
81	85	2.650−02	2.201−02	2.032−02	1.888−02	1.722−02	1.536−02	1.524−02	1.542−02
81	86	7.785−03	6.103−03	5.310−03	4.609−03	3.817−03	2.688−03	2.449−03	2.316−03
81	87	5.457−03	4.427−03	3.977−03	3.577−03	3.076−03	2.484−03	2.369−03	2.318−03
81	88	4.780−02	5.295−02	5.470−02	5.663−02	6.200−02	6.866−02	7.227−02	7.668−02
81	89	2.670−02	3.102−02	3.261−02	3.423−02	3.783−02	4.316−02	4.563−02	4.855−02
81	90	1.744−01	1.996−01	2.086−01	2.180−01	2.405−01	2.716−01	2.868−01	3.050−01
81	91	7.443−03	6.915−03	6.606−03	6.389−03	6.667−03	6.146−03	6.256−03	6.490−03
81	92	2.527+00	2.921+00	3.064+00	3.213+00	3.555+00	4.039+00	4.271+00	4.545+00
81	93	1.346−03	1.044−03	9.392−04	8.457−04	7.018−04	5.811−04	5.615−04	5.538−04
81	94	1.996−03	2.172−03	2.226−03	2.289−03	2.487−03	2.711−03	2.842−03	3.004−03
81	95	3.657−01	4.234−01	4.447−01	4.668−01	5.174−01	5.902−01	6.248−01	6.657−01
81	96	3.728−01	4.298−01	4.510−01	4.731−01	5.242−01	5.976−01	6.326−01	6.742−01
81	97	2.924−02	3.267−02	3.394−02	3.532−02	3.878−02	4.361−02	4.606−02	4.899−02
81	98	9.379−04	8.533−04	8.109−04	7.802−04	8.047−04	7.383−04	7.507−04	7.782−04
81	99	8.875−02	1.026−01	1.079−01	1.134−01	1.260−01	1.445−01	1.533−01	1.637−01
81	100	8.215−02	9.794−02	1.043−01	1.108−01	1.249−01	1.446−01	1.543−01	1.653−01
81	101	7.628−05	5.998−05	5.460−05	5.030−05	4.682−05	4.063−05	4.080−05	4.201−05
81	102	1.244−02	1.455−02	1.542−02	1.631−02	1.833−02	2.111−02	2.251−02	2.411−02
81	103	2.949−03	2.413−03	2.291−03	2.203−03	2.100−03	2.190−03	2.296−03	2.437−03
81	104	3.459−05	2.037−05	1.634−05	1.290−05	7.090−06	3.152−06	2.442−06	2.059−06
81	105	9.838−04	6.778−04	5.858−04	5.094−04	4.061−04	3.143−04	3.067−04	3.105−04
81	106	7.517−04	7.052−04	6.933−04	6.849−04	6.806−04	6.903−04	7.054−04	7.279−04
81	107	5.881−06	3.471−06	2.771−06	2.166−06	1.132−06	4.175−07	2.741−07	1.842−07
81	108	1.072−03	9.476−04	8.832−04	8.270−04	7.747−04	6.948−04	6.843−04	6.876−04
81	109	8.815−03	7.066−03	6.326−03	5.681−03	4.967−03	4.020−03	3.874−03	3.836−03
81	110	1.844−02	1.422−02	1.237−02	1.075−02	8.900−03	6.394−03	5.908−03	5.661−03
81	111	3.095−04	2.385−04	2.140−04	1.921−04	1.581−04	1.297−04	1.249−04	1.229−04
81	112	1.784−03	1.339−03	1.167−03	1.015−03	8.093−04	5.888−04	5.462−04	5.231−04
81	113	2.320−04	1.925−04	1.707−04	1.519−04	1.378−04	1.072−04	1.018−04	1.002−04
81	114	2.887−03	3.443−03	3.678−03	3.919−03	4.455−03	5.198−03	5.571−03	5.992−03
81	115	8.605−05	7.557−05	7.101−05	6.744−05	6.715−05	6.066−05	6.125−05	6.311−05
81	116	1.283−04	1.398−04	1.451−04	1.510−04	1.672−04	1.888−04	2.009−04	2.151−04
81	117	1.538−03	1.790−03	1.897−03	2.008−03	2.268−03	2.613−03	2.795−03	3.001−03
81	118	9.926−06	7.833−06	7.118−06	6.537−06	6.029−06	5.168−06	5.161−06	5.287−06
81	119	7.685−04	8.613−04	9.014−04	9.453−04	1.058−03	1.209−03	1.290−03	1.384−03
81	120	2.347−03	1.591−03	1.321−03	1.079−03	7.030−04	3.552−04	2.759−04	2.186−04
81	121	9.841−06	8.648−06	8.160−06	7.792−06	7.845−06	7.195−06	7.302−06	7.560−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
81	122	6.956−05	7.741−05	8.089−05	8.394−05	9.192−05	9.767−05	1.038−04	1.096−04
81	123	6.163−03	7.363−03	7.882−03	8.418−03	9.607−03	1.132−02	1.215−02	1.310−02
81	124	1.201−04	1.311−04	1.369−04	1.433−04	1.591−04	1.819−04	1.947−04	2.091−04
81	125	5.502−04	6.553−04	7.009−04	7.474−04	8.520−04	9.942−04	1.068−03	1.150−03
82	83	1.237−02	1.109−02	1.070−02	1.039−02	1.003−02	9.870−03	1.002−02	1.029−02
82	84	7.924−03	7.301−03	7.139−03	7.020−03	6.917−03	6.974−03	7.120−03	7.344−03
82	85	2.685−03	1.701−03	1.381−03	1.097−03	6.331−04	2.560−04	1.720−04	1.117−04
82	86	3.149−03	2.587−03	2.332−03	2.112−03	1.872−03	1.551−03	1.494−03	1.479−03
82	87	3.826−03	3.366−03	3.115−03	2.897−03	2.700−03	2.373−03	2.323−03	2.324−03
82	88	4.485−02	5.161−02	5.403−02	5.654−02	6.237−02	7.056−02	7.450−02	7.918−02
82	89	5.830−05	4.663−05	4.255−05	3.932−05	3.705−05	3.208−05	3.221−05	3.314−05
82	90	4.382−03	4.076−03	3.895−03	3.767−03	3.935−03	3.627−03	3.692−03	3.830−03
82	91	1.325−01	1.529−01	1.602−01	1.678−01	1.853−01	2.099−01	2.217−01	2.357−01
82	92	4.000−03	3.473−03	3.253−03	3.086−03	3.093−03	2.782−03	2.817−03	2.914−03
82	93	9.968−04	6.963−04	5.845−04	4.803−04	3.058−04	1.464−04	1.069−04	7.450−05
82	94	4.015−02	4.652−02	4.886−02	5.128−02	5.677−02	6.468−02	6.842−02	7.284−02
82	95	3.926−04	2.887−04	2.561−04	2.295−04	2.003−04	1.647−04	1.634−04	1.671−04
82	96	1.516−03	1.301−03	1.217−03	1.154−03	1.150−03	1.038−03	1.052−03	1.090−03
82	97	8.368−01	9.693−01	1.018+00	1.069+00	1.185+00	1.352+00	1.431+00	1.525+00
82	98	3.246−04	1.838−04	1.442−04	1.104−04	5.338−05	1.623−05	9.314−06	5.412−06
82	99	1.390−03	1.269−03	1.208−03	1.164−03	1.201−03	1.105−03	1.124−03	1.165−03
82	100	1.342−02	1.541−02	1.618−02	1.698−02	1.883−02	2.159−02	2.290−02	2.445−02
82	101	9.571−03	1.103−02	1.159−02	1.218−02	1.352−02	1.551−02	1.644−02	1.755−02
82	102	1.219−03	1.109−03	1.055−03	1.015−03	1.045−03	9.609−04	9.766−04	1.012−03
82	103	1.465−03	1.297−03	1.224−03	1.168−03	1.183−03	1.078−03	1.094−03	1.133−03
82	104	9.300−02	1.110−01	1.183−01	1.257−01	1.420−01	1.649−01	1.761−01	1.888−01
82	105	2.421−02	2.872−02	3.058−02	3.247−02	3.663−02	4.246−02	4.534−02	4.861−02
82	106	4.888−04	4.674−04	4.617−04	4.578−04	4.573−04	4.652−04	4.751−04	4.899−04
82	107	2.034−02	2.432−02	2.596−02	2.762−02	3.126−02	3.635−02	3.886−02	4.170−02
82	108	3.526−04	3.311−04	3.250−04	3.206−04	3.189−04	3.220−04	3.289−04	3.392−04
82	109	7.155−03	5.901−03	5.262−03	4.713−03	4.257−03	3.382−03	3.241−03	3.206−03
82	110	1.451−05	9.826−06	8.137−06	6.595−06	4.091−06	1.828−06	1.285−06	8.603−07
82	111	2.031−03	1.352−03	1.114−03	8.999−04	5.501−04	2.414−04	1.689−04	1.135−04
82	112	5.900−04	4.058−04	3.382−04	2.775−04	1.852−04	9.660−05	7.635−05	6.179−05
82	113	1.543−04	1.046−04	8.683−05	7.060−05	4.397−05	2.003−05	1.426−05	9.748−06
82	114	1.296−05	1.181−05	1.126−05	1.086−05	1.116−05	1.037−05	1.055−05	1.094−05
82	115	4.051−07	2.299−07	1.804−07	1.384−07	6.723−08	2.053−08	1.181−08	6.857−09
82	116	2.025−03	2.415−03	2.582−03	2.756−03	3.141−03	3.707−03	3.979−03	4.289−03
82	117	4.955−05	4.604−05	4.410−05	4.270−05	4.421−05	4.119−05	4.190−05	4.341−05
82	118	8.125−04	9.687−04	1.036−03	1.106−03	1.260−03	1.489−03	1.598−03	1.724−03
82	119	7.492−05	6.428−05	6.014−05	5.693−05	5.622−05	5.094−05	5.152−05	5.319−05
82	120	1.006−03	7.349−04	6.263−04	5.302−04	4.038−04	2.611−04	2.308−04	2.124−04
82	121	1.090−04	1.291−04	1.378−04	1.470−04	1.675−04	1.983−04	2.131−04	2.300−04
82	122	3.903−05	4.385−05	4.586−05	4.757−05	5.201−05	5.509−05	5.853−05	6.171−05
82	123	2.681−05	2.215−05	2.041−05	1.898−05	1.793−05	1.570−05	1.570−05	1.606−05
82	124	4.441−04	5.238−04	5.595−04	5.969−04	6.807−04	8.044−04	8.652−04	9.343−04
82	125	1.247−05	9.849−06	8.958−06	8.237−06	7.620−06	6.572−06	6.573−06	6.742−06
83	84	6.611−03	5.375−03	4.809−03	4.316−03	3.768−03	3.028−03	2.887−03	2.834−03
83	85	1.136−02	8.336−03	7.111−03	6.045−03	4.745−03	3.140−03	2.822−03	2.650−03
83	86	1.273−02	1.164−02	1.136−02	1.115−02	1.093−02	1.100−02	1.122−02	1.156−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
83	87	1.941−02	1.792−02	1.743−02	1.702−02	1.655−02	1.641−02	1.664−02	1.705−02
83	88	1.626−01	1.863−01	1.945−01	2.031−01	2.236−01	2.514−01	2.650−01	2.813−01
83	89	1.234−03	1.365−03	1.414−03	1.467−03	1.588−03	1.788−03	1.882−03	1.996−03
83	90	5.598−02	6.368−02	6.641−02	6.926−02	7.611−02	8.555−02	9.019−02	9.576−02
83	91	3.965−02	4.552−02	4.761−02	4.979−02	5.486−02	6.199−02	6.542−02	6.951−02
83	92	4.659−03	3.834−03	3.533−03	3.298−03	3.187−03	2.806−03	2.829−03	2.919−03
83	93	3.600−03	3.127−03	2.898−03	2.709−03	2.587−03	2.312−03	2.298−03	2.333−03
83	94	4.196−03	4.998−03	5.289−03	5.569−03	6.071−03	6.986−03	7.345−03	7.765−03
83	95	1.920−03	1.617−03	1.500−03	1.410−03	1.383−03	1.230−03	1.242−03	1.282−03
83	96	1.591+00	1.841+00	1.932+00	2.027+00	2.244+00	2.554+00	2.702+00	2.877+00
83	97	4.546−02	5.199−02	5.437−02	5.686−02	6.279−02	7.113−02	7.518−02	8.002−02
83	98	5.986−04	3.738−04	3.095−04	2.557−04	1.735−04	1.114−04	1.033−04	1.017−04
83	99	3.532−02	4.056−02	4.254−02	4.461−02	4.937−02	5.636−02	5.968−02	6.362−02
83	100	4.775−02	5.521−02	5.802−02	6.095−02	6.765−02	7.746−02	8.209−02	8.757−02
83	101	5.526−03	6.373−03	6.692−03	7.025−03	7.780−03	8.897−03	9.422−03	1.005−02
83	102	4.937−03	4.631−03	4.439−03	4.303−03	4.506−03	4.178−03	4.255−03	4.415−03
83	103	1.324−02	1.442−02	1.485−02	1.534−02	1.691−02	1.851−02	1.954−02	2.079−02
83	104	2.813−02	3.351−02	3.571−02	3.793−02	4.280−02	4.964−02	5.299−02	5.679−02
83	105	3.118−01	3.719−01	3.964−01	4.212−01	4.754−01	5.515−01	5.887−01	6.310−01
83	106	2.255−03	1.732−03	1.493−03	1.283−03	1.058−03	7.271−04	6.605−04	6.256−04
83	107	3.365−03	4.006−03	4.269−03	4.539−03	5.129−03	5.972−03	6.382−03	6.849−03
83	108	3.062−03	2.676−03	2.532−03	2.413−03	2.304−03	2.180−03	2.196−03	2.246−03
83	109	6.305−03	4.475−03	3.772−03	3.142−03	2.231−03	1.292−03	1.080−03	9.341−04
83	110	2.798−03	2.349−03	2.162−03	2.004−03	1.861−03	1.650−03	1.635−03	1.657−03
83	111	9.402−03	8.056−03	7.384−03	6.818−03	6.419−03	5.572−03	5.488−03	5.539−03
83	112	2.424−03	1.976−03	1.754−03	1.562−03	1.387−03	1.085−03	1.033−03	1.017−03
83	113	2.910−04	2.317−04	2.025−04	1.769−04	1.511−04	1.097−04	1.016−04	9.756−05
83	114	2.635−04	2.365−04	2.237−04	2.138−04	2.162−04	1.969−04	1.993−04	2.057−04
83	115	9.226−05	7.119−05	6.427−05	5.870−05	5.365−05	4.583−05	4.583−05	4.708−05
83	116	1.262−03	1.483−03	1.578−03	1.678−03	1.903−03	2.239−03	2.400−03	2.586−03
83	117	1.491−03	1.737−03	1.847−03	1.962−03	2.220−03	2.612−03	2.802−03	3.019−03
83	118	1.764−02	2.112−02	2.260−02	2.412−02	2.747−02	3.224−02	3.458−02	3.722−02
83	119	1.388−04	1.061−04	9.547−05	8.679−05	7.802−05	6.624−05	6.602−05	6.758−05
83	120	2.073−03	1.514−03	1.295−03	1.102−03	8.382−04	5.521−04	4.925−04	4.559−04
83	121	4.197−04	4.993−04	5.332−04	5.667−04	6.415−04	7.352−04	7.872−04	8.437−04
83	122	1.392−04	1.500−04	1.552−04	1.601−04	1.746−04	1.869−04	1.981−04	2.098−04
83	123	5.045−05	3.724−05	3.364−05	3.078−05	2.692−05	2.553−05	2.628−05	2.765−05
83	124	1.028−03	1.222−03	1.308−03	1.399−03	1.601−03	1.908−03	2.054−03	2.221−03
83	125	6.550−04	7.808−04	8.352−04	8.906−04	1.015−03	1.185−03	1.272−03	1.370−03
84	85	6.799−02	6.545−02	6.507−02	6.496−02	6.563−02	6.769−02	6.945−02	7.188−02
84	86	3.808−03	3.103−03	2.897−03	2.726−03	2.489−03	2.346−03	2.364−03	2.419−03
84	87	1.093−02	9.990−03	9.748−03	9.568−03	9.398−03	9.457−03	9.654−03	9.958−03
84	88	2.183−03	2.270−03	2.307−03	2.354−03	2.502−03	2.732−03	2.861−03	3.023−03
84	89	3.646−03	4.318−03	4.568−03	4.814−03	5.267−03	6.074−03	6.402−03	6.784−03
84	90	2.653−02	3.026−02	3.158−02	3.294−02	3.617−02	4.064−02	4.282−02	4.544−02
84	91	1.597−03	1.729−03	1.781−03	1.839−03	1.985−03	2.211−03	2.327−03	2.468−03
84	92	1.359−03	9.426−04	8.155−04	7.103−04	5.746−04	4.403−04	4.293−04	4.343−04
84	93	5.095−03	4.620−03	4.490−03	4.396−03	4.331−03	4.343−03	4.437−03	4.583−03
84	94	2.621−04	4.278−04	5.005−04	5.603−04	5.670−04	7.842−04	8.175−04	8.489−04
84	95	3.684−03	3.055−03	2.820−03	2.638−03	2.563−03	2.261−03	2.280−03	2.353−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
84	96	5.166−03	5.541−03	5.678−03	5.842−03	6.336−03	6.983−03	7.347−03	7.796−03
84	97	5.874−02	6.745−02	7.057−02	7.382−02	8.151−02	9.217−02	9.735−02	1.035−01
84	98	1.426−02	1.332−02	1.273−02	1.233−02	1.290−02	1.190−02	1.211−02	1.257−02
84	99	8.190−01	9.481−01	9.958−01	1.045+00	1.159+00	1.322+00	1.399+00	1.491+00
84	100	6.611−01	7.659−01	8.048−01	8.454−01	9.379−01	1.072+00	1.135+00	1.210+00
84	101	4.880−01	5.656−01	5.946−01	6.247−01	6.934−01	7.932−01	8.403−01	8.961−01
84	102	2.702−03	2.182−03	1.999−03	1.854−03	1.767−03	1.541−03	1.551−03	1.598−03
84	103	1.071−01	1.237−01	1.300−01	1.366−01	1.517−01	1.739−01	1.843−01	1.967−01
84	104	2.783−02	3.202−02	3.362−02	3.528−02	3.904−02	4.469−02	4.733−02	5.046−02
84	105	3.115−02	3.647−02	3.865−02	4.087−02	4.588−02	5.277−02	5.625−02	6.021−02
84	106	1.142−02	8.955−03	7.941−03	7.054−03	6.004−03	4.695−03	4.475−03	4.392−03
84	107	4.543−03	5.397−03	5.748−03	6.101−03	6.877−03	7.921−03	8.456−03	9.054−03
84	108	1.517−02	1.273−02	1.154−02	1.054−02	9.743−03	8.222−03	8.035−03	8.063−03
84	109	1.596−03	1.187−03	1.019−03	8.702−04	6.771−04	4.498−04	4.024−04	3.738−04
84	110	3.709−04	3.225−04	3.057−04	2.914−04	2.738−04	2.594−04	2.608−04	2.659−04
84	111	8.884−04	7.154−04	6.298−04	5.554−04	4.864−04	3.667−04	3.450−04	3.363−04
84	112	7.137−04	6.111−04	5.602−04	5.174−04	4.880−04	4.254−04	4.200−04	4.247−04
84	113	4.767−03	3.952−03	3.563−03	3.232−03	2.948−03	2.450−03	2.381−03	2.380−03
84	114	3.681−05	2.857−05	2.582−05	2.358−05	2.149−05	1.827−05	1.822−05	1.866−05
84	115	2.857−05	2.552−05	2.414−05	2.309−05	2.349−05	2.147−05	2.179−05	2.256−05
84	116	1.469−03	1.754−03	1.875−03	2.000−03	2.274−03	2.666−03	2.858−03	3.075−03
84	117	8.552−04	1.014−03	1.082−03	1.154−03	1.311−03	1.542−03	1.654−03	1.781−03
84	118	7.504−04	8.934−04	9.545−04	1.018−03	1.158−03	1.363−03	1.462−03	1.574−03
84	119	9.748−05	5.953−05	4.863−05	3.943−05	2.481−05	1.429−05	1.266−05	1.202−05
84	120	5.939−04	4.404−04	3.769−04	3.210−04	2.520−04	1.680−04	1.506−04	1.407−04
84	121	5.475−04	6.566−04	7.024−04	7.480−04	8.493−04	9.790−04	1.049−03	1.125−03
84	122	2.237−05	2.038−05	2.010−05	1.998−05	2.041−05	2.174−05	2.296−05	2.442−05
84	123	1.559−03	1.844−03	1.968−03	2.098−03	2.387−03	2.810−03	3.017−03	3.252−03
84	124	8.469−04	1.004−03	1.073−03	1.144−03	1.304−03	1.532−03	1.646−03	1.775−03
84	125	1.515−05	1.181−05	1.094−05	1.022−05	9.362−06	8.677−06	8.948−06	9.316−06
85	86	7.383−03	6.513−03	6.293−03	6.123−03	5.898−03	5.900−03	6.012−03	6.196−03
85	87	2.633−02	2.454−02	2.400−02	2.358−02	2.317−02	2.328−02	2.368−02	2.435−02
85	88	5.554−04	5.099−04	4.853−04	4.676−04	4.852−04	4.448−04	4.524−04	4.691−04
85	89	4.345−04	5.545−04	6.023−04	6.429−04	6.605−04	8.089−04	8.373−04	8.680−04
85	90	4.691−02	5.333−02	5.553−02	5.782−02	6.341−02	7.090−02	7.463−02	7.912−02
85	91	1.337−04	1.232−04	1.173−04	1.132−04	1.177−04	1.080−04	1.099−04	1.140−04
85	92	1.089−02	1.222−02	1.270−02	1.320−02	1.442−02	1.616−02	1.702−02	1.805−02
85	93	9.059−04	5.652−04	4.577−04	3.626−04	2.027−04	8.231−05	5.520−05	3.557−05
85	94	9.598−05	6.244−05	5.255−05	4.426−05	3.209−05	2.227−05	2.108−05	2.092−05
85	95	7.578−01	8.724−01	9.133−01	9.558−01	1.055+00	1.193+00	1.260+00	1.339+00
85	96	4.888−03	5.469−03	5.683−03	5.907−03	6.410−03	7.220−03	7.596−03	8.048−03
85	97	7.520−04	5.187−04	4.479−04	3.892−04	3.119−04	2.378−04	2.313−04	2.337−04
85	98	3.944+00	4.560+00	4.784+00	5.015+00	5.547+00	6.302+00	6.662+00	7.090+00
85	99	1.553−01	1.770−01	1.848−01	1.931−01	2.133−01	2.409−01	2.546−01	2.709−01
85	100	1.170−02	1.089−02	1.042−02	1.008−02	1.053−02	9.726−03	9.902−03	1.027−02
85	101	7.046−03	6.587−03	6.306−03	6.109−03	6.390−03	5.911−03	6.019−03	6.244−03
85	102	1.859−01	2.132−01	2.237−01	2.347−01	2.601−01	2.976−01	3.155−01	3.366−01
85	103	1.803−02	1.994−02	2.072−02	2.156−02	2.358−02	2.675−02	2.830−02	3.015−02
85	104	1.026−03	6.648−04	5.585−04	4.694−04	3.385−04	2.322−04	2.189−04	2.169−04
85	105	1.577−03	1.004−03	8.374−04	6.972−04	4.852−04	3.203−04	2.982−04	2.929−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
85	106	2.071−04	1.848−04	1.777−04	1.718−04	1.644−04	1.606−04	1.625−04	1.664−04
85	107	1.980−04	1.292−04	1.088−04	9.180−05	6.683−05	4.643−05	4.389−05	4.351−05
85	108	1.169−03	9.984−04	9.159−04	8.435−04	7.671−04	6.620−04	6.446−04	6.420−04
85	109	2.050−02	1.744−02	1.594−02	1.468−02	1.371−02	1.181−02	1.161−02	1.169−02
85	110	3.792−02	3.086−02	2.754−02	2.468−02	2.197−02	1.751−02	1.680−02	1.662−02
85	111	7.925−05	5.374−05	4.453−05	3.612−05	2.241−05	1.006−05	7.087−06	4.749−06
85	112	5.948−03	5.164−03	4.768−03	4.437−03	4.221−03	3.735−03	3.698−03	3.745−03
85	113	1.354−05	9.166−06	7.616−06	6.219−06	4.030−06	2.002−06	1.547−06	1.212−06
85	114	2.797−02	3.353−02	3.587−02	3.824−02	4.346−02	5.065−02	5.426−02	5.831−02
85	115	1.386−02	1.664−02	1.781−02	1.898−02	2.156−02	2.499−02	2.676−02	2.873−02
85	116	1.195−05	1.043−05	9.802−06	9.314−06	9.274−06	8.428−06	8.527−06	8.801−06
85	117	3.914−03	4.687−03	5.014−03	5.348−03	6.085−03	7.122−03	7.636−03	8.216−03
85	118	1.503−05	9.527−06	7.920−06	6.566−06	4.485−06	2.907−06	2.682−06	2.614−06
85	119	3.014−03	3.452−03	3.650−03	3.862−03	4.348−03	5.090−03	5.453−03	5.873−03
85	120	9.450−03	8.101−03	7.409−03	6.825−03	6.422−03	5.546−03	5.452−03	5.494−03
85	121	2.397−05	2.267−05	2.182−05	2.122−05	2.221−05	2.079−05	2.118−05	2.197−05
85	122	4.642−05	4.126−05	3.898−05	3.725−05	3.762−05	3.440−05	3.486−05	3.604−05
85	123	7.331−03	8.765−03	9.378−03	1.000−02	1.138−02	1.326−02	1.422−02	1.529−02
85	124	1.229−05	8.521−06	7.373−06	6.411−06	5.095−06	3.898−06	3.776−06	3.793−06
85	125	1.822−02	2.185−02	2.341−02	2.501−02	2.857−02	3.349−02	3.598−02	3.876−02
86	87	2.016−02	1.740−02	1.659−02	1.592−02	1.498−02	1.454−02	1.471−02	1.506−02
86	88	1.312−02	1.459−02	1.505−02	1.554−02	1.691−02	1.854−02	1.943−02	2.052−02
86	89	8.814−04	9.088−04	9.056−04	9.087−04	9.688−04	1.001−03	1.039−03	1.091−03
86	90	4.936−02	5.551−02	5.742−02	5.944−02	6.498−02	7.136−02	7.482−02	7.907−02
86	91	4.203−03	4.733−03	4.914−03	5.102−03	5.561−03	6.186−03	6.498−03	6.876−03
86	92	3.308−03	2.867−03	2.684−03	2.545−03	2.551−03	2.293−03	2.323−03	2.403−03
86	93	1.701−02	1.594−02	1.562−02	1.540−02	1.540−02	1.551−02	1.585−02	1.637−02
86	94	2.601−03	2.962−03	3.085−03	3.214−03	3.520−03	3.939−03	4.145−03	4.392−03
86	95	3.953−03	3.304−03	3.058−03	2.867−03	2.802−03	2.479−03	2.502−03	2.583−03
86	96	5.749−02	6.571−02	6.860−02	7.160−02	7.877−02	8.859−02	9.341−02	9.917−02
86	97	3.291−01	3.798−01	3.976−01	4.160−01	4.588−01	5.180−01	5.465−01	5.805−01
86	98	2.687−03	2.019−03	1.804−03	1.630−03	1.453−03	1.212−03	1.207−03	1.236−03
86	99	7.066−03	7.432−03	7.599−03	7.803−03	8.379−03	9.303−03	9.798−03	1.041−02
86	100	8.883−02	1.023−01	1.073−01	1.124−01	1.243−01	1.412−01	1.493−01	1.589−01
86	101	7.975−02	9.213−02	9.667−02	1.014−01	1.122−01	1.278−01	1.352−01	1.439−01
86	102	4.566−03	3.960−03	3.710−03	3.520−03	3.523−03	3.175−03	3.215−03	3.325−03
86	103	1.512+00	1.753+00	1.842+00	1.934+00	2.146+00	2.452+00	2.596+00	2.768+00
86	104	4.826−02	5.576−02	5.856−02	6.149−02	6.817−02	7.790−02	8.252−02	8.797−02
86	105	2.107−01	2.435−01	2.557−01	2.684−01	2.978−01	3.400−01	3.601−01	3.839−01
86	106	2.839−04	2.177−04	1.911−04	1.679−04	1.395−04	1.049−04	9.899−05	9.640−05
86	107	1.013−02	1.213−02	1.294−02	1.374−02	1.550−02	1.786−02	1.905−02	2.039−02
86	108	1.089−03	9.152−04	8.534−04	8.012−04	7.399−04	6.812−04	6.811−04	6.926−04
86	109	1.408−02	1.215−02	1.117−02	1.035−02	9.825−03	8.583−03	8.474−03	8.570−03
86	110	1.177−02	1.044−02	9.843−03	9.357−03	9.073−03	8.467−03	8.507−03	8.699−03
86	111	4.485−03	3.664−03	3.309−03	3.004−03	2.702−03	2.258−03	2.200−03	2.200−03
86	112	2.520−03	1.758−03	1.475−03	1.217−03	8.115−04	4.266−04	3.355−04	2.666−04
86	113	5.629−04	4.813−04	4.494−04	4.213−04	3.841−04	3.490−04	3.454−04	3.476−04
86	114	1.084−04	8.912−05	8.208−05	7.650−05	7.356−05	6.474−05	6.516−05	6.715−05
86	115	4.152−04	3.897−04	3.737−04	3.625−04	3.791−04	3.524−04	3.588−04	3.722−04
86	116	1.603−02	1.916−02	2.048−02	2.184−02	2.482−02	2.909−02	3.118−02	3.354−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
86	117	5.883−03	7.006−03	7.482−03	7.974−03	9.056−03	1.063−02	1.139−02	1.226−02
86	118	5.964−04	6.846−04	7.242−04	7.664−04	8.618−04	1.011−03	1.083−03	1.166−03
86	119	1.078−04	7.258−05	6.212−05	5.340−05	4.112−05	3.061−05	2.952−05	2.964−05
86	120	5.773−03	4.639−03	4.083−03	3.600−03	3.138−03	2.372−03	2.231−03	2.173−03
86	121	1.255−02	1.500−02	1.604−02	1.711−02	1.948−02	2.291−02	2.457−02	2.647−02
86	122	5.274−03	6.282−03	6.716−03	7.165−03	8.157−03	9.604−03	1.031−02	1.111−02
86	123	4.149−03	4.915−03	5.244−03	5.586−03	6.352−03	7.462−03	8.004−03	8.622−03
86	124	1.775−04	1.814−04	1.813−04	1.826−04	1.981−04	2.049−04	2.139−04	2.259−04
86	125	8.187−04	9.649−04	1.028−03	1.093−03	1.244−03	1.454−03	1.560−03	1.680−03
87	88	1.735−02	1.987−02	2.064−02	2.142−02	2.338−02	2.570−02	2.689−02	2.834−02
87	89	2.509−02	2.879−02	2.991−02	3.104−02	3.386−02	3.720−02	3.892−02	4.101−02
87	90	4.060−03	3.574−03	3.382−03	3.239−03	3.242−03	3.038−03	3.099−03	3.219−03
87	91	1.230−04	1.012−04	9.317−05	8.689−05	8.390−05	7.355−05	7.408−05	7.640−05
87	92	6.603−04	4.822−04	4.294−04	3.861−04	3.297−04	2.849−04	2.853−04	2.936−04
87	93	3.090−02	2.932−02	2.889−02	2.863−02	2.889−02	2.935−02	3.006−02	3.110−02
87	94	2.957−02	3.401−02	3.548−02	3.700−02	4.060−02	4.533−02	4.766−02	5.046−02
87	95	1.337−02	1.267−02	1.234−02	1.214−02	1.263−02	1.254−02	1.293−02	1.354−02
87	96	4.260−02	4.848−02	5.046−02	5.252−02	5.766−02	6.427−02	6.761−02	7.165−02
87	97	9.233−03	1.015−02	1.046−02	1.079−02	1.175−02	1.292−02	1.357−02	1.437−02
87	98	7.724−03	6.307−03	5.798−03	5.398−03	5.184−03	4.546−03	4.579−03	4.723−03
87	99	5.432−01	6.266−01	6.562−01	6.869−01	7.582−01	8.576−01	9.054−01	9.624−01
87	100	8.825−02	1.011−01	1.057−01	1.105−01	1.219−01	1.378−01	1.455−01	1.547−01
87	101	4.607−04	2.637−04	2.097−04	1.643−04	8.786−05	3.924−05	3.136−05	2.794−05
87	102	2.622+00	3.035+00	3.186+00	3.342+00	3.701+00	4.214+00	4.457+00	4.746+00
87	103	2.973−01	3.431−01	3.599−01	3.774−01	4.178−01	4.755−01	5.031−01	5.358−01
87	104	3.692−03	3.479−03	3.339−03	3.242−03	3.408−03	3.161−03	3.221−03	3.344−03
87	105	7.673−02	8.773−02	9.169−02	9.586−02	1.058−01	1.197−01	1.264−01	1.345−01
87	106	1.944−04	1.325−04	1.113−04	9.240−05	6.295−05	3.753−05	3.201−05	2.831−05
87	107	5.146−04	4.824−04	4.625−04	4.487−04	4.700−04	4.361−04	4.444−04	4.612−04
87	108	1.164−03	8.992−04	7.760−04	6.688−04	5.555−04	3.858−04	3.518−04	3.343−04
87	109	1.868−02	1.613−02	1.514−02	1.431−02	1.357−02	1.259−02	1.263−02	1.289−02
87	110	2.203−02	1.856−02	1.709−02	1.585−02	1.475−02	1.305−02	1.294−02	1.310−02
87	111	1.163−02	1.080−02	1.045−02	1.019−02	1.017−02	9.991−03	1.016−02	1.047−02
87	112	7.133−03	5.771−03	5.056−03	4.428−03	3.843−03	2.810−03	2.604−03	2.505−03
87	113	2.034−03	1.749−03	1.576−03	1.430−03	1.350−03	1.105−03	1.069−03	1.068−03
87	114	1.989−03	2.102−03	2.144−03	2.196−03	2.403−03	2.588−03	2.729−03	2.900−03
87	115	5.943−04	4.444−04	3.955−04	3.552−04	3.116−04	2.560−04	2.533−04	2.582−04
87	116	2.019−02	2.407−02	2.571−02	2.739−02	3.109−02	3.639−02	3.898−02	4.192−02
87	117	2.469−02	2.937−02	3.134−02	3.338−02	3.787−02	4.434−02	4.749−02	5.107−02
87	118	4.848−04	4.566−04	4.385−04	4.258−04	4.459−04	4.155−04	4.232−04	4.390−04
87	119	8.337−03	9.821−03	1.046−02	1.111−02	1.256−02	1.461−02	1.564−02	1.680−02
87	120	1.225−02	1.032−02	9.305−03	8.439−03	7.795−03	6.432−03	6.235−03	6.221−03
87	121	2.226−04	1.962−04	1.849−04	1.763−04	1.776−04	1.618−04	1.639−04	1.695−04
87	122	3.324−03	3.874−03	4.106−03	4.344−03	4.903−03	5.628−03	6.016−03	6.453−03
87	123	1.538−03	1.715−03	1.795−03	1.878−03	2.086−03	2.340−03	2.495−03	2.667−03
87	124	8.632−03	1.036−02	1.110−02	1.185−02	1.352−02	1.584−02	1.701−02	1.831−02
87	125	6.881−03	8.244−03	8.830−03	9.425−03	1.075−02	1.256−02	1.349−02	1.452−02
88	89	7.164−04	5.112−04	4.406−04	3.804−04	3.030−04	2.183−04	2.062−04	2.025−04
88	90	1.868−02	1.463−02	1.334−02	1.220−02	1.038−02	9.159−03	9.005−03	9.016−03
88	91	2.329−02	2.051−02	1.954−02	1.880−02	1.841−02	1.759−02	1.786−02	1.842−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
88	92	1.370−02	1.090−02	9.952−03	9.218−03	8.722−03	7.686−03	7.744−03	8.000−03
88	93	1.921−02	2.201−02	2.292−02	2.384−02	2.607−02	2.891−02	3.033−02	3.205−02
88	94	1.911−03	1.685−03	1.613−03	1.557−03	1.522−03	1.521−03	1.565−03	1.625−03
88	95	1.170−02	9.208−03	8.147−03	7.245−03	6.375−03	4.965−03	4.769−03	4.735−03
88	96	1.633−02	1.280−02	1.165−02	1.074−02	9.863−03	8.676−03	8.701−03	8.937−03
88	97	9.224−03	7.914−03	7.516−03	7.214−03	7.004−03	6.741−03	6.866−03	7.100−03
88	98	4.516−04	3.296−04	2.835−04	2.469−04	2.251−04	1.603−04	1.561−04	1.601−04
88	99	3.156−03	2.122−03	1.788−03	1.495−03	1.029−03	6.458−04	5.704−04	5.247−04
88	100	4.605−03	3.725−03	3.390−03	3.105−03	2.788−03	2.384−03	2.347−03	2.365−03
88	101	1.532−03	1.202−03	1.045−03	9.035−04	7.169−04	5.155−04	4.610−04	4.250−04
88	102	1.491−03	1.122−03	9.945−04	8.850−04	7.363−04	5.960−04	5.753−04	5.712−04
88	103	4.602−03	3.809−03	3.549−03	3.335−03	3.077−03	2.867−03	2.875−03	2.934−03
88	104	7.132−04	6.201−04	5.885−04	5.609−04	5.191−04	4.948−04	4.958−04	5.032−04
88	105	4.879−03	4.206−03	4.016−03	3.870−03	3.738−03	3.647−03	3.717−03	3.839−03
88	106	4.307−03	4.918−03	5.144−03	5.382−03	5.945−03	6.748−03	7.137−03	7.602−03
88	107	1.344−04	1.119−04	9.997−05	8.920−05	7.553−05	5.999−05	5.585−05	5.335−05
88	108	2.497−02	2.898−02	3.049−02	3.205−02	3.559−02	4.077−02	4.321−02	4.609−02
88	109	1.311−02	1.529−02	1.613−02	1.700−02	1.892−02	2.182−02	2.316−02	2.473−02
88	110	3.363−05	1.997−05	1.608−05	1.278−05	7.309−06	3.771−06	3.150−06	2.834−06
88	111	6.605−03	7.683−03	8.093−03	8.521−03	9.485−03	1.091−02	1.158−02	1.237−02
88	112	1.527−02	1.826−02	1.950−02	2.076−02	2.354−02	2.749−02	2.942−02	3.161−02
88	113	2.165−04	2.570−04	2.741−04	2.911−04	3.289−04	3.783−04	4.046−04	4.337−04
88	114	6.405−04	5.314−04	4.734−04	4.224−04	3.718−04	2.919−04	2.749−04	2.672−04
88	115	4.181−05	2.420−05	1.914−05	1.484−05	7.859−06	2.928−06	2.059−06	1.602−06
88	116	4.992−03	3.906−03	3.468−03	3.084−03	2.617−03	2.065−03	1.972−03	1.938−03
88	117	3.285−03	2.220−03	1.841−03	1.496−03	9.392−04	4.335−04	3.148−04	2.237−04
88	118	3.118−03	2.554−03	2.269−03	2.025−03	1.816−03	1.424−03	1.359−03	1.341−03
88	119	3.752−03	3.068−03	2.693−03	2.361−03	2.018−03	1.496−03	1.374−03	1.306−03
88	120	1.105−03	1.326−03	1.419−03	1.514−03	1.722−03	2.009−03	2.154−03	2.315−03
88	121	2.284−03	1.959−03	1.806−03	1.678−03	1.582−03	1.399−03	1.385−03	1.402−03
88	122	6.355−04	5.939−04	5.811−04	5.712−04	5.643−04	5.654−04	5.758−04	5.925−04
88	123	9.181−04	7.627−04	7.086−04	6.610−04	5.916−04	5.341−04	5.289−04	5.324−04
88	124	1.454−03	1.019−03	8.593−04	7.156−04	4.974−04	2.914−04	2.446−04	2.118−04
88	125	2.558−04	2.212−04	2.032−04	1.878−04	1.753−04	1.532−04	1.504−04	1.511−04
89	90	4.140−04	3.068−04	2.671−04	2.350−04	2.096−04	1.573−04	1.535−04	1.562−04
89	91	6.088−05	3.946−05	3.327−05	2.795−05	1.871−05	1.350−05	1.243−05	1.191−05
89	92	9.457−04	8.223−04	7.749−04	7.340−04	6.817−04	6.415−04	6.394−04	6.475−04
89	93	8.124−05	6.859−05	6.369−05	5.992−05	5.894−05	5.235−05	5.287−05	5.460−05
89	94	7.952−03	5.264−03	4.370−03	3.577−03	2.317−03	1.259−03	1.034−03	8.802−04
89	95	1.451−03	1.322−03	1.278−03	1.244−03	1.214−03	1.199−03	1.216−03	1.249−03
89	96	1.465−03	1.319−03	1.283−03	1.257−03	1.244−03	1.297−03	1.354−03	1.420−03
89	97	4.708−04	3.739−04	3.415−04	3.147−04	2.858−04	2.512−04	2.509−04	2.561−04
89	98	6.790−04	5.862−04	5.547−04	5.304−04	5.165−04	4.893−04	4.960−04	5.115−04
89	99	1.575−03	1.478−03	1.456−03	1.443−03	1.465−03	1.528−03	1.597−03	1.680−03
89	100	3.493−04	2.683−04	2.444−04	2.242−04	1.917−04	1.731−04	1.719−04	1.739−04
89	101	2.318−03	2.105−03	2.008−03	1.936−03	1.952−03	1.851−03	1.880−03	1.942−03
89	102	6.049−04	4.123−04	3.485−04	2.935−04	2.144−04	1.406−04	1.275−04	1.212−04
89	103	1.558−03	1.453−03	1.434−03	1.424−03	1.439−03	1.537−03	1.617−03	1.705−03
89	104	4.245−03	3.539−03	3.154−03	2.830−03	2.606−03	2.070−03	1.987−03	1.972−03
89	105	1.541−04	1.103−04	9.404−05	8.049−05	6.624−05	4.568−05	4.281−05	4.221−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
89	106	1.266+00	1.468+00	1.543+00	1.621+00	1.798+00	2.053+00	2.174+00	2.318+00
89	107	1.524−02	1.298−02	1.169−02	1.061−02	9.934−03	8.157−03	7.900−03	7.891−03
89	108	1.303+00	1.511+00	1.589+00	1.670+00	1.854+00	2.122+00	2.249+00	2.398+00
89	109	9.027−01	1.049+00	1.104+00	1.162+00	1.292+00	1.484+00	1.575+00	1.681+00
89	110	3.049+00	3.543+00	3.731+00	3.926+00	4.367+00	5.017+00	5.323+00	5.683+00
89	111	7.026−04	4.034−04	3.179−04	2.445−04	1.185−04	3.906−05	2.303−05	1.292−05
89	112	3.152−01	3.762−01	4.016−01	4.275−01	4.846−01	5.657−01	6.054−01	6.504−01
89	113	1.361−05	7.825−06	6.180−06	4.771−06	2.350−06	8.374−07	5.390−07	3.547−07
89	114	4.314−02	4.194−02	4.171−02	4.165−02	4.213−02	4.334−02	4.438−02	4.586−02
89	115	8.288−02	8.140−02	8.116−02	8.121−02	8.244−02	8.499−02	8.702−02	8.991−02
89	116	2.679−02	2.610−02	2.599−02	2.599−02	2.645−02	2.724−02	2.794−02	2.892−02
89	117	5.330−02	5.231−02	5.220−02	5.228−02	5.327−02	5.497−02	5.637−02	5.833−02
89	118	5.781−03	5.496−03	5.431−03	5.394−03	5.413−03	5.534−03	5.663−03	5.852−03
89	119	2.884−02	2.776−02	2.752−02	2.740−02	2.762−02	2.833−02	2.899−02	2.996−02
89	120	9.187−04	1.065−03	1.128−03	1.188−03	1.327−03	1.477−03	1.576−03	1.678−03
89	121	1.249−02	1.220−02	1.215−02	1.216−02	1.237−02	1.274−02	1.307−02	1.352−02
89	122	1.251−02	1.196−02	1.183−02	1.176−02	1.183−02	1.210−02	1.238−02	1.279−02
89	123	5.750−03	4.893−03	4.657−03	4.470−03	4.239−03	4.138−03	4.204−03	4.329−03
89	124	1.226−04	8.264−05	6.923−05	5.778−05	4.203−05	2.717−05	2.458−05	2.343−05
89	125	4.131−04	3.125−04	2.737−04	2.400−04	1.975−04	1.529−04	1.453−04	1.425−04
90	91	2.053−02	1.797−02	1.688−02	1.604−02	1.583−02	1.463−02	1.478−02	1.522−02
90	92	2.757−02	2.234−02	2.074−02	1.942−02	1.772−02	1.642−02	1.649−02	1.686−02
90	93	4.026−04	2.891−04	2.547−04	2.267−04	1.941−04	1.577−04	1.564−04	1.601−04
90	94	1.354−03	1.158−03	1.089−03	1.033−03	9.811−04	9.137−04	9.200−04	9.420−04
90	95	1.515−02	1.044−02	8.824−03	7.375−03	5.030−03	3.134−03	2.688−03	2.380−03
90	96	8.499−03	5.620−03	4.724−03	3.971−03	2.934−03	1.946−03	1.812−03	1.779−03
90	97	7.708−03	6.144−03	5.527−03	5.039−03	4.807−03	3.947−03	3.928−03	4.036−03
90	98	7.276−03	5.662−03	5.166−03	4.770−03	4.362−03	3.903−03	3.928−03	4.043−03
90	99	1.465−02	1.269−02	1.203−02	1.152−02	1.123−02	1.068−02	1.085−02	1.120−02
90	100	3.551−03	2.604−03	2.284−03	2.012−03	1.667−03	1.305−03	1.260−03	1.258−03
90	101	1.429−03	1.249−03	1.200−03	1.160−03	1.099−03	1.090−03	1.106−03	1.135−03
90	102	7.544−03	5.104−03	4.269−03	3.555−03	2.592−03	1.630−03	1.457−03	1.375−03
90	103	8.505−03	7.021−03	6.449−03	6.007−03	5.849−03	5.124−03	5.157−03	5.324−03
90	104	2.286−03	2.078−03	2.022−03	1.982−03	1.959−03	1.963−03	2.006−03	2.074−03
90	105	1.025−02	9.211−03	8.888−03	8.658−03	8.635−03	8.483−03	8.672−03	8.984−03
90	106	3.318−04	3.274−04	3.222−04	3.201−04	3.392−04	3.393−04	3.504−04	3.669−04
90	107	2.410−04	2.151−04	2.085−04	2.034−04	1.967−04	1.976−04	2.013−04	2.074−04
90	108	2.025−04	1.599−04	1.479−04	1.382−04	1.231−04	1.199−04	1.217−04	1.258−04
90	109	2.128−04	2.516−04	2.669−04	2.823−04	3.129−04	3.650−04	3.873−04	4.132−04
90	110	4.538−04	5.288−04	5.578−04	5.878−04	6.535−04	7.543−04	8.005−04	8.549−04
90	111	6.227−06	3.759−06	3.071−06	2.495−06	1.575−06	9.391−07	8.516−07	8.275−07
90	112	1.670−04	1.918−04	2.028−04	2.142−04	2.401−04	2.783−04	2.974−04	3.193−04
90	113	2.327−05	2.028−05	1.908−05	1.817−05	1.819−05	1.657−05	1.680−05	1.737−05
90	114	6.517−04	5.343−04	4.744−04	4.227−04	3.772−04	2.957−04	2.814−04	2.767−04
90	115	4.730−04	3.934−04	3.486−04	3.097−04	2.776−04	2.147−04	2.026−04	1.978−04
90	116	1.329−02	1.118−02	1.009−02	9.155−03	8.431−03	6.976−03	6.766−03	6.751−03
90	117	9.419−03	7.889−03	7.098−03	6.417−03	5.856−03	4.800−03	4.635−03	4.606−03
90	118	2.743−03	2.393−03	2.214−03	2.066−03	1.990−03	1.765−03	1.754−03	1.782−03
90	119	6.688−03	4.538−03	3.768−03	3.067−03	1.926−03	8.928−04	6.478−04	4.579−04
90	120	1.630−05	1.865−05	1.968−05	2.067−05	2.302−05	2.561−05	2.733−05	2.912−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
90	121	7.861−04	6.785−04	6.255−04	5.812−04	5.531−04	4.871−04	4.825−04	4.890−04
90	122	3.567−04	2.372−04	1.958−04	1.585−04	9.810−05	4.489−05	3.259−05	2.337−05
90	123	1.001−03	8.340−04	7.490−04	6.758−04	6.148−04	5.008−04	4.830−04	4.797−04
90	124	2.618−03	1.954−03	1.681−03	1.439−03	1.125−03	7.674−04	6.914−04	6.460−04
90	125	9.492−05	7.166−05	6.302−05	5.553−05	4.614−05	3.545−05	3.381−05	3.328−05
91	92	6.624−03	4.931−03	4.261−03	3.730−03	3.468−03	2.480−03	2.418−03	2.480−03
91	93	6.782−03	7.699−03	7.989−03	8.287−03	9.022−03	9.950−03	1.042−02	1.100−02
91	94	1.323−03	1.097−03	1.019−03	9.552−04	8.984−04	8.165−04	8.213−04	8.420−04
91	95	2.364−03	1.592−03	1.320−03	1.078−03	7.167−04	3.614−04	2.872−04	2.364−04
91	96	5.730−03	4.821−03	4.580−03	4.396−03	4.198−03	4.096−03	4.177−03	4.319−03
91	97	1.106−02	9.158−03	8.566−03	8.092−03	7.616−03	7.126−03	7.206−03	7.412−03
91	98	1.136−04	8.460−05	7.319−05	6.421−05	6.014−05	4.347−05	4.257−05	4.381−05
91	99	1.483−03	1.150−03	1.026−03	9.227−04	8.202−04	6.784−04	6.653−04	6.722−04
91	100	2.450−03	2.154−03	2.047−03	1.951−03	1.799−03	1.720−03	1.718−03	1.738−03
91	101	1.125−03	7.622−04	6.319−04	5.129−04	3.185−04	1.434−04	1.014−04	6.852−05
91	102	5.937−04	3.985−04	3.309−04	2.712−04	1.829−04	9.600−05	7.864−05	6.732−05
91	103	8.674−04	4.837−04	3.801−04	2.926−04	1.403−04	5.020−05	3.436−05	2.644−05
91	104	1.973−04	1.302−04	1.073−04	8.655−05	5.242−05	2.317−05	1.637−05	1.120−05
91	105	1.262−03	7.821−04	6.496−04	5.374−04	3.458−04	2.314−04	2.132−04	2.065−04
91	106	1.579−04	1.788−04	1.880−04	1.973−04	2.131−04	2.490−04	2.630−04	2.795−04
91	107	5.803−06	4.512−06	4.181−06	3.918−06	3.554−06	3.502−06	3.622−06	3.785−06
91	108	7.736−05	7.135−05	6.808−05	6.576−05	6.821−05	6.284−05	6.392−05	6.626−05
91	109	3.909−07	2.447−07	2.004−07	1.617−07	9.766−08	4.937−08	3.985−08	3.388−08
91	110	4.191−07	2.423−07	1.924−07	1.501−07	7.988−08	3.327−08	2.503−08	2.083−08
91	111	8.501−05	9.841−05	1.034−04	1.086−04	1.195−04	1.369−04	1.447−04	1.540−04
91	112	1.899−04	2.240−04	2.383−04	2.532−04	2.858−04	3.340−04	3.572−04	3.838−04
91	113	4.338−04	5.101−04	5.425−04	5.760−04	6.501−04	7.596−04	8.125−04	8.732−04
91	114	6.208−06	4.239−06	3.568−06	3.004−06	2.345−06	1.502−06	1.391−06	1.364−06
91	115	1.096−06	6.055−07	4.726−07	3.605−07	1.655−07	4.853−08	2.764−08	1.681−08
91	116	3.588−03	2.770−03	2.412−03	2.093−03	1.710−03	1.227−03	1.127−03	1.071−03
91	117	2.495−03	2.054−03	1.829−03	1.633−03	1.455−03	1.151−03	1.097−03	1.078−03
91	118	5.783−04	3.865−04	3.191−04	2.580−04	1.584−04	6.991−05	4.903−05	3.296−05
91	119	1.010−04	7.152−05	6.078−05	5.173−05	4.222−05	2.775−05	2.587−05	2.543−05
91	120	5.756−05	6.870−05	7.341−05	7.822−05	8.884−05	1.037−04	1.112−04	1.195−04
91	121	4.971−04	3.311−04	2.730−04	2.204−04	1.348−04	5.915−05	4.134−05	2.772−05
91	122	4.597−04	3.707−04	3.345−04	3.035−04	2.712−04	2.257−04	2.204−04	2.208−04
91	123	2.086−04	1.678−04	1.467−04	1.277−04	1.044−04	7.663−05	6.928−05	6.455−05
91	124	1.157−03	7.935−04	6.606−04	5.400−04	3.495−04	1.740−04	1.320−04	1.003−04
91	125	1.402−04	1.191−04	1.080−04	9.847−05	9.050−05	7.631−05	7.413−05	7.392−05
92	93	5.779−04	3.848−04	3.272−04	2.793−04	2.127−04	1.539−04	1.477−04	1.480−04
92	94	2.207−03	1.898−03	1.770−03	1.672−03	1.651−03	1.493−03	1.507−03	1.555−03
92	95	7.892−03	5.594−03	4.823−03	4.165−03	3.268−03	2.398−03	2.266−03	2.224−03
92	96	1.805−02	1.445−02	1.332−02	1.239−02	1.116−02	1.020−02	1.020−02	1.040−02
92	97	2.065−02	1.691−02	1.548−02	1.434−02	1.359−02	1.192−02	1.193−02	1.223−02
92	98	2.072−02	1.449−02	1.219−02	1.014−02	7.141−03	4.206−03	3.558−03	3.125−03
92	99	5.301−03	3.524−03	2.935−03	2.429−03	1.700−03	1.042−03	9.186−04	8.554−04
92	100	3.087−03	2.480−03	2.248−03	2.061−03	1.927−03	1.650−03	1.642−03	1.679−03
92	101	5.462−04	3.661−04	3.055−04	2.544−04	1.914−04	1.162−04	1.055−04	1.020−04
92	102	9.913−03	7.986−03	7.154−03	6.450−03	5.794−03	4.727−03	4.592−03	4.593−03
92	103	6.987−03	4.701−03	3.923−03	3.243−03	2.203−03	1.336−03	1.144−03	1.025−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
92	104	1.521−03	1.026−03	8.521−04	6.978−04	4.694−04	2.422−04	1.957−04	1.645−04
92	105	3.409−03	2.116−03	1.718−03	1.370−03	7.913−04	3.544−04	2.635−04	2.029−04
92	106	2.395−04	1.963−04	1.807−04	1.685−04	1.619−04	1.425−04	1.434−04	1.478−04
92	107	2.968−04	2.016−04	1.678−04	1.381−04	9.534−05	5.100−05	4.225−05	3.664−05
92	108	4.469−04	4.669−04	4.770−04	4.893−04	5.216−04	5.812−04	6.116−04	6.488−04
92	109	1.213−04	1.266−04	1.280−04	1.302−04	1.397−04	1.495−04	1.562−04	1.650−04
92	110	2.633−04	3.333−04	3.622−04	3.885−04	4.170−04	5.116−04	5.391−04	5.698−04
92	111	6.790−06	5.070−06	4.517−06	4.068−06	3.606−06	2.985−06	2.966−06	3.035−06
92	112	1.632−05	9.108−06	7.127−06	5.452−06	2.571−06	7.825−07	4.622−07	2.929−07
92	113	1.489−05	8.373−06	6.552−06	5.009−06	2.389−06	7.140−07	4.032−07	2.318−07
92	114	1.260−02	1.012−02	9.028−03	8.085−03	7.122−03	5.690−03	5.472−03	5.420−03
92	115	1.827−02	1.388−02	1.204−02	1.042−02	8.396−03	5.970−03	5.480−03	5.210−03
92	116	2.821−04	2.069−04	1.788−04	1.543−04	1.216−04	8.714−05	8.068−05	7.744−05
92	117	3.211−03	2.678−03	2.410−03	2.182−03	2.004−03	1.649−03	1.599−03	1.596−03
92	118	1.454−04	9.702−05	8.001−05	6.459−05	3.954−05	1.737−05	1.215−05	8.133−06
92	119	2.501−03	1.988−03	1.769−03	1.579−03	1.372−03	1.086−03	1.041−03	1.028−03
92	120	3.101−06	1.849−06	1.481−06	1.164−06	6.394−07	2.668−07	1.946−07	1.515−07
92	121	2.378−05	1.600−05	1.327−05	1.084−05	7.143−06	3.604−06	2.853−06	2.332−06
92	122	9.314−04	7.379−04	6.518−04	5.769−04	4.963−04	3.852−04	3.653−04	3.576−04
92	123	2.996−03	2.279−03	1.999−03	1.753−03	1.444−03	1.084−03	1.022−03	9.939−04
92	124	5.996−04	4.926−04	4.440−04	4.027−04	3.665−04	3.065−04	2.987−04	2.994−04
92	125	2.844−03	1.906−03	1.577−03	1.281−03	8.119−04	3.906−04	2.940−04	2.229−04
93	94	4.722−02	5.438−02	5.643−02	5.847−02	6.359−02	6.928−02	7.224−02	7.589−02
93	95	2.263−03	1.971−03	1.848−03	1.754−03	1.767−03	1.588−03	1.610−03	1.666−03
93	96	3.228−04	1.998−04	1.650−04	1.359−04	9.042−05	5.752−05	5.318−05	5.220−05
93	97	7.403−03	8.354−03	8.664−03	8.986−03	9.779−03	1.082−02	1.134−02	1.198−02
93	98	9.739−04	5.502−04	4.314−04	3.303−04	1.589−04	4.805−05	2.747−05	1.594−05
93	99	8.067−04	5.711−04	4.987−04	4.393−04	3.661−04	2.893−04	2.844−04	2.893−04
93	100	2.189−02	2.499−02	2.606−02	2.717−02	2.980−02	3.342−02	3.519−02	3.731−02
93	101	8.146−03	9.202−03	9.576−03	9.966−03	1.090−02	1.221−02	1.286−02	1.364−02
93	102	5.337−03	5.095−03	4.905−03	4.778−03	5.058−03	4.704−03	4.797−03	4.982−03
93	103	3.503−03	3.324−03	3.194−03	3.106−03	3.278−03	3.042−03	3.101−03	3.219−03
93	104	3.136−01	3.624−01	3.798−01	3.977−01	4.393−01	4.974−01	5.252−01	5.584−01
93	105	7.249−01	8.378−01	8.781−01	9.198−01	1.016+00	1.151+00	1.216+00	1.293+00
93	106	2.594−04	2.495−04	2.476−04	2.468−04	2.482−04	2.550−04	2.612−04	2.699−04
93	107	1.442−01	1.670−01	1.753−01	1.840−01	2.038−01	2.321−01	2.456−01	2.615−01
93	108	2.789−03	2.740−03	2.739−03	2.747−03	2.797−03	2.897−03	2.974−03	3.078−03
93	109	7.177−04	5.566−04	4.922−04	4.351−04	3.575−04	2.754−04	2.590−04	2.505−04
93	110	2.561−04	1.662−04	1.359−04	1.088−04	6.462−05	2.719−05	1.863−05	1.228−05
93	111	3.114−04	2.097−04	1.736−04	1.409−04	8.838−05	4.087−05	2.984−05	2.145−05
93	112	1.343−02	1.081−02	9.581−03	8.515−03	7.475−03	5.807−03	5.522−03	5.424−03
93	113	2.733−05	1.749−05	1.413−05	1.096−05	5.543−06	2.125−06	2.247−06	2.340−06
93	114	4.668−05	4.037−05	3.786−05	3.594−05	3.590−05	3.254−05	3.298−05	3.412−05
93	115	7.731−06	4.390−06	3.446−06	2.643−06	1.284−06	3.936−07	2.270−07	1.322−07
93	116	2.346−03	2.790−03	2.976−03	3.166−03	3.585−03	4.192−03	4.485−03	4.819−03
93	117	1.626−05	1.258−05	1.137−05	1.040−05	9.508−06	8.126−06	8.125−06	8.341−06
93	118	1.970−05	2.088−05	2.156−05	2.230−05	2.423−05	2.733−05	2.913−05	3.115−05
93	119	6.050−04	5.835−04	5.643−04	5.515−04	5.841−04	5.488−04	5.599−04	5.812−04
93	120	2.270−03	2.086−03	2.026−03	1.981−03	1.962−03	1.951−03	1.989−03	2.051−03
93	121	1.008−03	1.214−03	1.299−03	1.384−03	1.572−03	1.814−03	1.942−03	2.082−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
93	122	1.577−02	1.886−02	2.016−02	2.150−02	2.444−02	2.866−02	3.071−02	3.304−02
93	123	5.304−05	4.130−05	3.736−05	3.413−05	3.094−05	2.635−05	2.624−05	2.680−05
93	124	2.496−03	2.965−03	3.169−03	3.380−03	3.848−03	4.523−03	4.856−03	5.232−03
93	125	3.549−04	3.171−04	3.000−04	2.871−04	2.916−04	2.670−04	2.709−04	2.803−04
94	95	1.519−03	1.401−03	1.368−03	1.345−03	1.350−03	1.352−03	1.384−03	1.433−03
94	96	8.106−04	5.498−04	4.670−04	3.968−04	2.996−04	2.082−04	1.957−04	1.924−04
94	97	3.848−03	3.640−03	3.578−03	3.538−03	3.565−03	3.744−03	3.886−03	4.051−03
94	98	2.847−04	1.723−04	1.387−04	1.101−04	6.561−05	3.046−05	2.436−05	2.122−05
94	99	4.562−04	3.072−04	2.555−04	2.098−04	1.410−04	7.557−05	6.194−05	5.293−05
94	100	6.824−04	5.850−04	5.558−04	5.325−04	5.069−04	4.887−04	4.956−04	5.096−04
94	101	8.653−04	7.694−04	7.330−04	7.053−04	6.968−04	6.651−04	6.753−04	6.965−04
94	102	1.056−03	9.080−04	8.621−04	8.250−04	7.833−04	7.512−04	7.596−04	7.793−04
94	103	8.617−04	7.792−04	7.568−04	7.403−04	7.282−04	7.281−04	7.435−04	7.679−04
94	104	5.721−03	5.182−03	4.932−03	4.740−03	4.732−03	4.479−03	4.535−03	4.670−03
94	105	3.549−04	2.678−04	2.387−04	2.147−04	1.864−04	1.596−04	1.593−04	1.631−04
94	106	2.914−01	3.371−01	3.537−01	3.710−01	4.106−01	4.671−01	4.940−01	5.260−01
94	107	8.154−03	6.785−03	5.990−03	5.309−03	4.787−03	3.654−03	3.436−03	3.354−03
94	108	1.150+00	1.332+00	1.399+00	1.468+00	1.626+00	1.853+00	1.960+00	2.088+00
94	109	1.105+00	1.282+00	1.348+00	1.417+00	1.573+00	1.800+00	1.907+00	2.034+00
94	110	1.726−03	9.818−04	7.721−04	5.930−04	2.854−04	9.708−05	6.019−05	3.796−05
94	111	6.053−01	7.029−01	7.395−01	7.775−01	8.638−01	9.896−01	1.049+00	1.119+00
94	112	1.111+00	1.327+00	1.416+00	1.507+00	1.707+00	1.989+00	2.127+00	2.284+00
94	113	2.457−02	2.945−02	3.146−02	3.351−02	3.799−02	4.420−02	4.729−02	5.077−02
94	114	2.220−02	2.136−02	2.114−02	2.101−02	2.107−02	2.154−02	2.200−02	2.269−02
94	115	2.054−03	1.171−03	9.199−04	7.059−04	3.478−04	1.072−04	6.265−05	3.736−05
94	116	9.281−03	8.897−03	8.813−03	8.768−03	8.819−03	9.037−03	9.248−03	9.554−03
94	117	3.361−03	2.754−03	2.576−03	2.427−03	2.208−03	2.093−03	2.103−03	2.146−03
94	118	1.123−02	1.093−02	1.088−02	1.088−02	1.107−02	1.140−02	1.169−02	1.210−02
94	119	4.229−02	4.149−02	4.139−02	4.145−02	4.220−02	4.356−02	4.465−02	4.620−02
94	120	7.865−02	9.409−02	1.006−01	1.072−01	1.218−01	1.427−01	1.529−01	1.644−01
94	121	4.989−03	4.794−03	4.748−03	4.722−03	4.746−03	4.856−03	4.966−03	5.127−03
94	122	2.410−02	2.373−02	2.369−02	2.375−02	2.424−02	2.504−02	2.568−02	2.658−02
94	123	4.881−02	4.839−02	4.841−02	4.859−02	4.967−02	5.139−02	5.270−02	5.453−02
94	124	1.702−03	1.662−03	1.651−03	1.645−03	1.661−03	1.701−03	1.738−03	1.793−03
94	125	3.056−03	2.992−03	2.977−03	2.976−03	3.043−03	3.120−03	3.200−03	3.313−03
95	96	8.932−03	7.807−03	7.461−03	7.178−03	6.840−03	6.643−03	6.726−03	6.899−03
95	97	2.347−03	1.613−03	1.407−03	1.236−03	9.695−04	7.931−04	7.784−04	7.874−04
95	98	5.603−02	4.852−02	4.627−02	4.457−02	4.342−02	4.202−02	4.282−02	4.427−02
95	99	2.530−02	2.204−02	2.096−02	2.013−02	1.966−02	1.877−02	1.906−02	1.967−02
95	100	2.489−02	2.282−02	2.217−02	2.174−02	2.185−02	2.166−02	2.217−02	2.297−02
95	101	1.974−03	1.192−03	9.638−04	7.731−04	4.895−04	2.582−04	2.249−04	2.141−04
95	102	2.712−02	2.149−02	1.966−02	1.821−02	1.686−02	1.503−02	1.511−02	1.554−02
95	103	1.344−02	1.083−02	9.920−03	9.188−03	8.592−03	7.612−03	7.631−03	7.831−03
95	104	1.957−03	1.293−03	1.079−03	9.029−04	6.970−04	4.443−04	4.161−04	4.151−04
95	105	4.539−03	2.996−03	2.501−03	2.096−03	1.632−03	1.055−03	9.944−04	9.980−04
95	106	3.312−05	2.205−05	1.872−05	1.594−05	1.207−05	8.642−06	8.255−06	8.244−06
95	107	3.928−04	2.719−04	2.301−04	1.960−04	1.626−04	1.092−04	1.040−04	1.047−04
95	108	1.025−03	1.017−03	1.006−03	1.002−03	1.034−03	1.054−03	1.080−03	1.121−03
95	109	7.094−05	1.024−04	1.155−04	1.268−04	1.321−04	1.723−04	1.803−04	1.885−04
95	110	1.803−04	3.192−04	3.769−04	4.250−04	4.410−04	6.064−04	6.337−04	6.602−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
95	111	2.413−05	1.674−05	1.454−05	1.273−05	1.038−05	8.144−06	7.990−06	8.126−06
95	112	3.191−05	2.409−05	2.160−05	1.958−05	1.749−05	1.476−05	1.471−05	1.508−05
95	113	2.665−05	2.402−05	2.281−05	2.191−05	2.236−05	2.060−05	2.091−05	2.165−05
95	114	1.585−03	1.088−03	9.087−04	7.466−04	4.921−04	2.559−04	2.015−04	1.613−04
95	115	6.413−03	5.315−03	4.723−03	4.206−03	3.744−03	2.936−03	2.779−03	2.717−03
95	116	9.858−04	8.317−04	7.599−04	6.993−04	6.527−04	5.605−04	5.519−04	5.569−04
95	117	1.641−02	1.372−02	1.237−02	1.121−02	1.027−02	8.478−03	8.221−03	8.199−03
95	118	4.218−05	2.477−05	1.986−05	1.574−05	9.113−06	4.413−06	3.674−06	3.372−06
95	119	2.198−02	1.760−02	1.549−02	1.363−02	1.165−02	8.773−03	8.196−03	7.915−03
95	120	2.512−05	2.345−05	2.248−05	2.177−05	2.264−05	2.102−05	2.138−05	2.215−05
95	121	1.174−04	7.649−05	6.275−05	5.047−05	3.062−05	1.361−05	9.798−06	7.020−06
95	122	5.803−03	5.100−03	4.735−03	4.436−03	4.311−03	3.851−03	3.837−03	3.910−03
95	123	1.751−03	1.543−03	1.454−03	1.382−03	1.354−03	1.252−03	1.262−03	1.295−03
95	124	7.822−03	6.639−03	6.019−03	5.491−03	5.105−03	4.294−03	4.185−03	4.191−03
95	125	1.521−03	1.256−03	1.124−03	1.010−03	9.133−04	7.368−04	7.090−04	7.034−04
96	97	1.563−02	1.268−02	1.170−02	1.088−02	9.999−03	8.972−03	8.980−03	9.169−03
96	98	1.559−02	1.208−02	1.061−02	9.361−03	7.970−03	6.129−03	5.819−03	5.714−03
96	99	6.059−03	4.558−03	3.970−03	3.442−03	2.639−03	1.941−03	1.765−03	1.650−03
96	100	2.610−03	1.908−03	1.649−03	1.414−03	1.026−03	7.393−04	6.607−04	6.049−04
96	101	2.183−03	1.861−03	1.718−03	1.603−03	1.548−03	1.367−03	1.366−03	1.398−03
96	102	1.058−02	8.374−03	7.567−03	6.865−03	5.954−03	4.963−03	4.838−03	4.826−03
96	103	7.362−03	5.256−03	4.544−03	3.944−03	3.208−03	2.363−03	2.257−03	2.243−03
96	104	8.732−04	7.843−04	7.503−04	7.195−04	6.678−04	6.513−04	6.510−04	6.582−04
96	105	2.499−02	2.284−02	2.200−02	2.141−02	2.162−02	2.097−02	2.139−02	2.215−02
96	106	1.272−02	1.465−02	1.534−02	1.605−02	1.771−02	2.004−02	2.116−02	2.249−02
96	107	7.861−04	6.593−04	5.815−04	5.133−04	4.511−04	3.428−04	3.173−04	3.041−04
96	108	1.690−02	1.948−02	2.040−02	2.135−02	2.356−02	2.669−02	2.819−02	2.997−02
96	109	1.910−02	2.210−02	2.322−02	2.437−02	2.699−02	3.080−02	3.260−02	3.473−02
96	110	8.106−02	9.392−02	9.862−02	1.035−01	1.146−01	1.306−01	1.381−01	1.471−01
96	111	7.360−05	6.085−05	5.618−05	5.252−05	5.078−05	4.478−05	4.512−05	4.653−05
96	112	2.609−03	3.075−03	3.269−03	3.467−03	3.907−03	4.531−03	4.839−03	5.191−03
96	113	1.778−05	1.320−05	1.175−05	1.058−05	9.278−06	7.739−06	7.688−06	7.862−06
96	114	7.426−03	5.222−03	4.420−03	3.700−03	2.594−03	1.572−03	1.338−03	1.176−03
96	115	9.514−03	8.369−03	7.906−03	7.535−03	7.320−03	6.875−03	6.933−03	7.112−03
96	116	1.972−03	1.629−03	1.433−03	1.260−03	1.089−03	8.174−04	7.534−04	7.188−04
96	117	2.619−03	1.772−03	1.486−03	1.231−03	8.162−04	4.657−04	3.888−04	3.347−04
96	118	7.227−03	6.427−03	6.050−03	5.749−03	5.650−03	5.226−03	5.259−03	5.392−03
96	119	4.377−03	3.692−03	3.390−03	3.135−03	2.921−03	2.563−03	2.535−03	2.564−03
96	120	1.200−05	1.121−05	1.110−05	1.104−05	1.123−05	1.173−05	1.233−05	1.301−05
96	121	1.179−03	9.244−04	8.012−04	6.926−04	5.728−04	4.045−04	3.671−04	3.462−04
96	122	5.252−03	4.325−03	3.898−03	3.531−03	3.180−03	2.638−03	2.558−03	2.549−03
96	123	1.624−03	1.245−03	1.083−03	9.412−04	7.784−04	5.633−04	5.225−04	5.027−04
96	124	4.246−04	3.412−04	2.988−04	2.614−04	2.217−04	1.649−04	1.521−04	1.453−04
96	125	2.747−03	1.901−03	1.595−03	1.321−03	9.045−04	5.083−04	4.206−04	3.593−04
97	98	3.823−03	2.380−03	1.928−03	1.533−03	8.930−04	3.841−04	2.792−04	2.099−04
97	99	7.440−03	5.486−03	4.804−03	4.229−03	3.545−03	2.715−03	2.618−03	2.612−03
97	100	2.294−03	1.545−03	1.326−03	1.137−03	8.200−04	6.181−04	5.841−04	5.707−04
97	101	1.619−03	1.286−03	1.185−03	1.102−03	9.909−04	9.041−04	9.065−04	9.259−04
97	102	5.724−03	4.176−03	3.561−03	3.032−03	2.419−03	1.617−03	1.470−03	1.402−03
97	103	9.375−03	8.537−03	8.259−03	8.028−03	7.729−03	7.680−03	7.774−03	7.957−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
97	104	5.882−03	5.214−03	4.981−03	4.792−03	4.639−03	4.438−03	4.494−03	4.614−03
97	105	1.014−02	8.686−03	8.173−03	7.767−03	7.490−03	6.997−03	7.076−03	7.281−03
97	106	1.137−02	1.309−02	1.370−02	1.434−02	1.582−02	1.788−02	1.887−02	2.005−02
97	107	2.845−03	2.447−03	2.267−03	2.121−03	2.049−03	1.818−03	1.816−03	1.855−03
97	108	5.960−02	6.894−02	7.229−02	7.574−02	8.370−02	9.491−02	1.003−01	1.066−01
97	109	1.139−01	1.319−01	1.385−01	1.453−01	1.608−01	1.830−01	1.935−01	2.060−01
97	110	1.361−04	8.778−05	7.345−05	6.134−05	4.288−05	2.881−05	2.678−05	2.613−05
97	111	4.265−02	4.944−02	5.194−02	5.454−02	6.046−02	6.898−02	7.301−02	7.780−02
97	112	7.564−02	9.031−02	9.632−02	1.024−01	1.158−01	1.347−01	1.439−01	1.544−01
97	113	2.566−03	3.071−03	3.278−03	3.487−03	3.946−03	4.573−03	4.887−03	5.241−03
97	114	1.786−02	1.567−02	1.466−02	1.384−02	1.338−02	1.225−02	1.226−02	1.252−02
97	115	1.605−04	9.617−05	7.702−05	6.076−05	3.558−05	1.579−05	1.241−05	1.071−05
97	116	1.842−03	1.710−03	1.668−03	1.634−03	1.601−03	1.597−03	1.622−03	1.666−03
97	117	3.436−03	2.869−03	2.607−03	2.384−03	2.191−03	1.860−03	1.821−03	1.828−03
97	118	2.637−03	2.069−03	1.869−03	1.690−03	1.412−03	1.183−03	1.142−03	1.126−03
97	119	2.731−03	2.595−03	2.559−03	2.539−03	2.566−03	2.610−03	2.673−03	2.767−03
97	120	5.100−03	6.068−03	6.474−03	6.892−03	7.813−03	9.152−03	9.798−03	1.054−02
97	121	2.195−03	1.776−03	1.611−03	1.468−03	1.302−03	1.103−03	1.078−03	1.079−03
97	122	2.344−03	1.861−03	1.689−03	1.535−03	1.298−03	1.100−03	1.066−03	1.054−03
97	123	3.429−03	3.239−03	3.180−03	3.135−03	3.106−03	3.134−03	3.190−03	3.282−03
97	124	1.114−03	9.611−04	9.013−04	8.513−04	8.056−04	7.441−04	7.458−04	7.604−04
97	125	1.967−03	1.417−03	1.202−03	1.009−03	7.261−04	4.474−04	3.807−04	3.346−04
98	99	2.484−02	2.115−02	1.982−02	1.880−02	1.846−02	1.699−02	1.723−02	1.781−02
98	100	8.988−03	6.739−03	5.842−03	5.139−03	4.857−03	3.526−03	3.459−03	3.564−03
98	101	5.660−03	4.313−03	3.754−03	3.317−03	3.184−03	2.329−03	2.289−03	2.360−03
98	102	1.767−02	1.334−02	1.204−02	1.093−02	9.167−03	8.080−03	7.966−03	8.019−03
98	103	5.381−03	3.328−03	2.767−03	2.298−03	1.530−03	1.047−03	9.843−04	9.750−04
98	104	2.171−03	1.230−03	9.713−04	7.534−04	3.920−04	1.558−04	1.172−04	1.002−04
98	105	5.257−03	3.196−03	2.575−03	2.036−03	1.141−03	4.767−04	3.431−04	2.573−04
98	106	5.598−05	5.116−05	4.864−05	4.682−05	4.844−05	4.430−05	4.503−05	4.667−05
98	107	4.009−04	2.257−04	1.777−04	1.371−04	6.905−05	2.561−05	1.829−05	1.486−05
98	108	3.875−04	2.804−04	2.471−04	2.199−04	1.876−04	1.522−04	1.503−04	1.532−04
98	109	9.327−05	8.302−05	7.840−05	7.499−05	7.635−05	6.944−05	7.047−05	7.299−05
98	110	1.449−04	2.645−04	3.107−04	3.482−04	3.576−04	4.802−04	4.971−04	5.124−04
98	111	9.591−06	5.407−06	4.234−06	3.237−06	1.549−06	4.637−07	2.600−07	1.463−07
98	112	5.265−05	3.903−05	3.475−05	3.126−05	2.752−05	2.287−05	2.274−05	2.328−05
98	113	1.019−05	5.743−06	4.495−06	3.437−06	1.646−06	4.913−07	2.748−07	1.543−07
98	114	3.021−02	2.549−02	2.316−02	2.118−02	1.976−02	1.667−02	1.632−02	1.642−02
98	115	4.188−02	3.396−02	3.027−02	2.707−02	2.396−02	1.901−02	1.820−02	1.797−02
98	116	1.316−05	9.758−06	8.448−06	7.402−06	6.831−06	4.967−06	4.853−06	4.977−06
98	117	1.260−03	1.022−03	9.198−04	8.320−04	7.421−04	6.147−04	5.971−04	5.958−04
98	118	3.044−05	1.763−05	1.403−05	1.102−05	6.174−06	2.775−06	2.238−06	2.020−06
98	119	8.330−04	5.844−04	5.021−04	4.299−04	3.135−04	2.287−04	2.100−04	1.992−04
98	120	1.709−05	1.406−05	1.297−05	1.211−05	1.165−05	1.031−05	1.039−05	1.071−05
98	121	1.007−05	7.745−06	6.780−06	6.019−06	5.789−06	4.332−06	4.267−06	4.398−06
98	122	2.381−04	1.567−04	1.290−04	1.044−04	6.619−05	3.158−05	2.419−05	1.905−05
98	123	7.752−03	6.484−03	5.849−03	5.307−03	4.879−03	4.041−03	3.925−03	3.921−03
98	124	3.385−05	2.064−05	1.665−05	1.321−05	7.583−06	3.328−06	2.499−06	1.989−06
98	125	1.207−02	1.027−02	9.347−03	8.563−03	8.017−03	6.816−03	6.673−03	6.709−03
99	100	8.113−03	5.864−03	5.148−03	4.518−03	3.481−03	2.757−03	2.621−03	2.557−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
99	101	2.260−02	2.085−02	2.031−02	1.993−02	2.004−02	1.991−02	2.037−02	2.109−02
99	102	1.669−02	1.338−02	1.240−02	1.160−02	1.058−02	9.779−03	9.844−03	1.009−02
99	103	1.623−02	1.301−02	1.191−02	1.101−02	1.017−02	9.018−03	9.029−03	9.244−03
99	104	1.634−03	1.042−03	8.737−04	7.329−04	5.157−04	3.608−04	3.410−04	3.385−04
99	105	8.077−03	6.437−03	5.907−03	5.482−03	5.071−03	4.564−03	4.590−03	4.716−03
99	106	2.476−02	2.857−02	2.988−02	3.122−02	3.437−02	3.861−02	4.068−02	4.314−02
99	107	5.561−04	3.678−04	3.093−04	2.599−04	1.886−04	1.275−04	1.183−04	1.154−04
99	108	8.565−03	9.932−03	1.041−02	1.088−02	1.192−02	1.346−02	1.417−02	1.500−02
99	109	4.243−02	4.902−02	5.136−02	5.378−02	5.939−02	6.723−02	7.099−02	7.547−02
99	110	6.959−02	8.058−02	8.449−02	8.850−02	9.772−02	1.107−01	1.169−01	1.242−01
99	111	2.756−05	1.608−05	1.276−05	9.909−06	5.120−06	1.956−06	1.332−06	9.536−07
99	112	1.099−02	1.309−02	1.394−02	1.480−02	1.669−02	1.933−02	2.063−02	2.210−02
99	113	1.773−05	1.018−05	8.026−06	6.186−06	3.101−06	1.039−06	6.498−07	4.254−07
99	114	1.357−02	1.154−02	1.068−02	9.961−03	9.391−03	8.377−03	8.337−03	8.474−03
99	115	3.074−03	2.794−03	2.694−03	2.617−03	2.582−03	2.525−03	2.566−03	2.643−03
99	116	3.414−03	2.696−03	2.347−03	2.041−03	1.730−03	1.241−03	1.142−03	1.093−03
99	117	4.380−03	3.356−03	2.992−03	2.663−03	2.142−03	1.701−03	1.614−03	1.566−03
99	118	9.167−04	7.342−04	6.498−04	5.768−04	5.072−04	3.911−04	3.724−04	3.666−04
99	119	1.517−02	1.283−02	1.166−02	1.067−02	9.910−03	8.413−03	8.227−03	8.258−03
99	120	2.410−04	2.827−04	3.000−04	3.156−04	3.525−04	3.854−04	4.108−04	4.360−04
99	121	7.416−03	6.470−03	5.986−03	5.584−03	5.370−03	4.761−03	4.728−03	4.802−03
99	122	2.254−03	1.704−03	1.462−03	1.245−03	9.668−04	6.343−04	5.577−04	5.083−04
99	123	4.874−04	3.417−04	2.878−04	2.401−04	1.721−04	1.042−04	8.954−05	8.021−05
99	124	3.943−03	3.265−03	2.936−03	2.655−03	2.412−03	1.985−03	1.922−03	1.916−03
99	125	3.165−03	2.573−03	2.281−03	2.026−03	1.770−03	1.387−03	1.313−03	1.283−03
100	101	1.257−02	1.065−02	9.958−03	9.405−03	8.980−03	8.269−03	8.335−03	8.557−03
100	102	5.581−03	4.129−03	3.691−03	3.333−03	2.869−03	2.469−03	2.452−03	2.501−03
100	103	5.660−03	3.679−03	3.066−03	2.537−03	1.705−03	1.050−03	9.318−04	8.687−04
100	104	2.232−03	1.309−03	1.043−03	8.154−04	4.423−04	1.853−04	1.373−04	1.113−04
100	105	3.993−03	2.981−03	2.686−03	2.445−03	2.128−03	1.879−03	1.879−03	1.925−03
100	106	4.136−03	4.780−03	4.997−03	5.216−03	5.722−03	6.413−03	6.743−03	7.138−03
100	107	3.074−04	1.876−04	1.541−04	1.255−04	7.684−05	4.603−05	4.078−05	3.833−05
100	108	1.693−02	1.966−02	2.060−02	2.154−02	2.364−02	2.664−02	2.803−02	2.968−02
100	109	2.822−03	3.269−03	3.431−03	3.596−03	3.966−03	4.504−03	4.755−03	5.053−03
100	110	1.090−05	6.293−06	4.997−06	3.897−06	2.060−06	8.532−07	6.384−07	5.272−07
100	111	5.613−03	6.487−03	6.800−03	7.123−03	7.866−03	8.914−03	9.414−03	1.001−02
100	112	4.717−04	5.414−04	5.679−04	5.952−04	6.548−04	7.487−04	7.916−04	8.423−04
100	113	3.006−04	3.614−04	3.859−04	4.089−04	4.604−04	5.154−04	5.498−04	5.855−04
100	114	1.335−03	1.076−03	9.405−04	8.193−04	6.825−04	4.989−04	4.539−04	4.268−04
100	115	6.564−05	4.016−05	3.234−05	2.549−05	1.405−05	5.461−06	3.638−06	2.397−06
100	116	2.783−03	1.905−03	1.588−03	1.302−03	8.524−04	4.373−04	3.409−04	2.697−04
100	117	9.948−03	8.283−03	7.434−03	6.708−03	6.132−03	4.975−03	4.803−03	4.778−03
100	118	2.833−03	2.365−03	2.104−03	1.876−03	1.677−03	1.316−03	1.245−03	1.217−03
100	119	5.237−03	4.387−03	4.000−03	3.678−03	3.446−03	2.957−03	2.918−03	2.953−03
100	120	1.112−04	1.316−04	1.399−04	1.475−04	1.652−04	1.815−04	1.934−04	2.054−04
100	121	3.847−03	3.096−03	2.777−03	2.501−03	2.216−03	1.799−03	1.742−03	1.733−03
100	122	5.589−04	4.245−04	3.774−04	3.366−04	2.813−04	2.257−04	2.175−04	2.155−04
100	123	1.009−03	7.915−04	6.937−04	6.085−04	5.163−04	3.889−04	3.646−04	3.538−04
100	124	4.423−03	3.690−03	3.309−03	2.982−03	2.710−03	2.206−03	2.124−03	2.107−03
100	125	1.201−03	9.601−04	8.484−04	7.518−04	6.555−04	5.093−04	4.836−04	4.745−04

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
101	102	1.376−03	7.486−04	5.828−04	4.432−04	1.974−04	5.824−05	3.436−05	2.302−05
101	103	2.622−03	2.054−03	1.883−03	1.738−03	1.525−03	1.375−03	1.371−03	1.392−03
101	104	1.018−03	6.230−04	5.118−04	4.165−04	2.519−04	1.516−04	1.346−04	1.260−04
101	105	1.527−03	9.237−04	7.476−04	5.982−04	3.590−04	1.892−04	1.590−04	1.446−04
101	106	-2.478−05	1.710−05	3.489−05	4.864−05	4.345−05	8.973−05	9.200−05	9.224−05
101	107	4.787−04	4.189−04	4.054−04	3.956−04	3.870−04	4.044−04	4.240−04	4.469−04
101	108	4.435−05	2.624−05	2.115−05	1.686−05	9.891−06	5.131−06	4.378−06	4.068−06
101	109	7.428−06	5.542−06	4.963−06	4.500−06	4.029−06	3.404−06	3.409−06	3.511−06
101	110	4.519−06	3.403−06	3.040−06	2.747−06	2.451−06	2.040−06	2.029−06	2.076−06
101	111	3.104−06	4.083−06	4.703−06	5.118−06	3.790−06	6.423−06	6.378−06	6.240−06
101	112	1.755−04	2.016−04	2.122−04	2.233−04	2.471−04	2.861−04	3.039−04	3.247−04
101	113	6.773−03	8.018−03	8.526−03	9.045−03	1.018−02	1.183−02	1.262−02	1.353−02
101	114	6.822−05	4.427−05	3.627−05	2.911−05	1.732−05	7.478−06	5.234−06	3.566−06
101	115	5.042−06	2.857−06	2.254−06	1.747−06	9.009−07	3.498−07	2.578−07	2.156−07
101	116	5.707−03	4.720−03	4.235−03	3.816−03	3.446−03	2.798−03	2.696−03	2.675−03
101	117	4.866−03	4.097−03	3.712−03	3.384−03	3.127−03	2.621−03	2.555−03	2.558−03
101	118	1.009−03	6.663−04	5.485−04	4.422−04	2.683−04	1.171−04	8.192−05	5.528−05
101	119	1.420−04	8.408−05	6.714−05	5.258−05	2.824−05	1.106−05	7.723−06	5.709−06
101	120	1.173−02	1.398−02	1.490−02	1.585−02	1.794−02	2.094−02	2.239−02	2.404−02
101	121	3.729−04	2.493−04	2.065−04	1.678−04	1.051−04	5.034−05	3.766−05	2.814−05
101	122	5.721−04	4.523−04	4.022−04	3.587−04	3.124−04	2.449−04	2.350−04	2.325−04
101	123	1.636−04	1.252−04	1.108−04	9.814−05	7.936−05	6.377−05	6.029−05	5.855−05
101	124	2.803−03	2.257−03	1.970−03	1.720−03	1.475−03	1.079−03	9.937−04	9.504−04
101	125	6.650−04	5.669−04	5.192−04	4.775−04	4.342−04	3.747−04	3.642−04	3.626−04
102	103	2.618−02	2.279−02	2.169−02	2.083−02	2.013−02	1.929−02	1.957−02	2.015−02
102	104	3.437−03	2.711−03	2.382−03	2.128−03	2.113−03	1.572−03	1.553−03	1.605−03
102	105	2.538−02	2.184−02	2.031−02	1.913−02	1.891−02	1.700−02	1.714−02	1.766−02
102	106	1.007−04	5.914−05	4.747−05	3.761−05	2.144−05	1.059−05	8.811−06	8.023−06
102	107	4.888−04	3.809−04	3.339−04	2.975−04	2.926−04	2.176−04	2.148−04	2.221−04
102	108	6.239−03	7.022−03	7.287−03	7.565−03	8.249−03	9.168−03	9.632−03	1.019−02
102	109	7.049−03	7.992−03	8.304−03	8.631−03	9.454−03	1.051−02	1.104−02	1.169−02
102	110	2.963−02	3.416−02	3.570−02	3.728−02	4.093−02	4.597−02	4.837−02	5.125−02
102	111	8.648−04	8.238−04	7.923−04	7.711−04	8.153−04	7.554−04	7.698−04	7.991−04
102	112	1.975−04	1.519−04	1.368−04	1.246−04	1.132−04	9.583−05	9.559−05	9.799−05
102	113	2.217−05	2.090−05	2.011−05	1.958−05	2.049−05	1.918−05	1.956−05	2.029−05
102	114	8.348−03	6.564−03	5.882−03	5.302−03	4.670−03	3.826−03	3.732−03	3.741−03
102	115	2.462−02	1.986−02	1.784−02	1.613−02	1.451−02	1.195−02	1.164−02	1.167−02
102	116	2.550−03	2.281−03	2.176−03	2.095−03	2.081−03	1.987−03	2.018−03	2.082−03
102	117	1.338−03	1.132−03	1.062−03	1.007−03	9.710−04	9.064−04	9.177−04	9.461−04
102	118	4.271−04	3.235−04	2.812−04	2.470−04	2.293−04	1.657−04	1.610−04	1.641−04
102	119	7.394−03	5.921−03	5.250−03	4.672−03	4.111−03	3.240−03	3.096−03	3.056−03
102	120	6.924−06	4.436−06	3.706−06	3.093−06	2.164−06	1.443−06	1.345−06	1.320−06
102	121	3.336−04	2.257−04	1.889−04	1.576−04	1.186−04	7.234−05	6.546−05	6.287−05
102	122	6.485−03	5.408−03	4.878−03	4.428−03	4.088−03	3.384−03	3.294−03	3.299−03
102	123	1.236−02	1.012−02	9.022−03	8.073−03	7.186−03	5.707−03	5.458−03	5.381−03
102	124	7.744−03	6.743−03	6.172−03	5.692−03	5.422−03	4.669−03	4.584−03	4.619−03
102	125	1.509−02	1.278−02	1.159−02	1.059−02	9.862−03	8.293−03	8.093−03	8.117−03
103	104	1.131−02	1.002−02	9.516−03	9.139−03	9.095−03	8.614−03	8.753−03	9.046−03
103	105	9.453−03	8.188−03	7.634−03	7.196−03	7.059−03	6.306−03	6.330−03	6.496−03
103	106	1.307−03	1.462−03	1.510−03	1.561−03	1.692−03	1.859−03	1.946−03	2.051−03

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
103	107	3.082−03	2.641−03	2.429−03	2.259−03	2.202−03	1.922−03	1.917−03	1.960−03
103	108	6.723−04	6.735−04	6.759−04	6.825−04	7.177−04	7.705−04	8.058−04	8.511−04
103	109	1.650−02	1.904−02	1.990−02	2.079−02	2.285−02	2.564−02	2.699−02	2.860−02
103	110	1.309−01	1.513−01	1.583−01	1.654−01	1.819−01	2.044−01	2.153−01	2.283−01
103	111	1.457−04	1.207−04	1.113−04	1.039−04	1.004−04	8.832−05	8.888−05	9.154−05
103	112	9.339−03	1.082−02	1.137−02	1.194−02	1.324−02	1.515−02	1.605−02	1.711−02
103	113	1.336−04	1.289−04	1.246−04	1.217−04	1.291−04	1.207−04	1.230−04	1.277−04
103	114	9.074−03	7.873−03	7.274−03	6.776−03	6.446−03	5.722−03	5.670−03	5.744−03
103	115	1.385−02	1.225−02	1.154−02	1.097−02	1.067−02	9.932−03	9.989−03	1.023−02
103	116	1.817−03	1.515−03	1.404−03	1.309−03	1.197−03	1.083−03	1.077−03	1.091−03
103	117	1.026−03	8.016−04	7.010−04	6.134−04	5.195−04	3.816−04	3.549−04	3.430−04
103	118	2.935−03	2.468−03	2.217−03	2.006−03	1.885−03	1.531−03	1.487−03	1.491−03
103	119	9.742−03	7.871−03	6.977−03	6.211−03	5.553−03	4.324−03	4.134−03	4.089−03
103	120	1.946−04	2.264−04	2.390−04	2.503−04	2.790−04	3.008−04	3.198−04	3.386−04
103	121	2.499−03	2.300−03	2.212−03	2.146−03	2.151−03	2.080−03	2.113−03	2.179−03
103	122	1.969−03	1.447−03	1.267−03	1.105−03	8.465−04	6.284−04	5.840−04	5.572−04
103	123	5.718−03	4.340−03	3.759−03	3.244−03	2.605−03	1.815−03	1.656−03	1.565−03
103	124	2.587−03	1.948−03	1.693−03	1.469−03	1.191−03	8.520−04	7.904−04	7.596−04
103	125	8.058−03	6.655−03	5.958−03	5.356−03	4.816−03	3.891−03	3.739−03	3.700−03
104	105	1.218−02	1.108−02	1.073−02	1.047−02	1.042−02	1.024−02	1.045−02	1.080−02
104	106	4.764−03	5.384−03	5.575−03	5.776−03	6.304−03	6.934−03	7.268−03	7.676−03
104	107	3.684−03	3.522−03	3.490−03	3.479−03	3.560−03	3.815−03	3.990−03	4.182−03
104	108	3.911−04	3.695−04	3.545−04	3.443−04	3.628−04	3.351−04	3.414−04	3.543−04
104	109	6.309−05	5.638−05	5.329−05	5.101−05	5.205−05	4.732−05	4.803−05	4.974−05
104	110	4.961−05	4.520−05	4.294−05	4.131−05	4.265−05	3.899−05	3.962−05	4.107−05
104	111	5.265−03	6.079−03	6.360−03	6.649−03	7.319−03	8.236−03	8.679−03	9.207−03
104	112	1.079−02	1.254−02	1.321−02	1.390−02	1.543−02	1.772−02	1.878−02	2.004−02
104	113	1.679−01	1.949−01	2.050−01	2.155−01	2.394−01	2.743−01	2.908−01	3.102−01
104	114	3.760−04	2.446−04	2.006−04	1.616−04	1.002−04	4.610−05	3.450−05	2.641−05
104	115	4.070−05	3.036−05	2.632−05	2.314−05	2.164−05	1.580−05	1.549−05	1.593−05
104	116	5.552−04	4.218−04	3.670−04	3.181−04	2.506−04	1.792−04	1.630−04	1.530−04
104	117	9.447−04	8.580−04	8.297−04	8.075−04	7.915−04	7.774−04	7.905−04	8.135−04
104	118	6.090−05	4.114−05	3.453−05	2.869−05	1.943−05	1.191−05	1.017−05	9.010−06
104	119	2.721−04	2.118−04	1.858−04	1.654−04	1.610−04	1.204−04	1.186−04	1.223−04
104	120	1.633−01	1.947−01	2.076−01	2.207−01	2.494−01	2.900−01	3.099−01	3.325−01
104	121	6.284−04	4.328−04	3.648−04	3.034−04	2.047−04	1.191−04	1.006−04	8.713−05
104	122	2.792−03	2.196−03	1.937−03	1.707−03	1.426−03	1.085−03	1.017−03	9.822−04
104	123	6.743−03	5.511−03	4.842−03	4.255−03	3.704−03	2.775−03	2.577−03	2.481−03
104	124	6.748−03	6.580−03	6.549−03	6.546−03	6.663−03	6.851−03	7.025−03	7.270−03
104	125	5.932−03	5.672−03	5.576−03	5.504−03	5.472−03	5.524−03	5.616−03	5.771−03
105	106	7.963−04	8.823−04	9.047−04	9.295−04	1.010−03	1.084−03	1.131−03	1.190−03
105	107	3.496−03	3.247−03	3.174−03	3.124−03	3.123−03	3.130−03	3.201−03	3.309−03
105	108	3.650−04	3.441−04	3.323−04	3.246−04	3.380−04	3.245−04	3.327−04	3.467−04
105	109	9.178−03	1.070−02	1.120−02	1.171−02	1.284−02	1.442−02	1.515−02	1.603−02
105	110	1.378−05	7.892−06	6.227−06	4.808−06	2.411−06	8.686−07	5.782−07	4.136−07
105	111	2.641−02	3.047−02	3.186−02	3.328−02	3.662−02	4.111−02	4.329−02	4.590−02
105	112	1.041−02	1.207−02	1.268−02	1.332−02	1.476−02	1.685−02	1.784−02	1.901−02
105	113	3.438−04	3.912−04	4.094−04	4.280−04	4.665−04	5.329−04	5.621−04	5.966−04
105	114	2.626−03	2.284−03	2.102−03	1.952−03	1.873−03	1.638−03	1.620−03	1.642−03
105	115	2.712−04	1.790−04	1.472−04	1.186−04	7.161−05	3.110−05	2.164−05	1.442−05

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
105	116	1.676−04	1.308−04	1.144−04	1.006−04	8.904−05	6.626−05	6.313−05	6.259−05
105	117	4.039−04	3.073−04	2.747−04	2.459−04	2.008−04	1.652−04	1.590−04	1.566−04
105	118	1.520−03	1.341−03	1.272−03	1.216−03	1.190−03	1.120−03	1.133−03	1.165−03
105	119	2.101−04	1.453−04	1.231−04	1.048−04	8.623−05	5.841−05	5.551−05	5.576−05
105	120	1.650−03	1.931−03	2.044−03	2.158−03	2.423−03	2.749−03	2.928−03	3.128−03
105	121	4.257−03	3.702−03	3.419−03	3.184−03	3.062−03	2.703−03	2.683−03	2.725−03
105	122	1.112−02	9.347−03	8.421−03	7.631−03	7.039−03	5.784−03	5.604−03	5.591−03
105	123	1.608−02	1.310−02	1.182−02	1.072−02	9.630−03	7.987−03	7.778−03	7.776−03
105	124	2.420−04	1.966−04	1.827−04	1.708−04	1.514−04	1.411−04	1.406−04	1.423−04
105	125	3.411−03	2.780−03	2.488−03	2.241−03	2.037−03	1.661−03	1.611−03	1.611−03
106	107	5.351−03	6.016−03	6.218−03	6.431−03	7.006−03	7.681−03	8.045−03	8.492−03
106	108	1.068−02	7.262−03	6.114−03	5.101−03	3.525−03	2.168−03	1.891−03	1.715−03
106	109	2.992−02	2.846−02	2.819−02	2.806−02	2.822−02	2.901−02	2.976−02	3.080−02
106	110	6.268−02	6.071−02	6.045−02	6.044−02	6.112−02	6.315−02	6.478−02	6.703−02
106	111	3.187−03	2.613−03	2.437−03	2.294−03	2.128−03	2.000−03	2.018−03	2.070−03
106	112	1.013−02	9.065−03	8.790−03	8.583−03	8.369−03	8.383−03	8.556−03	8.831−03
106	113	1.231−02	1.034−02	9.227−03	8.290−03	7.685−03	6.113−03	5.870−03	5.830−03
106	114	8.255−03	7.317−03	6.895−03	6.581−03	6.687−03	6.063−03	6.151−03	6.369−03
106	115	1.480−02	1.373−02	1.311−02	1.267−02	1.322−02	1.218−02	1.240−02	1.286−02
106	116	7.820−01	9.067−01	9.535−01	1.002+00	1.113+00	1.275+00	1.352+00	1.442+00
106	117	6.740−01	7.811−01	8.213−01	8.631−01	9.585−01	1.098+00	1.163+00	1.241+00
106	118	2.780−01	3.222−01	3.388−01	3.561−01	3.955−01	4.530−01	4.801−01	5.121−01
106	119	1.735−03	9.780−04	7.668−04	5.874−04	2.824−04	8.708−05	5.140−05	3.182−05
106	120	1.644−03	1.487−03	1.444−03	1.411−03	1.377−03	1.377−03	1.403−03	1.446−03
106	121	2.272−01	2.709−01	2.887−01	3.068−01	3.464−01	4.019−01	4.292−01	4.601−01
106	122	3.523−02	4.122−02	4.373−02	4.631−02	5.208−02	6.029−02	6.437−02	6.902−02
106	123	1.148−01	1.358−01	1.445−01	1.533−01	1.730−01	2.007−01	2.144−01	2.299−01
106	124	5.217−03	6.172−03	6.573−03	6.984−03	7.909−03	9.187−03	9.829−03	1.056−02
106	125	3.360−03	3.904−03	4.136−03	4.379−03	4.938−03	5.732−03	6.130−03	6.586−03
107	108	2.134−04	2.005−04	1.919−04	1.859−04	1.957−04	1.800−04	1.833−04	1.903−04
107	109	7.784−05	7.062−05	6.697−05	6.430−05	6.616−05	6.019−05	6.111−05	6.329−05
107	110	3.022−05	2.197−05	1.936−05	1.723−05	1.483−05	1.196−05	1.181−05	1.204−05
107	111	1.825−02	2.084−02	2.168−02	2.255−02	2.468−02	2.738−02	2.874−02	3.040−02
107	112	6.178−02	7.175−02	7.535−02	7.903−02	8.735−02	9.936−02	1.050−01	1.117−01
107	113	6.619−01	7.669−01	8.055−01	8.455−01	9.369−01	1.068+00	1.130+00	1.204+00
107	114	2.923−04	1.927−04	1.589−04	1.289−04	8.290−05	4.045−05	3.159−05	2.555−05
107	115	5.415−05	3.312−05	2.691−05	2.175−05	1.444−05	8.045−06	7.197−06	7.002−06
107	116	1.380−03	1.324−03	1.312−03	1.307−03	1.315−03	1.349−03	1.381−03	1.427−03
107	117	6.290−04	5.758−04	5.588−04	5.452−04	5.288−04	5.275−04	5.346−04	5.481−04
107	118	8.037−05	5.698−05	4.957−05	4.311−05	3.313−05	2.624−05	2.554−05	2.541−05
107	119	1.837−04	1.453−04	1.279−04	1.146−04	1.136−04	8.557−05	8.457−05	8.740−05
107	120	1.319+00	1.533+00	1.615+00	1.700+00	1.891+00	2.174+00	2.307+00	2.464+00
107	121	3.107−04	2.786−04	2.698−04	2.637−04	2.634−04	2.758−04	2.879−04	3.013−04
107	122	2.332−03	2.156−03	2.088−03	2.030−03	1.958−03	1.930−03	1.946−03	1.986−03
107	123	2.486−03	2.229−03	2.133−03	2.055−03	2.001−03	1.937−03	1.960−03	2.012−03
107	124	2.817−02	2.736−02	2.722−02	2.719−02	2.757−02	2.837−02	2.908−02	3.008−02
107	125	4.910−02	4.777−02	4.754−02	4.752−02	4.824−02	4.967−02	5.091−02	5.267−02
108	109	4.747−02	4.533−02	4.497−02	4.481−02	4.508−02	4.642−02	4.760−02	4.925−02
108	110	4.365−02	4.110−02	4.059−02	4.028−02	4.021−02	4.122−02	4.222−02	4.365−02
108	111	1.465−02	1.407−02	1.393−02	1.385−02	1.389−02	1.423−02	1.455−02	1.502−02

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
108	112	4.991−02	4.788−02	4.744−02	4.724−02	4.782−02	4.900−02	5.026−02	5.203−02
108	113	2.362−02	2.063−02	1.906−02	1.777−02	1.713−02	1.515−02	1.503−02	1.526−02
108	114	2.318−02	2.359−02	2.366−02	2.390−02	2.558−02	2.702−02	2.823−02	2.982−02
108	115	1.073−02	8.932−03	8.257−03	7.732−03	7.530−03	6.653−03	6.711−03	6.927−03
108	116	2.234−01	2.582−01	2.712−01	2.847−01	3.157−01	3.607−01	3.820−01	4.073−01
108	117	7.198−01	8.332−01	8.755−01	9.195−01	1.020+00	1.166+00	1.235+00	1.317+00
108	118	1.783−03	1.494−03	1.384−03	1.299−03	1.272−03	1.127−03	1.138−03	1.175−03
108	119	2.198+00	2.549+00	2.681+00	2.818+00	3.130+00	3.587+00	3.802+00	4.056+00
108	120	4.957−03	4.555−03	4.390−03	4.263−03	4.235−03	4.133−03	4.197−03	4.322−03
108	121	2.167−03	1.903−03	1.790−03	1.704−03	1.720−03	1.558−03	1.580−03	1.635−03
108	122	2.088−02	2.309−02	2.392−02	2.484−02	2.753−02	3.046−02	3.225−02	3.436−02
108	123	8.759−02	1.020−01	1.079−01	1.140−01	1.280−01	1.470−01	1.567−01	1.679−01
108	124	1.601−02	1.908−02	2.037−02	2.167−02	2.458−02	2.857−02	3.057−02	3.284−02
108	125	1.883−02	2.243−02	2.394−02	2.549−02	2.891−02	3.379−02	3.617−02	3.888−02
109	110	4.860−02	4.182−02	3.981−02	3.813−02	3.571−02	3.455−02	3.489−02	3.569−02
109	111	3.525−02	3.265−02	3.196−02	3.145−02	3.111−02	3.138−02	3.205−02	3.307−02
109	112	1.910−02	1.785−02	1.753−02	1.730−02	1.716−02	1.739−02	1.776−02	1.833−02
109	113	1.565−03	1.442−03	1.396−03	1.362−03	1.353−03	1.332−03	1.356−03	1.397−03
109	114	2.290+00	2.648+00	2.778+00	2.912+00	3.222+00	3.662+00	3.872+00	4.121+00
109	115	9.173−03	7.635−03	7.064−03	6.620−03	6.444−03	5.712−03	5.765−03	5.952−03
109	116	6.453−02	7.300−02	7.606−02	7.933−02	8.743−02	9.848−02	1.040−01	1.107−01
109	117	3.746−01	4.316−01	4.525−01	4.744−01	5.250−01	5.973−01	6.319−01	6.730−01
109	118	3.828−03	3.540−03	3.379−03	3.265−03	3.397−03	3.132−03	3.187−03	3.306−03
109	119	1.931−01	2.210−01	2.313−01	2.421−01	2.678−01	3.041−01	3.217−01	3.426−01
109	120	1.646−02	1.369−02	1.210−02	1.075−02	9.825−03	7.528−03	7.131−03	7.013−03
109	121	1.005−03	8.104−04	7.436−04	6.913−04	6.584−04	5.790−04	5.834−04	6.021−04
109	122	1.766−01	2.097−01	2.231−01	2.368−01	2.669−01	3.089−01	3.295−01	3.531−01
109	123	4.579−01	5.442−01	5.793−01	6.150−01	6.936−01	8.036−01	8.577−01	9.193−01
109	124	1.101−02	1.305−02	1.390−02	1.477−02	1.672−02	1.939−02	2.074−02	2.227−02
109	125	2.985−03	3.391−03	3.562−03	3.746−03	4.195−03	4.825−03	5.147−03	5.523−03
110	111	3.233−03	1.941−03	1.550−03	1.210−03	6.475−04	2.351−04	1.491−04	9.255−05
110	112	3.085−02	2.883−02	2.820−02	2.775−02	2.771−02	2.783−02	2.843−02	2.935−02
110	113	1.030−04	6.306−05	5.067−05	3.984−05	2.201−05	8.400−06	5.502−06	3.539−06
110	114	6.040−01	6.956−01	7.287−01	7.631−01	8.433−01	9.564−01	1.011+00	1.075+00
110	115	3.795+00	4.389+00	4.605+00	4.828+00	5.343+00	6.074+00	6.423+00	6.836+00
110	116	9.324−03	8.498−03	8.076−03	7.772−03	8.024−03	7.358−03	7.481−03	7.755−03
110	117	1.838−01	2.094−01	2.186−01	2.283−01	2.520−01	2.843−01	3.004−01	3.196−01
110	118	2.994−03	2.558−03	2.385−03	2.252−03	2.232−03	1.997−03	2.020−03	2.087−03
110	119	3.460−01	3.976−01	4.169−01	4.370−01	4.837−01	5.511−01	5.834−01	6.217−01
110	120	2.763−02	2.365−02	2.142−02	1.955−02	1.849−02	1.543−02	1.505−02	1.511−02
110	121	5.447−03	4.976−03	4.733−03	4.558−03	4.705−03	4.322−03	4.394−03	4.554−03
110	122	5.383−03	4.566−03	4.250−03	4.003−03	3.940−03	3.523−03	3.559−03	3.675−03
110	123	1.620−02	1.761−02	1.831−02	1.907−02	2.093−02	2.369−02	2.520−02	2.693−02
110	124	1.209−04	6.931−05	5.478−05	4.243−05	2.163−05	7.954−06	5.474−06	4.127−06
110	125	2.250−02	2.693−02	2.877−02	3.063−02	3.473−02	4.033−02	4.315−02	4.631−02
111	112	9.672−03	8.812−03	8.472−03	8.211−03	8.118−03	7.903−03	8.023−03	8.259−03
111	113	7.268−05	4.633−05	3.802−05	3.071−05	1.870−05	9.460−06	7.537−06	6.215−06
111	114	4.184−03	3.884−03	3.712−03	3.591−03	3.748−03	3.461−03	3.524−03	3.657−03
111	115	1.294−03	7.320−04	5.742−04	4.398−04	2.123−04	6.446−05	3.696−05	2.147−05
111	116	1.909−01	2.207−01	2.316−01	2.430−01	2.690−01	3.061−01	3.239−01	3.448−01

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
111	117	7.175−04	4.195−04	3.363−04	2.660−04	1.498−04	7.260−05	6.011−05	5.454−05
111	118	4.056−01	4.694−01	4.928−01	5.170−01	5.726−01	6.519−01	6.897−01	7.344−01
111	119	6.062−03	5.642−03	5.393−03	5.219−03	5.448−03	5.030−03	5.121−03	5.312−03
111	120	5.183−03	4.305−03	3.785−03	3.339−03	3.006−03	2.241−03	2.092−03	2.032−03
111	121	1.668−01	1.932−01	2.032−01	2.136−01	2.371−01	2.716−01	2.879−01	3.071−01
111	122	3.737−01	4.455−01	4.745−01	5.040−01	5.683−01	6.582−01	7.023−01	7.524−01
111	123	1.641−03	1.417−03	1.328−03	1.259−03	1.257−03	1.137−03	1.152−03	1.192−03
111	124	3.863−03	4.589−03	4.894−03	5.208−03	5.898−03	6.887−03	7.370−03	7.920−03
111	125	5.754−04	5.339−04	5.107−04	4.940−04	5.135−04	4.762−04	4.847−04	5.026−04
112	113	3.615−03	3.463−03	3.436−03	3.425−03	3.454−03	3.554−03	3.645−03	3.772−03
112	114	3.042−03	2.145−03	1.869−03	1.642−03	1.360−03	1.067−03	1.047−03	1.064−03
112	115	5.435−03	4.451−03	4.093−03	3.814−03	3.674−03	3.218−03	3.242−03	3.344−03
112	116	3.741−03	3.568−03	3.520−03	3.500−03	3.602−03	3.761−03	3.909−03	4.111−03
112	117	1.629−02	1.772−02	1.820−02	1.873−02	2.021−02	2.215−02	2.321−02	2.452−02
112	118	5.476−03	5.929−03	6.085−03	6.258−03	6.730−03	7.389−03	7.742−03	8.178−03
112	119	1.034−02	9.545−03	9.097−03	8.780−03	9.138−03	8.394−03	8.541−03	8.860−03
112	120	2.948−02	2.683−02	2.564−02	2.472−02	2.451−02	2.350−02	2.380−02	2.447−02
112	121	3.163−01	3.650−01	3.820−01	3.995−01	4.403−01	4.965−01	5.236−01	5.560−01
112	122	7.005−01	8.091−01	8.478−01	8.879−01	9.807−01	1.111+00	1.173+00	1.247+00
112	123	1.422+00	1.643+00	1.723+00	1.805+00	1.995+00	2.261+00	2.388+00	2.540+00
112	124	5.307−03	5.885−03	6.109−03	6.353−03	7.035−03	7.830−03	8.295−03	8.843−03
112	125	1.584−02	1.845−02	1.949−02	2.057−02	2.307−02	2.637−02	2.808−02	3.003−02
113	114	9.462−05	8.695−05	8.276−05	7.980−05	8.307−05	7.608−05	7.743−05	8.036−05
113	115	2.821−05	1.595−05	1.251−05	9.576−06	4.611−06	1.398−06	8.009−07	4.654−07
113	116	3.412−03	3.787−03	3.899−03	4.020−03	4.373−03	4.776−03	5.002−03	5.282−03
113	117	1.871−04	1.676−04	1.583−04	1.515−04	1.555−04	1.409−04	1.431−04	1.484−04
113	118	8.609−03	9.855−03	1.025−02	1.066−02	1.166−02	1.292−02	1.355−02	1.432−02
113	119	1.896−04	1.777−04	1.701−04	1.648−04	1.730−04	1.595−04	1.624−04	1.686−04
113	120	5.775−02	5.493−02	5.436−02	5.408−02	5.447−02	5.587−02	5.730−02	5.931−02
113	121	4.885−02	5.649−02	5.911−02	6.178−02	6.797−02	7.642−02	8.047−02	8.532−02
113	122	1.753−02	2.020−02	2.113−02	2.209−02	2.434−02	2.745−02	2.895−02	3.073−02
113	123	8.688−04	7.784−04	7.353−04	7.036−04	7.199−04	6.536−04	6.635−04	6.873−04
113	124	1.107+00	1.284+00	1.350+00	1.420+00	1.578+00	1.810+00	1.919+00	2.048+00
113	125	1.383−02	1.214−02	1.141−02	1.087−02	1.097−02	9.924−03	1.006−02	1.041−02
114	115	4.981−02	4.009−02	3.706−02	3.453−02	3.112−02	2.847−02	2.848−02	2.901−02
114	116	1.136−02	9.211−03	8.481−03	7.914−03	7.556−03	6.763−03	6.825−03	7.047−03
114	117	2.085−02	1.676−02	1.545−02	1.439−02	1.334−02	1.208−02	1.214−02	1.247−02
114	118	6.095−03	4.141−03	3.466−03	2.896−03	2.214−03	1.351−03	1.227−03	1.185−03
114	119	2.036−02	1.636−02	1.513−02	1.417−02	1.331−02	1.220−02	1.233−02	1.273−02
114	120	3.001−04	2.421−04	2.214−04	2.050−04	1.946−04	1.685−04	1.691−04	1.741−04
114	121	2.891−03	1.814−03	1.476−03	1.180−03	6.975−04	3.137−04	2.344−04	1.817−04
114	122	2.311−02	2.063−02	1.980−02	1.919−02	1.901−02	1.845−02	1.881−02	1.945−02
114	123	3.272−02	2.835−02	2.704−02	2.603−02	2.528−02	2.448−02	2.493−02	2.575−02
114	124	1.105−03	9.325−04	8.667−04	8.149−04	7.871−04	7.133−04	7.183−04	7.387−04
114	125	2.332−02	1.969−02	1.766−02	1.595−02	1.476−02	1.198−02	1.154−02	1.148−02
115	116	8.253−03	5.894−03	5.038−03	4.355−03	3.875−03	2.710−03	2.630−03	2.693−03
115	117	2.451−02	2.053−02	1.916−02	1.810−02	1.753−02	1.609−02	1.628−02	1.680−02
115	118	3.436−03	2.282−03	1.907−03	1.603−03	1.279−03	8.326−04	7.904−04	7.994−04
115	119	3.144−02	2.476−02	2.290−02	2.141−02	1.946−02	1.817−02	1.836−02	1.890−02
115	120	1.025−04	5.978−05	4.790−05	3.788−05	2.127−05	1.040−05	8.621−06	7.843−06

Table 4: Effective collision strengths from the FAC code for transitions in Kr XXXII. ($a{\pm}b \equiv a{\times}10^{\pm b}$).

Transition		Temperature (log K)							
i	j	7.30	7.70	7.85	8.00	8.30	8.70	8.85	9.00
115	121	4.881−03	3.549−03	3.049−03	2.652−03	2.410−03	1.710−03	1.665−03	1.708−03
115	122	8.681−03	5.659−03	4.684−03	3.863−03	2.789−03	1.639−03	1.474−03	1.419−03
115	123	1.605−02	1.174−02	1.027−02	9.033−03	7.483−03	5.838−03	5.635−03	5.626−03
115	124	5.048−04	2.990−04	2.385−04	1.861−04	9.746−05	3.551−05	2.294−05	1.489−05
115	125	4.066−02	3.519−02	3.219−02	2.971−02	2.846−02	2.447−02	2.410−02	2.436−02
116	117	1.254−02	9.049−03	7.954−03	6.994−03	5.392−03	4.337−03	4.138−03	4.050−03
116	118	3.068−03	2.061−03	1.759−03	1.496−03	1.057−03	7.533−04	6.983−04	6.707−04
116	119	1.850−02	1.529−02	1.433−02	1.353−02	1.249−02	1.175−02	1.184−02	1.213−02
116	120	7.942−04	6.946−04	6.513−04	6.187−04	6.238−04	5.598−04	5.668−04	5.863−04
116	121	1.307−02	1.183−02	1.142−02	1.113−02	1.115−02	1.091−02	1.115−02	1.155−02
116	122	7.290−03	5.938−03	5.571−03	5.271−03	4.820−03	4.631−03	4.681−03	4.802−03
116	123	8.480−03	6.885−03	6.422−03	6.051−03	5.605−03	5.274−03	5.332−03	5.482−03
116	124	9.635−03	8.011−03	7.114−03	6.343−03	5.682−03	4.478−03	4.242−03	4.154−03
116	125	1.265−03	9.110−04	7.901−04	6.914−04	5.926−04	4.483−04	4.362−04	4.424−04
117	118	1.403−02	1.213−02	1.154−02	1.107−02	1.064−02	1.023−02	1.038−02	1.069−02
117	119	2.666−02	2.151−02	1.989−02	1.850−02	1.651−02	1.508−02	1.503−02	1.525−02
117	120	6.292−03	6.999−03	7.227−03	7.473−03	8.140−03	8.968−03	9.412−03	9.956−03
117	121	1.782−02	1.646−02	1.598−02	1.565−02	1.586−02	1.561−02	1.597−02	1.656−02
117	122	4.340−03	2.690−03	2.213−03	1.810−03	1.173−03	7.091−04	6.366−04	6.089−04
117	123	9.677−03	6.800−03	5.972−03	5.291−03	4.340−03	3.598−03	3.557−03	3.624−03
117	124	1.584−02	1.342−02	1.213−02	1.104−02	1.036−02	8.605−03	8.380−03	8.406−03
117	125	3.337−03	2.661−03	2.329−03	2.041−03	1.735−03	1.313−03	1.219−03	1.173−03
118	119	2.878−03	1.968−03	1.658−03	1.405−03	1.155−03	7.636−04	7.254−04	7.311−04
118	120	1.232−03	1.350−03	1.379−03	1.412−03	1.531−03	1.645−03	1.718−03	1.811−03
118	121	1.119−03	6.709−04	5.386−04	4.235−04	2.263−04	8.859−05	5.979−05	4.079−05
118	122	2.383−02	2.184−02	2.113−02	2.064−02	2.085−02	2.045−02	2.090−02	2.166−02
118	123	8.176−03	7.156−03	6.778−03	6.495−03	6.424−03	6.083−03	6.181−03	6.389−03
118	124	2.369−03	1.988−03	1.758−03	1.553−03	1.339−03	1.028−03	9.469−04	9.002−04
118	125	2.823−03	2.379−03	2.123−03	1.903−03	1.721−03	1.376−03	1.309−03	1.285−03
119	120	4.638−04	4.252−04	4.046−04	3.899−04	4.044−04	3.702−04	3.764−04	3.903−04
119	121	3.202−03	2.212−03	1.869−03	1.591−03	1.331−03	8.904−04	8.495−04	8.588−04
119	122	1.073−02	8.419−03	7.403−03	6.588−03	6.200−03	4.728−03	4.613−03	4.692−03
119	123	2.794−02	2.422−02	2.290−02	2.190−02	2.162−02	2.029−02	2.062−02	2.133−02
119	124	3.006−02	2.597−02	2.381−02	2.205−02	2.121−02	1.838−02	1.818−02	1.844−02
119	125	3.636−03	3.179−03	3.000−03	2.861−03	2.810−03	2.621−03	2.652−03	2.732−03
120	121	3.215−02	3.698−02	3.840−02	3.983−02	4.344−02	4.756−02	4.971−02	5.233−02
120	122	2.060−02	2.326−02	2.406−02	2.490−02	2.716−02	2.975−02	3.115−02	3.287−02
120	123	4.810−03	5.071−03	5.118−03	5.193−03	5.590−03	5.873−03	6.113−03	6.430−03
120	124	2.879−01	3.288−01	3.435−01	3.591−01	3.962−01	4.480−01	4.733−01	5.035−01
120	125	2.180+00	2.518+00	2.642+00	2.770+00	3.066+00	3.487+00	3.688+00	3.927+00
121	122	2.492−03	1.672−03	1.431−03	1.223−03	8.713−04	6.368−04	5.965−04	5.783−04
121	123	1.317−02	1.143−02	1.085−02	1.041−02	1.012−02	9.668−03	9.822−03	1.013−02
121	124	9.157−03	8.262−03	7.843−03	7.521−03	7.498−03	7.061−03	7.142−03	7.352−03
121	125	6.939−03	6.181−03	5.807−03	5.509−03	5.404−03	4.986−03	5.006−03	5.124−03
122	123	2.059−02	1.836−02	1.762−02	1.703−02	1.653−02	1.604−02	1.627−02	1.673−02
122	124	3.751−03	3.202−03	2.990−03	2.825−03	2.753−03	2.527−03	2.552−03	2.630−03
122	125	1.445−02	1.210−02	1.087−02	9.851−03	9.228−03	7.550−03	7.343−03	7.371−03
123	124	5.702−03	4.672−03	4.214−03	3.843−03	3.641−03	3.025−03	2.986−03	3.039−03
123	125	2.283−02	1.945−02	1.782−02	1.650−02	1.587−02	1.378−02	1.367−02	1.392−02
124	125	5.084−02	4.156−02	3.843−02	3.601−02	3.445−02	3.122−02	3.156−02	3.260−02