

Predicted XUV Line Intensities  
CHIANTI database - Version 6.0

Calculated with Constant pressure=  $1.00e+16$  ( $\text{cm}^{-3}$  K)  
1.3 to 49.9 Å

Number of lines: 1996

Minimum intensity = 1060.00

Units are:  $\text{erg cm}^{-2} \text{sr}^{-1} \text{s}^{-1}$

Lines marked with a \* do not have correspondent observed energy levels  
and have approximate wavelengths.

Calculated: Fri Sep 4 11:33:57 2009

Ionization Fractions file: chianti.ioneq

ionization equilibrium: CHIANTI

produced as part of the CHIANTI atomic data base collaboration

K.P. Dere (GMU) Wed Dec 10 09:16:04 2008

Elemental Abundance file: sun\_photospheric\_grevesse07.abund

abundance: Grevesse N., Asplund, M. & Sauval A.J., 2007, Space Science  
Reviews, 130, 105

comment: These are the latest set of "standard abundances" produced by  
Grevesse  
and colleagues.

produced as part of the Arcetri/Cambridge/NRL 'CHIANTI' atomic data base  
collaboration

Peter Young - 19-Dec-2008

Minimum abundance =  $3.98107e-08$

Differential Emission Measure file: flare\_ext.dem

filename: flare.dem

dem: Dere, K.P., Cook, J.W., 1979, ApJ, 229, 772

comment: composite of August 9 1553 and 1554 UT data of an M2 X-ray class  
flare

comment: modifies at high temperature (7.3 to 8.0) by G.Del Zanna to  
calculate

the emissivities of the hottest ions.

produced as part of the Arcetri/Cambridge/NRL 'CHIANTI' atomic data base  
collaboration

K.P.Dere and G. Del Zanna - Aug 2002

Table 1: *Line List*

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Ni XXVII	1.2825	$1s^2\ ^1S_0 - 1s\ 4p\ ^1P_1$	8.0	1.84e+03
Ni XXVII	1.3501	$1s^2\ ^1S_0 - 1s\ 3p\ ^1P_1$	7.9	5.72e+03
Fe XXVI	1.3917	$1s\ ^2S_{1/2} - 5p\ ^2P_{3/2}$	8.0	3.86e+03
Fe XXVI	1.3919	$1s\ ^2S_{1/2} - 5p\ ^2P_{1/2}$	8.0	1.81e+03
Fe XXVI	1.4249	$1s\ ^2S_{1/2} - 4p\ ^2P_{3/2}$	8.0	8.67e+03
Fe XXVI	1.4253	$1s\ ^2S_{1/2} - 4p\ ^2P_{1/2}$	8.0	4.18e+03
Fe XXV	1.4608	$1s^2\ ^1S_0 - 1s\ 5p\ ^1P_1$	7.8	1.75e+04
Fe XXV	1.4612	$1s^2\ ^1S_0 - 1s\ 5p\ ^3P_1$	7.8	2.16e+03
Fe XXIV d	1.4801	$1s^2\ 2s\ ^2S_{1/2} - 1s\ 2s\ (^1S)\ 5p\ ^2P_{1/2}$	7.6	1.16e+03
Fe XXIV d	1.4834	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2p\ (^3P)\ 5p\ ^2D_{5/2}$	7.6	4.16e+03
Fe XXV	1.4946	$1s^2\ ^1S_0 - 1s\ 4p\ ^1P_1$	7.8	3.85e+04
Fe XXV	1.4953	$1s^2\ ^1S_0 - 1s\ 4p\ ^3P_1$	7.8	4.86e+03
Fe XXVI	1.5024	$1s\ ^2S_{1/2} - 3p\ ^2P_{3/2}$	8.0	2.62e+04
Fe XXVI	1.5035	$1s\ ^2S_{1/2} - 3p\ ^2P_{1/2}$	8.0	1.29e+04
Fe XXIV d	1.5128	$1s^2\ 2s\ ^2S_{1/2} - 1s\ 2s\ (^3S)\ 4p\ ^2P_{3/2}$	7.6	1.23e+03
Fe XXIV d	1.5155	$1s^2\ 2p\ ^2P_{1/2} - 1s\ 2p\ (^3P)\ 4p\ ^2D_{3/2}$	7.6	1.91e+03
Fe XXIV d	1.5160	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2p\ (^3P)\ 4p\ ^2D_{5/2}$	7.6	8.42e+03
Fe XXIV d	1.5164	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2p\ (^3P)\ 4p\ ^2P_{3/2}$	7.6	1.25e+03
Fe XXIV d	1.5168	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2p\ (^3P)\ 4p\ ^4P_{5/2}$	7.6	1.42e+03
Ni XXVIII	1.5303	$1s\ ^2S_{1/2} - 2p\ ^2P_{3/2}$	8.0	6.05e+03
Ni XXVIII	1.5358	$1s\ ^2S_{1/2} - 2p\ ^2P_{1/2}$	8.0	3.03e+03
Fe XXV	1.5732	$1s^2\ ^1S_0 - 1s\ 3p\ ^1P_1$	7.8	1.18e+05
Fe XXV	1.5750	$1s^2\ ^1S_0 - 1s\ 3p\ ^3P_1$	7.8	1.69e+04
Fe XXIV d	1.5835	$1s^2\ 2s\ ^2S_{1/2} - 1s\ 2s\ (^1S)\ 3p\ ^2P_{3/2}$	7.6	1.91e+03
Ni XXVII	1.5885	$1s^2\ ^1S_0 - 1s\ 2p\ ^1P_1$	7.9	3.93e+04
Fe XXIV d	1.5889	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2p\ (^1P)\ 3p\ ^2D_{5/2}$	7.6	1.57e+03
Fe XXIV d	1.5895	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2p\ (^1P)\ 3p\ ^2D_{3/2}$	7.6	1.21e+03
Ni XXVI d	1.5910	$1s^2\ 3p\ ^2P_{3/2} - 1s\ 2p\ (^1P)\ 3p\ ^2D_{5/2}$	7.7	1.09e+03
Fe XXIV d	1.5911	$1s^2\ 2p\ ^2P_{1/2} - 1s\ 2p\ (^3P)\ 3p\ ^2D_{3/2}$	7.6	2.61e+03
Fe XXIV d	1.5913	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2p\ (^3P)\ 3p\ ^2D_{5/2}$	7.6	1.99e+04
Ni XXVII	1.5923	$1s^2\ ^1S_0 - 1s\ 2p\ ^3P_2$	7.8	5.87e+03
Fe XXIV d	1.5929	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2p\ (^3P)\ 3p\ ^4S_{3/2}$	7.6	1.57e+03
Fe XXIV d	1.5932	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2p\ (^3P)\ 3p\ ^4P_{5/2}$	7.6	3.66e+03
Fe XXIV d	1.5937	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2p\ (^3P)\ 3p\ ^4P_{3/2}$	7.6	1.10e+03
Ni XXVI d	1.5938	$1s^2\ 2s\ ^2S_{1/2} - 1s\ 2s\ (^1P)\ 2p\ ^2P_{1/2}$	7.6	1.16e+03
Fe XXIV d	1.5958	$1s^2\ 2p\ ^2P_{1/2} - 1s\ 2s\ (^3S)\ 3d\ ^2D_{3/2}$	7.6	1.42e+03
Ni XXVII	1.5966	$1s^2\ ^1S_0 - 1s\ 2p\ ^3P_1$	7.8	7.96e+03
Ni XXVI	1.5970	$1s^2\ 2s\ ^2S_{1/2} - 1s\ 2s\ (^3P)\ 2p\ ^2P_{3/2}$	7.7	4.37e+03
Ni XXVI d	1.5978	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2p^2\ ^2P_{3/2}$	7.6	1.55e+03
Ni XXVI d	1.5983	$1s^2\ 2p\ ^2P_{1/2} - 1s\ 2p^2\ ^2D_{3/2}$	7.6	3.38e+03
Ni XXVI	1.5996	$1s^2\ 2s\ ^2S_{1/2} - 1s\ 2s\ (^3P)\ 2p\ ^2P_{1/2}$	7.7	1.15e+03
Fe XXIV d	1.5996	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2s\ (^3S)\ 3d\ ^2D_{5/2}$	7.6	1.46e+03
Ni XXVI d	1.6009	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2p^2\ ^2D_{5/2}$	7.6	5.12e+03
Ni XXVII	1.6036	$1s^2\ ^1S_0 - 1s\ 2s\ ^3S_1$	7.8	7.80e+03
Ni XXVI d	1.6068	$1s^2\ 2p\ ^2P_{3/2} - 1s\ 2p^2\ ^4P_{5/2}$	7.6	1.29e+03
Fe XXV d	1.7772	$1s\ 3d\ ^1D_2 - 2p\ 3d\ ^1F_3$	7.9	1.09e+03
Fe XXVI	1.7780	$1s\ ^2S_{1/2} - 2p\ ^2P_{3/2}$	8.0	1.62e+05
Fe XXV d	1.7782	$1s\ 3p\ ^3P_2 - 2p\ 3p\ ^1D_2$	7.9	1.47e+03
Fe XXV d	1.7788	$1s\ 4p\ ^1P_1 - 2p\ 4p\ ^1D_2$	7.9	1.32e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXV d	1.7795	1s 3p $^1P_1$ - 2p 3p $^1D_2$	7.9	4.10e+03
Fe XXV d	1.7795	1s 3s $^1S_0$ - 2p 3s $^1P_1$	7.9	2.13e+03
Fe XXVI	1.7833	1s $^2S_{1/2}$ - 2s $^2S_{1/2}$	8.0	5.92e+03
Fe XXVI	1.7834	1s $^2S_{1/2}$ - 2p $^2P_{1/2}$	8.0	8.24e+04
Fe XXV d	1.7872	1s 2s $^1S_0$ - 2s 2p $^1P_1$	7.9	6.19e+03
Fe XXV d	1.7873	1s 2p $^3P_2$ - 2p 2p $^1D_2$	7.9	3.92e+03
Fe XXV d	1.7881	1s 2s $^3S_1$ - 2s 2p $^3P_2$	7.9	1.20e+03
Fe XXV d	1.7888	1s 2p $^3P_1$ - 2p 2p $^3P_2$	7.9	2.87e+03
Fe XXV d	1.7920	1s 2p $^1P_1$ - 2p 2p $^1D_2$	7.9	1.21e+04
Fe XXV d	1.7926	1s 2p $^3P_2$ - 2p 2p $^3P_2$	7.9	4.62e+03
Fe XXV d	1.7973	1s 2p $^1P_1$ - 2p 2p $^3P_2$	7.9	1.64e+03
Fe XXV	1.8504	1s $^2$ $^1S_0$ - 1s 2p $^1P_1$	7.8	7.74e+05
Fe XXIV d	1.8506	1s $^2$ 6d $^2D_{5/2}$ - 1s 2p ( $^1P$ ) 6d $^2F_{7/2}$	7.6	1.83e+03
Fe XXIV d	1.8507	1s $^2$ 3d $^2D_{3/2}$ - 1s 2p ( $^1P$ ) 3d $^2F_{5/2}$	7.6	5.94e+03
Fe XXIV d	1.8507	1s $^2$ 6p $^2P_{3/2}$ - 1s 2p ( $^1P$ ) 6p $^2D_{5/2}$	7.6	1.42e+03
Fe XXIV d	1.8507	1s $^2$ 3p $^2P_{3/2}$ - 1s 2p ( $^1P$ ) 3p $^2S_{1/2}$	7.6	3.77e+03
Fe XXIV d	1.8508	1s $^2$ 6p $^2P_{1/2}$ - 1s 2p ( $^1P$ ) 6p $^2D_{3/2}$	7.6	1.66e+03
Fe XXIV d	1.8510	1s $^2$ 5d $^2D_{3/2}$ - 1s 2p ( $^1P$ ) 5d $^2F_{5/2}$	7.6	1.44e+03
Fe XXIV d	1.8510	1s $^2$ 5d $^2D_{5/2}$ - 1s 2p ( $^1P$ ) 5d $^2D_{5/2}$	7.6	1.12e+03
Fe XXIV d	1.8510	1s $^2$ 4d $^2D_{5/2}$ - 1s 2p ( $^1P$ ) 4d $^2F_{5/2}$	7.6	2.68e+03
Fe XXIV d	1.8510	1s $^2$ 4p $^2P_{3/2}$ - 1s 2p ( $^1P$ ) 4p $^2S_{1/2}$	7.6	1.29e+03
Fe XXIV d	1.8511	1s $^2$ 5d $^2D_{5/2}$ - 1s 2p ( $^1P$ ) 5d $^2F_{7/2}$	7.6	3.32e+03
Fe XXIV d	1.8511	1s $^2$ 4d $^2D_{3/2}$ - 1s 2p ( $^1P$ ) 4d $^2D_{5/2}$	7.6	2.03e+03
Fe XXIV d	1.8511	1s $^2$ 3d $^2D_{5/2}$ - 1s 2p ( $^1P$ ) 3d $^2F_{5/2}$	7.6	5.50e+03
Fe XXIV d	1.8513	1s $^2$ 5p $^2P_{1/2}$ - 1s 2p ( $^1P$ ) 5p $^2D_{3/2}$	7.6	2.98e+03
Fe XXIV d	1.8513	1s $^2$ 4d $^2D_{5/2}$ - 1s 2p ( $^1P$ ) 4d $^2F_{7/2}$	7.6	7.15e+03
Fe XXIV d	1.8514	1s $^2$ 4p $^2P_{1/2}$ - 1s 2p ( $^1P$ ) 4p $^2D_{3/2}$	7.6	6.15e+03
Fe XXIV d	1.8514	1s $^2$ 4p $^2P_{3/2}$ - 1s 2p ( $^1P$ ) 4p $^2P_{3/2}$	7.6	2.01e+03
Fe XXIV d	1.8515	1s $^2$ 5p $^2P_{3/2}$ - 1s 2p ( $^1P$ ) 5p $^2D_{5/2}$	7.6	2.60e+03
Fe XXIV d	1.8516	1s $^2$ 4p $^2P_{3/2}$ - 1s 2p ( $^1P$ ) 4p $^2D_{5/2}$	7.6	5.55e+03
Fe XXIV d	1.8518	1s $^2$ 3d $^2D_{3/2}$ - 1s 2p ( $^1P$ ) 3d $^2D_{5/2}$	7.6	1.25e+03
Fe XXIV d	1.8519	1s $^2$ 3d $^2D_{5/2}$ - 1s 2p ( $^1P$ ) 3d $^2F_{7/2}$	7.6	1.76e+04
Fe XXIV d	1.8522	1s $^2$ 3d $^2D_{5/2}$ - 1s 2p ( $^1P$ ) 3d $^2D_{5/2}$	7.6	1.50e+03
Fe XXIV d	1.8523	1s $^2$ 3s $^2S_{1/2}$ - 1s 2p ( $^1P$ ) 3s $^2P_{1/2}$	7.6	3.82e+03
Fe XXIV d	1.8525	1s $^2$ 3p $^2P_{3/2}$ - 1s 2p ( $^1P$ ) 3p $^2P_{3/2}$	7.6	8.31e+03
Fe XXIV d	1.8527	1s $^2$ 3p $^2P_{1/2}$ - 1s 2p ( $^1P$ ) 3p $^2D_{3/2}$	7.6	1.86e+04
Fe XXIV d	1.8534	1s $^2$ 3p $^2P_{3/2}$ - 1s 2p ( $^1P$ ) 3p $^2D_{5/2}$	7.6	2.34e+04
Fe XXV	1.8554	1s $^2$ $^1S_0$ - 1s 2p $^3P_2$	7.7	1.14e+05
Fe XXIV d	1.8563	1s $^2$ 2s $^2S_{1/2}$ - 1s 2s 2p ( $^1P$ ) $^2P_{3/2}$	7.5	2.95e+03
Fe XXIV d	1.8567	1s $^2$ 3p $^2P_{3/2}$ - 1s 2p ( $^3P$ ) 3p $^2D_{5/2}$	7.6	2.88e+03
Fe XXIV d	1.8569	1s $^2$ 2p $^2P_{3/2}$ - 1s 2p $^2$ ( $^1S$ ) $^2S_{1/2}$	7.5	8.96e+03
Fe XXIV	1.8570	1s $^2$ 2s $^2S_{1/2}$ - 1s 2s 2p ( $^1P$ ) $^2P_{1/2}$	7.6	1.22e+04
Fe XXIV d	1.8570	1s $^2$ 2s $^2S_{1/2}$ - 1s 2s 2p ( $^1P$ ) $^2P_{1/2}$	7.5	1.82e+04
Fe XXIV d	1.8588	1s $^2$ 3s $^2S_{1/2}$ - 1s 2p ( $^3P$ ) 3s $^2P_{1/2}$	7.6	6.80e+03
Fe XXIV d	1.8594	1s $^2$ 4s $^2S_{1/2}$ - 1s 2s ( $^1S$ ) 4p $^2P_{1/2}$	7.6	1.79e+03
Fe XXV	1.8595	1s $^2$ $^1S_0$ - 1s 2p $^3P_1$	7.8	1.40e+05
Fe XXIV d	1.8602	1s $^2$ 4p $^2P_{3/2}$ - 1s 2p ( $^3P$ ) 4p $^2D_{3/2}$	7.6	1.75e+03
Fe XXIV d	1.8603	1s $^2$ 5p $^2P_{3/2}$ - 1s 2p ( $^3P$ ) 5p $^2D_{3/2}$	7.6	1.26e+03
Fe XXIV d	1.8604	1s $^2$ 4d $^2D_{5/2}$ - 1s 2p ( $^3P$ ) 4d $^4F_{7/2}$	7.6	1.21e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXIV d	1.8607	$1s^2 5p \ ^2P_{3/2} - 1s 2p \ (^3P) 5p \ ^4D_{5/2}$	7.6	1.62e+03
Fe XXIV d	1.8609	$1s^2 4p \ ^2P_{3/2} - 1s 2p \ (^3P) 4p \ ^4D_{5/2}$	7.6	2.59e+03
Fe XXIV	1.8611	$1s^2 2s \ ^2S_{1/2} - 1s 2s 2p \ (^3P) \ ^2P_{3/2}$	7.6	6.83e+04
Fe XXIV d	1.8618	$1s^2 3d \ ^2D_{5/2} - 1s 2p \ (^3P) 3d \ ^4F_{7/2}$	7.6	1.50e+03
Fe XXIV d	1.8619	$1s^2 4d \ ^2D_{5/2} - 1s 2s \ (^1S) 4p \ ^2P_{3/2}$	7.6	1.50e+03
Fe XXIV d	1.8622	$1s^2 2p \ ^2P_{3/2} - 1s 2p^2 \ (^3P) \ ^2P_{3/2}$	7.5	2.20e+04
Fe XXIV d	1.8632	$1s^2 3p \ ^2P_{3/2} - 1s 2p \ (^3P) 3p \ ^4D_{5/2}$	7.6	2.84e+03
Fe XXIV d	1.8633	$1s^2 2p \ ^2P_{1/2} - 1s 2p^2 \ (^1D) \ ^2D_{3/2}$	7.5	5.96e+04
Fe XXIV d	1.8635	$1s^2 2s \ ^2S_{1/2} - 1s 2s 2p \ (^3P) \ ^2P_{1/2}$	7.5	1.37e+04
Fe XXIV	1.8635	$1s^2 2s \ ^2S_{1/2} - 1s 2s 2p \ (^3P) \ ^2P_{1/2}$	7.6	1.96e+04
Fe XXIV d	1.8660	$1s^2 2p \ ^2P_{3/2} - 1s 2p^2 \ (^1D) \ ^2D_{5/2}$	7.5	8.86e+04
Fe XXIV d	1.8674	$1s^2 3p \ ^2P_{1/2} - 1s 2s \ (^1S) 3s \ ^2S_{1/2}$	7.6	1.49e+03
Fe XXIV d	1.8678	$1s^2 2p \ ^2P_{3/2} - 1s 2p^2 \ (^1D) \ ^2D_{3/2}$	7.5	6.90e+03
Fe XXV	1.8682	$1s^2 \ ^1S_0 - 1s 2s \ ^3S_1$	7.7	1.51e+05
Fe XXIII d	1.8683	$2s 2p \ ^3P_2 - 1s 2s 2p^2 \ (^2D) \ ^1D_2$	7.3	2.07e+03
Fe XXIV d	1.8687	$1s^2 3p \ ^2P_{3/2} - 1s 2s \ (^1S) 3s \ ^2S_{1/2}$	7.6	2.07e+03
Fe XXIII	1.8703	$2s^2 \ ^1S_0 - 1s 2s 2p \ ^1P_1$	7.3	1.39e+04
Fe XXIV	1.8705	$1s^2 2s \ ^2S_{1/2} - 1s 2s 2p \ (^3P) \ ^4P_{5/2}$	7.5	8.29e+03
Fe XXIII d	1.8719	$2s 2p \ ^3P_1 - 1s 2s 2p^2 \ (^2D) \ ^3D_1$	7.3	3.81e+03
Fe XXIV d	1.8728	$1s^2 2p \ ^2P_{3/2} - 1s 2p^2 \ (^3P) \ ^4P_{5/2}$	7.5	1.64e+04
Fe XXIII d	1.8730	$2s 2p \ ^3P_0 - 1s 2s 2p^2 \ (^4P) \ ^3P_1$	7.3	1.81e+03
Fe XXIII d	1.8735	$2s 2p \ ^3P_2 - 1s 2s 2p^2 \ (^4P) \ ^3P_2$	7.3	3.35e+03
Fe XXIII d	1.8736	$2s 2p \ ^3P_1 - 1s 2s 2p^2 \ (^2D) \ ^3D_2$	7.3	8.83e+03
Fe XXIV	1.8738	$1s^2 2s \ ^2S_{1/2} - 1s 2s 2p \ (^3P) \ ^4P_{3/2}$	7.5	9.01e+03
Fe XXIV	1.8747	$1s^2 2s \ ^2S_{1/2} - 1s 2s 2p \ (^3P) \ ^4P_{1/2}$	7.5	4.15e+03
Fe XXIII d	1.8752	$2s 2p \ ^3P_2 - 1s 2s 2p^2 \ (^2D) \ ^3D_1$	7.3	1.06e+03
Fe XXIII d	1.8757	$2s 2p \ ^3P_2 - 1s 2s 2p^2 \ (^2D) \ ^3D_3$	7.3	1.31e+04
Fe XXIII d	1.8781	$2s 2p \ ^1P_1 - 1s 2s 2p^2 \ (^2D) \ ^1D_2$	7.3	3.51e+03
Fe XXII d	1.8794	$2s^2 2p \ ^2P_{3/2} - 1s 2s 2p^2 \ ^2S_{1/2}$	7.2	1.41e+03
Fe XXII	1.8823	$2s^2 2p \ ^2P_{1/2} - 1s 2s 2p^2 \ ^2D_{3/2}$	7.2	1.09e+03
Fe XXII	1.8824	$2s^2 2p \ ^2P_{1/2} - 1s 2s 2p^2 \ ^2P_{1/2}$	7.2	1.25e+03
Fe XXII d	1.8824	$2s^2 2p \ ^2P_{1/2} - 1s 2s 2p^2 \ ^2D_{3/2}$	7.2	3.39e+03
Fe XXII d	1.8824	$2s^2 2p \ ^2P_{3/2} - 1s 2s 2p^2 \ ^2P_{3/2}$	7.2	1.88e+03
Fe XXII d	1.8851	$2s^2 2p \ ^2P_{3/2} - 1s 2s 2p^2 \ ^2D_{5/2}$	7.2	5.00e+03
Fe XXIV d	1.8924	$1s^2 2p \ ^2P_{1/2} - 1s 2s 2p^2 \ ^2S_{1/2}$	7.5	3.02e+03
Fe XXIV d	1.8970	$1s^2 2p \ ^2P_{3/2} - 1s 2s 2p^2 \ ^2S_{1/2}$	7.5	3.10e+03
Ca XX	2.4172	$1s \ ^2S_{1/2} - 4p \ ^2P_{3/2}$	7.7	1.67e+03
Ca XIX	2.5138	$1s^2 \ ^1S_0 - 1s 5p \ ^1P_1$	7.4	1.39e+03
Ca XX	2.5490	$1s \ ^2S_{1/2} - 3p \ ^2P_{3/2}$	7.7	5.07e+03
Ca XX	2.5501	$1s \ ^2S_{1/2} - 3p \ ^2P_{1/2}$	7.7	2.53e+03
Ca XIX	2.5714	$1s^2 \ ^1S_0 - 1s 4p \ ^1P_1$	7.4	3.15e+03
Ca XIX	2.7054	$1s^2 \ ^1S_0 - 1s 3p \ ^1P_1$	7.4	1.06e+04
Ca XVIII d	2.7485	$1s^2 2p \ ^2P_{3/2} - 1s 2p \ (^3P) 3p \ ^2D_{5/2}$	7.2	1.52e+03
Ar XVIII	2.9873	$1s \ ^2S_{1/2} - 4p \ ^2P_{3/2}$	7.6	1.40e+03
Ca XX	3.0185	$1s \ ^2S_{1/2} - 2p \ ^2P_{3/2}$	7.7	3.43e+04
Ca XX	3.0239	$1s \ ^2S_{1/2} - 2p \ ^2P_{1/2}$	7.7	1.71e+04
Ca XIX d	3.0497	$1s 2p \ ^1P_1 - 2p 2p \ ^1D_2$	7.6	1.86e+03
Ar XVIII	3.1502	$1s \ ^2S_{1/2} - 3p \ ^2P_{3/2}$	7.6	4.30e+03
Ar XVIII	3.1514	$1s \ ^2S_{1/2} - 3p \ ^2P_{1/2}$	7.6	2.15e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Ca XIX	3.1773	$1s^2 1S_0 - 1s 2p 1P_1$	7.4	7.06e+04
Ca XVIII d	3.1798	$1s^2 3d 2D_{5/2} - 1s 2p (1P) 3d 2F_{7/2}$	7.2	1.89e+03
Ca XVIII d	3.1820	$1s^2 3p 2P_{1/2} - 1s 2p (1P) 3p 2D_{3/2}$	7.2	1.61e+03
Ca XVIII d	3.1829	$1s^2 3p 2P_{3/2} - 1s 2p (1P) 3p 2D_{5/2}$	7.2	2.69e+03
Ca XIX	3.1891	$1s^2 1S_0 - 1s 2p 3P_2$	7.3	8.57e+03
Ca XVIII d	3.1905	$1s^2 2s 2S_{1/2} - 1s 2s (1P) 2p 2P_{1/2}$	7.2	1.11e+03
Ca XIX	3.1928	$1s^2 1S_0 - 1s 2p 3P_1$	7.4	9.65e+03
Ca XVIII *	3.1961	$1s^2 2s 2S_{1/2} - 1s 2s (3P) 2p 2P_{3/2}$	7.3	2.78e+03
Ar XVII	3.1996	$1s^2 1S_0 - 1s 4p 1P_1$	7.3	2.49e+03
Ca XVIII d	3.2033	$1s^2 2p 2P_{3/2} - 1s 2p (3P) 2p 2P_{3/2}$	7.2	1.47e+03
Ca XVIII d	3.2066	$1s^2 2p 2P_{1/2} - 1s 2p (1P) 2p 2D_{3/2}$	7.2	5.09e+03
Ca XVIII d	3.2100	$1s^2 2p 2P_{3/2} - 1s 2p (1P) 2p 2D_{5/2}$	7.2	6.85e+03
Ca XIX	3.2111	$1s^2 1S_0 - 1s 2s 3S_1$	7.3	1.89e+04
K XIX	3.3467	$1s 2S_{1/2} - 2p 2P_{3/2}$	7.6	2.22e+03
K XIX	3.3521	$1s 2S_{1/2} - 2p 2P_{1/2}$	7.6	1.11e+03
Ar XVII	3.3655	$1s^2 1S_0 - 1s 3p 1P_1$	7.3	7.58e+03
K XVIII	3.5320	$1s^2 1S_0 - 1s 2p 1P_1$	7.3	4.12e+03
K XVIII	3.5708	$1s^2 1S_0 - 1s 2s 3S_1$	7.3	1.12e+03
S XVI	3.6958	$1s 2S_{1/2} - 5p 2P_{3/2}$	7.4	6.02e+03
S XVI	3.6960	$1s 2S_{1/2} - 5p 2P_{1/2}$	7.4	3.00e+03
Ar XVIII	3.7311	$1s 2S_{1/2} - 2p 2P_{3/2}$	7.5	3.03e+04
Ar XVIII	3.7365	$1s 2S_{1/2} - 2p 2P_{1/2}$	7.5	1.51e+04
Ar XVII d	3.7739	$1s 2p 1P_1 - 2p 2p 1D_2$	7.4	1.39e+03
S XVI	3.7843	$1s 2S_{1/2} - 4p 2P_{3/2}$	7.4	1.37e+04
S XVI	3.7848	$1s 2S_{1/2} - 4p 2P_{1/2}$	7.4	6.85e+03
Cl XVI	3.7897	$1s^2 1S_0 - 1s 3p 1P_1$	7.2	1.42e+03
Ar XVII	3.9488	$1s^2 1S_0 - 1s 2p 1P_1$	7.3	5.01e+04
Ar XVI d	3.9529	$1s^2 3d 2D_{5/2} - 1s 2p (1P) 3d 2F_{7/2}$	7.2	1.35e+03
Ar XVI d	3.9567	$1s^2 3p 2P_{1/2} - 1s 2p (1P) 3p 2D_{3/2}$	7.2	1.21e+03
Ar XVI d	3.9577	$1s^2 3p 2P_{3/2} - 1s 2p (1P) 3p 2D_{5/2}$	7.2	1.87e+03
Ar XVII	3.9656	$1s^2 1S_0 - 1s 2p 3P_2$	7.2	4.81e+03
Ar XVII	3.9691	$1s^2 1S_0 - 1s 2p 3P_1$	7.2	6.43e+03
Ar XVI	3.9811	$1s^2 2s 2S_{1/2} - 1s 2s (3P) 2p 2P_{3/2}$	7.2	1.41e+03
Ar XVI d	3.9900	$1s^2 2p 2P_{1/2} - 1s 2p 2D_{3/2}$	7.1	2.74e+03
S XVI	3.9908	$1s 2S_{1/2} - 3p 2P_{3/2}$	7.3	4.20e+04
S XVI	3.9920	$1s 2S_{1/2} - 3p 2P_{1/2}$	7.3	2.10e+04
Ar XVII	3.9939	$1s^2 1S_0 - 1s 2s 3S_1$	7.2	1.50e+04
Ar XVI d	3.9941	$1s^2 2p 2P_{3/2} - 1s 2p 2D_{5/2}$	7.1	3.71e+03
S XV	3.9978	$1s^2 1S_0 - 1s 5p 1P_1$	7.2	7.99e+03
S XV	4.0885	$1s^2 1S_0 - 1s 4p 1P_1$	7.2	1.81e+04
S XIV d	4.1061	$1s^2 2p 2P_{3/2} - 1s 2p (3P) 5p 2D_{5/2}$	7.1	1.45e+03
Cl XVII	4.1854	$1s 2S_{1/2} - 2p 2P_{3/2}$	7.4	6.65e+03
Cl XVII	4.1908	$1s 2S_{1/2} - 2p 2P_{1/2}$	7.4	3.32e+03
S XIV d	4.1919	$1s^2 2p 2P_{3/2} - 1s 2p (3P) 4p 2D_{5/2}$	7.1	1.40e+03
S XV	4.2992	$1s^2 1S_0 - 1s 3p 1P_1$	7.2	6.26e+04
S XV	4.3047	$1s^2 1S_0 - 1s 3p 3P_1$	7.2	1.36e+03
S XIV d	4.3874	$1s^2 2p 2P_{1/2} - 1s 2p (3P) 3p 2D_{3/2}$	7.1	2.76e+03
S XIV d	4.3880	$1s^2 2p 2P_{3/2} - 1s 2p (3P) 3p 2D_{5/2}$	7.1	4.12e+03
Cl XVI	4.4443	$1s^2 1S_0 - 1s 2p 1P_1$	7.2	9.79e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Cl XVI	4.4679	$1s^2 1S_0 - 1s 2p 3P_1$	7.2	1.32e+03
Cl XVI	4.4972	$1s^2 1S_0 - 1s 2s 3S_1$	7.2	3.32e+03
S XV d	4.7218	$1s 3d 1D_2 - 2p 3d 1F_3$	7.2	2.24e+03
S XV d	4.7253	$1s 3p 1P_1 - 2s 3d 1D_2$	7.2	2.04e+03
S XV d	4.7273	$1s 3s 1S_0 - 2p 3s 1P_1$	7.2	1.32e+03
S XVI	4.7274	$1s 2S_{1/2} - 2p 2P_{3/2}$	7.3	3.01e+05
S XVI	4.7326	$1s 2S_{1/2} - 2s 2S_{1/2}$	7.3	1.57e+03
S XVI	4.7328	$1s 2S_{1/2} - 2p 2P_{1/2}$	7.3	1.50e+05
S XV d	4.7401	$1s 3d 3D_3 - 2p 3d 3F_4$	7.2	1.15e+03
S XV d	4.7624	$1s 2s 1S_0 - 2s 2p 1P_1$	7.2	3.61e+03
S XV d	4.7704	$1s 2s 3S_1 - 2s 2p 3P_2$	7.2	1.84e+03
S XV d	4.7728	$1s 2s 3S_1 - 2s 2p 3P_1$	7.2	1.14e+03
S XV d	4.7759	$1s 2p 3P_2 - 2p 2p 3P_2$	7.2	1.38e+03
S XV d	4.7877	$1s 2p 1P_1 - 2p 2p 1D_2$	7.2	1.13e+04
Si XIV	4.8310	$1s 2S_{1/2} - 5p 2P_{3/2}$	7.2	1.42e+04
Si XIV	4.8312	$1s 2S_{1/2} - 5p 2P_{1/2}$	7.2	7.09e+03
Si XIV	4.9468	$1s 2S_{1/2} - 4p 2P_{3/2}$	7.2	3.21e+04
Si XIV	4.9472	$1s 2S_{1/2} - 4p 2P_{1/2}$	7.2	1.60e+04
S XIV d	5.0377	$1s^2 3p 2P_{3/2} - 1s 2p (1P) 3p 2S_{1/2}$	7.1	1.38e+03
S XV	5.0387	$1s^2 1S_0 - 1s 2p 1P_1$	7.2	4.10e+05
S XIV d	5.0399	$1s^2 6d 2D_{5/2} - 1s 2p (1P) 6d 2F_{7/2}$	7.1	1.12e+03
S XIV d	5.0405	$1s^2 6p 2P_{3/2} - 1s 2p (1P) 6p 2D_{5/2}$	7.1	1.24e+03
S XIV d	5.0409	$1s^2 5d 2D_{5/2} - 1s 2p (1P) 5d 2F_{7/2}$	7.1	1.97e+03
S XIV d	5.0415	$1s^2 5p 2P_{1/2} - 1s 2p (1P) 5p 2D_{3/2}$	7.1	1.58e+03
S XIV d	5.0416	$1s^2 5p 2P_{3/2} - 1s 2p (1P) 5p 2D_{5/2}$	7.1	2.16e+03
S XIV d	5.0418	$1s^2 4d 2D_{3/2} - 1s 2p (1P) 4d 2F_{5/2}$	7.1	1.84e+03
S XIV d	5.0427	$1s^2 3d 2D_{3/2} - 1s 2p (1P) 3d 2F_{5/2}$	7.1	5.84e+03
S XIV d	5.0430	$1s^2 3d 2D_{5/2} - 1s 2p (1P) 3d 2F_{5/2}$	7.1	1.23e+03
S XIV d	5.0438	$1s^2 4p 2P_{1/2} - 1s 2p (1P) 4p 2D_{3/2}$	7.1	3.39e+03
S XIV d	5.0440	$1s^2 4p 2P_{3/2} - 1s 2p (1P) 4p 2D_{5/2}$	7.1	4.44e+03
S XIV d	5.0441	$1s^2 3d 2D_{5/2} - 1s 2p (1P) 3d 2F_{7/2}$	7.1	9.67e+03
S XIV d	5.0469	$1s^2 3s 2S_{1/2} - 1s 2p (1P) 3s 2P_{1/2}$	7.1	1.94e+03
S XIV d	5.0485	$1s^2 3p 2P_{3/2} - 1s 2p (1P) 3p 2P_{3/2}$	7.1	2.41e+03
S XIV d	5.0486	$1s^2 3p 2P_{1/2} - 1s 2p (1P) 3p 2D_{3/2}$	7.1	7.98e+03
S XIV d	5.0497	$1s^2 3p 2P_{3/2} - 1s 2p (1P) 3p 2D_{5/2}$	7.1	1.22e+04
S XIV d	5.0618	$1s^2 3s 2S_{1/2} - 1s 2p (3P) 3s 2P_{1/2}$	7.1	1.24e+03
S XIV d	5.0619	$1s^2 2p 2P_{3/2} - 1s 2p (1P) 2p 2S_{1/2}$	7.1	2.55e+03
S XV	5.0631	$1s^2 1S_0 - 1s 2p 3P_2$	7.1	2.70e+04
S XIV d	5.0658	$1s^2 2s 2S_{1/2} - 1s 2s (1P) 2p 2P_{3/2}$	7.1	1.60e+03
S XIV d	5.0662	$1s^2 3p 2P_{3/2} - 1s 2p (3P) 3p 2D_{5/2}$	7.1	1.51e+03
S XV	5.0665	$1s^2 1S_0 - 1s 2p 3P_1$	7.1	5.26e+04
S XIV d	5.0666	$1s^2 2s 2S_{1/2} - 1s 2s (1P) 2p 2P_{1/2}$	7.1	2.10e+03
S XIV	5.0855	$1s^2 2s 2S_{1/2} - 1s 2s (3P) 2p 2P_{3/2}$	7.1	7.28e+03
S XIV d	5.0875	$1s^2 2s 2S_{1/2} - 1s 2s (3P) 2p 2P_{1/2}$	7.1	2.01e+03
S XIV	5.0875	$1s^2 2s 2S_{1/2} - 1s 2s (3P) 2p 2P_{1/2}$	7.1	2.82e+03
S XIV d	5.0918	$1s^2 2p 2P_{3/2} - 1s 2p (3P) 2p 2P_{3/2}$	7.1	3.04e+03
S XIV d	5.0983	$1s^2 2p 2P_{1/2} - 1s 2p (1P) 2p 2D_{3/2}$	7.1	1.35e+04
S XV	5.1015	$1s^2 1S_0 - 1s 2s 3S_1$	7.1	1.44e+05
S XIV d	5.1025	$1s^2 2p 2P_{3/2} - 1s 2p (1P) 2p 2D_{5/2}$	7.1	1.91e+04

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
S XIV	5.1297	$1s^2 2s^2 S_{1/2} - 1s 2s ({}^3P) 2p {}^4P_{5/2}$	7.1	1.34e+03
Si XIV	5.2168	$1s {}^2S_{1/2} - 3p {}^2P_{3/2}$	7.2	9.94e+04
Si XIV	5.2180	$1s {}^2S_{1/2} - 3p {}^2P_{1/2}$	7.2	4.97e+04
Si XIII	5.2856	$1s^2 {}^1S_0 - 1s 5p {}^1P_1$	7.1	1.31e+04
P XV	5.3814	$1s {}^2S_{1/2} - 2p {}^2P_{3/2}$	7.2	5.21e+03
P XV	5.3868	$1s {}^2S_{1/2} - 2p {}^2P_{1/2}$	7.2	2.60e+03
Si XIII	5.4046	$1s^2 {}^1S_0 - 1s 4p {}^1P_1$	7.1	2.97e+04
Si XII d	5.5647	$1s^2 2p {}^2P_{3/2} - 1s 2p 4p {}^2D_{5/2}$	7.1	1.88e+03
Si XIII	5.6807	$1s^2 {}^1S_0 - 1s 3p {}^1P_1$	7.1	9.35e+04
Al XIII	5.7391	$1s {}^2S_{1/2} - 4p {}^2P_{3/2}$	7.1	2.15e+03
Al XIII	5.7396	$1s {}^2S_{1/2} - 4p {}^2P_{1/2}$	7.1	1.07e+03
P XIV	5.7602	$1s^2 {}^1S_0 - 1s 2p {}^1P_1$	7.1	5.85e+03
Si XII d	5.8156	$1s^2 2p {}^2P_{1/2} - 1s 2p ({}^3P) 3p {}^2D_{3/2}$	7.1	2.49e+03
Si XII d	5.8162	$1s^2 2p {}^2P_{3/2} - 1s 2p ({}^3P) 3p {}^2D_{5/2}$	7.1	5.05e+03
P XIV	5.8358	$1s^2 {}^1S_0 - 1s 2s {}^3S_1$	7.1	2.03e+03
Al XIII	6.0525	$1s {}^2S_{1/2} - 3p {}^2P_{3/2}$	7.1	6.52e+03
Al XIII	6.0537	$1s {}^2S_{1/2} - 3p {}^2P_{1/2}$	7.1	3.26e+03
Ni XXVI *	6.1065	$1s^2 2s {}^2S_{1/2} - 1s^2 5p {}^2P_{3/2}$	7.4	1.42e+03
Si XIII d	6.1713	$1s 3d {}^3D_2 - 2p 3d {}^1F_3$	7.1	1.11e+03
Si XIII d	6.1721	$1s 3d {}^1D_2 - 2p 3d {}^1F_3$	7.1	4.96e+03
Si XIII d	6.1756	$1s 3p {}^1P_1 - 2s 3d {}^1D_2$	7.1	3.09e+03
Si XIII d	6.1791	$1s 3s {}^1S_0 - 2p 3s {}^1P_1$	7.1	2.22e+03
Si XIV	6.1804	$1s {}^2S_{1/2} - 2p {}^2P_{3/2}$	7.2	7.30e+05
Si XIV	6.1856	$1s {}^2S_{1/2} - 2s {}^2S_{1/2}$	7.2	2.34e+03
Si XIV	6.1858	$1s {}^2S_{1/2} - 2p {}^2P_{1/2}$	7.2	3.65e+05
Si XIII d	6.1864	$1s 3p {}^3P_1 - 2s 3d {}^3D_2$	7.1	1.67e+03
Si XIII d	6.1870	$1s 3p {}^3P_2 - 2p 3p {}^3P_2$	7.1	2.15e+03
Si XIII d	6.1896	$1s 3p {}^3P_2 - 2p 3p {}^1D_2$	7.1	1.78e+03
Si XIII d	6.1993	$1s 3d {}^3D_3 - 2p 3d {}^3F_4$	7.1	2.73e+03
Si XIII d	6.2003	$1s 3p {}^1P_1 - 2p 3p {}^1D_2$	7.1	1.72e+03
Si XIII d	6.2019	$1s 3d {}^3D_2 - 2p 3d {}^3F_3$	7.1	1.31e+03
Si XIII d	6.2024	$1s 2p {}^1P_1 - 2p 2p {}^1S_0$	7.1	1.14e+03
Si XIII d	6.2317	$1s 2s {}^1S_0 - 2s 2p {}^1P_1$	7.1	5.80e+03
Si XIII d	6.2461	$1s 2s {}^3S_1 - 2s 2p {}^3P_1$	7.1	2.42e+03
Si XIII d	6.2508	$1s 2p {}^3P_2 - 2p 2p {}^3P_2$	7.1	1.67e+03
Si XIII d	6.2700	$1s 2p {}^1P_1 - 2p 2p {}^1D_2$	7.1	1.85e+04
Al XII	6.3139	$1s^2 {}^1S_0 - 1s 4p {}^1P_1$	7.1	1.52e+03
Ni XXV *	6.3452	$2s^2 {}^1S_0 - 2s 5p {}^1P_1$	7.3	1.43e+03
Mg XII	6.5800	$1s {}^2S_{1/2} - 5p {}^2P_{3/2}$	7.1	1.15e+04
Mg XII	6.5802	$1s {}^2S_{1/2} - 5p {}^2P_{1/2}$	7.1	5.76e+03
Al XII	6.6348	$1s^2 {}^1S_0 - 1s 3p {}^1P_1$	7.1	4.78e+03
Si XII d	6.6457	$1s^2 3p {}^2P_{3/2} - 1s 2p ({}^1P) 3p {}^2S_{1/2}$	7.1	1.64e+03
Si XIII	6.6480	$1s^2 {}^1S_0 - 1s 2p {}^1P_1$	7.1	6.48e+05
Si XII d	6.6499	$1s^2 4d {}^2D_{3/2} - 1s 2p 4d {}^2F_{5/2}$	7.1	2.83e+03
Si XII d	6.6505	$1s^2 4d {}^2D_{5/2} - 1s 2p 4d {}^2F_{7/2}$	7.1	4.63e+03
Si XII d	6.6545	$1s^2 3d {}^2D_{3/2} - 1s 2p ({}^1P) 3d {}^2F_{5/2}$	7.1	7.59e+03
Si XII d	6.6545	$1s^2 4p {}^2P_{1/2} - 1s 2p 4p {}^2D_{3/2}$	7.1	3.59e+03
Si XII d	6.6548	$1s^2 3d {}^2D_{5/2} - 1s 2p ({}^1P) 3d {}^2F_{5/2}$	7.1	1.23e+03
Si XII d	6.6550	$1s^2 4p {}^2P_{3/2} - 1s 2p 4p {}^2D_{5/2}$	7.1	5.25e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Si XII d	6.6559	$1s^2 3d^2 D_{5/2} - 1s 2p (^1P) 3d^2 F_{7/2}$	7.1	1.19e+04
Si XII d	6.6605	$1s^2 3s^2 S_{1/2} - 1s 2p (^1P) 3s^2 P_{1/2}$	7.1	2.40e+03
Si XII d	6.6612	$1s^2 3s^2 S_{1/2} - 1s 2p (^1P) 3s^2 P_{3/2}$	7.1	3.98e+03
Si XII d	6.6630	$1s^2 3p^2 P_{3/2} - 1s 2p (^1P) 3p^2 P_{3/2}$	7.1	2.45e+03
Si XII d	6.6632	$1s^2 3p^2 P_{1/2} - 1s 2p (^1P) 3p^2 D_{3/2}$	7.1	8.78e+03
Si XII d	6.6644	$1s^2 3p^2 P_{3/2} - 1s 2p (^1P) 3p^2 D_{5/2}$	7.1	1.35e+04
Si XII d	6.6775	$1s^2 3s^2 S_{1/2} - 1s 2p (^3P) 3s^2 P_{3/2}$	7.1	1.42e+03
Si XII d	6.6809	$1s^2 3s^2 S_{1/2} - 1s 2p (^3P) 3s^2 P_{1/2}$	7.1	1.10e+03
Si XII d	6.6820	$1s^2 2p^2 P_{3/2} - 1s 2p^2 ^2S_{1/2}$	7.0	2.49e+03
Si XIII	6.6851	$1s^2 ^1S_0 - 1s 2p ^3P_2$	7.1	2.12e+04
Si XIII	6.6883	$1s^2 ^1S_0 - 1s 2p ^3P_1$	7.1	7.84e+04
Si XII d	6.6891	$1s^2 2s^2 S_{1/2} - 1s 2s 2p (^1P) ^2P_{3/2}$	7.0	1.60e+03
Si XII d	6.6897	$1s^2 3p^2 P_{3/2} - 1s 2p (^3P) 3p^2 D_{5/2}$	7.1	1.44e+03
Si XII d	6.6898	$1s^2 2s^2 S_{1/2} - 1s 2s 2p (^1P) ^2P_{1/2}$	7.0	1.52e+03
Ni XXV *	6.6956	$2s 2p ^1P_1 - 2s 5d ^1D_2$	7.3	1.35e+03
Si XII	6.7180	$1s^2 2s^2 S_{1/2} - 1s 2s (^3P) 2p ^2P_{3/2}$	7.1	6.64e+03
Si XII d	6.7191	$1s^2 2s^2 S_{1/2} - 1s 2s 2p (^3P) ^2P_{3/2}$	7.0	1.80e+03
Si XII	6.7200	$1s^2 2s^2 S_{1/2} - 1s 2s (^3P) 2p ^2P_{1/2}$	7.1	2.64e+03
Si XII d	6.7210	$1s^2 2s^2 S_{1/2} - 1s 2s 2p (^3P) ^2P_{1/2}$	7.0	2.19e+03
Si XII d	6.7282	$1s^2 2p^2 P_{3/2} - 1s 2p^2 ^2P_{3/2}$	7.0	2.11e+03
Mg XII	6.7378	$1s^2 S_{1/2} - 4p ^2P_{3/2}$	7.1	2.60e+04
Mg XII	6.7382	$1s^2 S_{1/2} - 4p ^2P_{1/2}$	7.1	1.30e+04
Si XII d	6.7388	$1s^2 2p^2 P_{1/2} - 1s 2p^2 ^2D_{3/2}$	7.0	1.10e+04
Si XIII	6.7404	$1s^2 ^1S_0 - 1s 2s ^3S_1$	7.1	2.36e+05
Si XII d	6.7432	$1s^2 2p^2 P_{3/2} - 1s 2p^2 ^2D_{5/2}$	7.0	1.64e+04
Si XII	6.7843	$1s^2 2s^2 S_{1/2} - 1s 2s (^3P) 2p ^4P_{5/2}$	7.1	1.26e+03
Ni XXVI	6.8111	$1s^2 2s^2 S_{1/2} - 1s^2 4p ^2P_{3/2}$	7.4	4.15e+03
Ni XXVI	6.8208	$1s^2 2s^2 S_{1/2} - 1s^2 4p ^2P_{1/2}$	7.4	2.22e+03
Ni XXVI	7.0063	$1s^2 2p^2 P_{1/2} - 1s^2 4d ^2D_{3/2}$	7.4	2.12e+03
Ni XXV *	7.0536	$2s^2 ^1S_0 - 2s 4p ^1P_1$	7.3	4.40e+03
Ni XXVI	7.0910	$1s^2 2p^2 P_{3/2} - 1s^2 4d ^2D_{5/2}$	7.4	3.73e+03
Mg XII	7.1058	$1s^2 S_{1/2} - 3p ^2P_{3/2}$	7.1	7.86e+04
Mg XII	7.1069	$1s^2 S_{1/2} - 3p ^2P_{1/2}$	7.1	3.94e+04
Ni XXVI	7.1376	$1s^2 2p^2 P_{3/2} - 1s^2 4s ^2S_{1/2}$	7.4	1.85e+03
Fe XXIV *	7.1646	$1s^2 2s^2 S_{1/2} - 1s^2 5p ^2P_{1/2}$	7.3	1.29e+04
Fe XXIV	7.1690	$1s^2 2s^2 S_{1/2} - 1s^2 5p ^2P_{3/2}$	7.3	2.66e+04
Al XIII	7.1709	$1s^2 S_{1/2} - 2p ^2P_{3/2}$	7.1	4.68e+04
Al XIII	7.1763	$1s^2 S_{1/2} - 2p ^2P_{1/2}$	7.1	2.34e+04
Mg XI	7.3103	$1s^2 ^1S_0 - 1s 5p ^1P_1$	7.0	5.83e+03
Fe XXIV	7.3700	$1s^2 2p^2 P_{1/2} - 1s^2 5d ^2D_{3/2}$	7.2	1.14e+04
Fe XXIV	7.3891	$1s^2 2p^2 P_{1/2} - 1s^2 5s ^2S_{1/2}$	7.3	2.65e+03
Fe XXIV	7.4380	$1s^2 2p^2 P_{3/2} - 1s^2 5d ^2D_{5/2}$	7.2	2.07e+04
Fe XXIV	7.4406	$1s^2 2p^2 P_{3/2} - 1s^2 5d ^2D_{3/2}$	7.2	2.27e+03
Fe XXIV	7.4601	$1s^2 2p^2 P_{3/2} - 1s^2 5s ^2S_{1/2}$	7.3	8.82e+03
Ni XXV *	7.4703	$2s 2p ^1P_1 - 2s 4d ^1D_2$	7.3	4.48e+03
Fe XXIII	7.4720	$2s^2 ^1S_0 - 2s 5p ^1P_1$	7.2	2.25e+04
Fe XXIII	7.4720	$2s^2 ^1S_0 - 2s 5p ^3P_1$	7.2	3.18e+03
Mg XI	7.4731	$1s^2 ^1S_0 - 1s 4p ^1P_1$	7.0	1.31e+04
Fe XXV	7.4833	$1s 2s ^3S_1 - 1s 4p ^3P_2$	7.8	1.47e+03



Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Ni XXV *	7.5456	2s 2p $^1P_1$ - 2s 4s $^1S_0$	7.3	2.08e+03
Fe XXIII	7.6709	2s 2p $^3P_0$ - 2s 5d $^3D_1$	7.2	1.24e+03
Fe XXIII	7.6800	2s 2p $^3P_1$ - 2s 5d $^3D_2$	7.2	2.47e+03
Fe XXIII	7.7330	2s 2p $^3P_2$ - 2s 5d $^3D_3$	7.2	4.07e+03
Al XII	7.7573	1s <sup>2</sup> $^1S_0$ - 1s 2p $^1P_1$	7.1	3.24e+04
Al XII	7.8070	1s <sup>2</sup> $^1S_0$ - 1s 2p $^3P_1$	7.0	3.70e+03
Mg XI	7.8505	1s <sup>2</sup> $^1S_0$ - 1s 3p $^1P_1$	7.0	4.07e+04
Fe XXII *	7.8675	2s <sup>2</sup> 2p $^2P_{1/2}$ - 2s 2p ( $^3P$ ) 5p $^2D_{3/2}$	7.2	6.78e+03
Fe XXII *	7.8697	2s <sup>2</sup> 2p $^2P_{1/2}$ - 2s 2p ( $^3P$ ) 5p $^2P_{1/2}$	7.2	4.62e+03
Al XII	7.8721	1s <sup>2</sup> $^1S_0$ - 1s 2s $^3S_1$	7.0	1.21e+04
Fe XXII *	7.8774	2s <sup>2</sup> 2p $^2P_{1/2}$ - 2s 2p ( $^3P$ ) 5p $^4D_{3/2}$	7.2	1.70e+03
Fe XXIII	7.8830	2s 2p $^1P_1$ - 2s 5d $^1D_2$	7.2	2.20e+04
Fe XXII *	7.8895	2s <sup>2</sup> 2p $^2P_{1/2}$ - 2s 2p ( $^3P$ ) 5p $^4P_{3/2}$	7.2	1.43e+03
Fe XXIII	7.9340	2s 2p $^1P_1$ - 2s 5s $^1S_0$	7.2	1.26e+04
Fe XXIV	7.9840	1s <sup>2</sup> 2s $^2S_{1/2}$ - 1s <sup>2</sup> 4p $^2P_{3/2}$	7.3	7.74e+04
Fe XXIV	7.9930	1s <sup>2</sup> 2s $^2S_{1/2}$ - 1s <sup>2</sup> 4p $^2P_{1/2}$	7.3	3.92e+04
Mg X d	8.0697	1s <sup>2</sup> 2p $^2P_{3/2}$ - 1s 2p ( $^3P$ ) 3p $^2D_{5/2}$	6.9	1.11e+03
Fe XXII	8.0904	2s <sup>2</sup> 2p $^2P_{1/2}$ - 2s <sup>2</sup> 5d $^2D_{3/2}$	7.2	2.77e+04
Fe XXII	8.1360	2s 2p <sup>2</sup> $^4P_{3/2}$ - 2s 2p ( $^3P$ ) 5d $^2F_{5/2}$	7.2	1.55e+03
Fe XXII	8.1610	2s 2p <sup>2</sup> $^4P_{3/2}$ - 2s 2p ( $^3P$ ) 5d $^4P_{5/2}$	7.1	2.14e+03
Fe XXII	8.1686	2s <sup>2</sup> 2p $^2P_{3/2}$ - 2s <sup>2</sup> 5d $^2D_{3/2}$	7.2	5.25e+03
Fe XXII	8.1690	2s <sup>2</sup> 2p $^2P_{3/2}$ - 2s <sup>2</sup> 5d $^2D_{5/2}$	7.1	4.80e+03
Fe XXII *	8.1811	2s 2p <sup>2</sup> $^4P_{5/2}$ - 2s 2p ( $^3P$ ) 5d $^4F_{7/2}$	7.1	1.32e+03
Fe XXIV	8.2326	1s <sup>2</sup> 2p $^2P_{1/2}$ - 1s <sup>2</sup> 4d $^2D_{3/2}$	7.2	3.90e+04
Fe XXIV	8.2857	1s <sup>2</sup> 2p $^2P_{1/2}$ - 1s <sup>2</sup> 4s $^2S_{1/2}$	7.2	1.29e+04
Fe XXIII	8.3029	2s <sup>2</sup> $^1S_0$ - 2s 4p $^1P_1$	7.2	8.30e+04
Fe XXIII	8.3150	2s <sup>2</sup> $^1S_0$ - 2s 4p $^3P_1$	7.2	1.16e+04
Fe XXIV	8.3164	1s <sup>2</sup> 2p $^2P_{3/2}$ - 1s <sup>2</sup> 4d $^2D_{5/2}$	7.2	6.98e+04
Fe XXIV	8.3208	1s <sup>2</sup> 2p $^2P_{3/2}$ - 1s <sup>2</sup> 4d $^2D_{3/2}$	7.2	7.58e+03
Fe XXII	8.3230	2s 2p <sup>2</sup> $^2D_{3/2}$ - 2s 2p ( $^3P$ ) 5d $^2F_{5/2}$	7.2	6.46e+03
Fe XXIII	8.3607	2p <sup>2</sup> $^1S_0$ - 2s 5p $^1P_1$	7.2	1.13e+03
Fe XXIV	8.3751	1s <sup>2</sup> 2p $^2P_{3/2}$ - 1s <sup>2</sup> 4s $^2S_{1/2}$	7.2	3.08e+04
Fe XXII *	8.3830	2s 2p <sup>2</sup> $^2D_{3/2}$ - 2s 2p ( $^3P$ ) 5s $^2P_{1/2}$	7.2	5.41e+03
Mg XI d	8.4062	1s 3d $^1D_2$ - 2p 3d $^1F_3$	7.1	2.81e+03
Mg XI d	8.4086	1s 3p $^1P_1$ - 2s 3d $^1D_2$	7.1	1.25e+03
Fe XXII *	8.4176	2s 2p <sup>2</sup> $^2P_{1/2}$ - 2s 2p ( $^3P$ ) 5d $^2D_{3/2}$	7.2	4.45e+03
Mg XII	8.4192	1s $^2S_{1/2}$ - 2p $^2P_{3/2}$	7.1	5.50e+05
Mg XII	8.4246	1s $^2S_{1/2}$ - 2p $^2P_{1/2}$	7.1	2.75e+05
Mg XI d	8.4317	1s 3p $^3P_2$ - 2p 3p $^3P_2$	7.1	1.14e+03
Fe XXIII *	8.4326	2s 2p $^1P_1$ - 2p 4p $^1S_0$	7.2	1.39e+03
Mg XI d	8.4446	1s 3p $^1P_1$ - 2p 3p $^1D_2$	7.1	1.08e+03
Mg XI d	8.4487	1s 3d $^3D_3$ - 2p 3d $^3F_4$	7.1	1.78e+03
Na XI	8.4591	1s $^2S_{1/2}$ - 3p $^2P_{3/2}$	7.1	2.53e+03
Na XI	8.4603	1s $^2S_{1/2}$ - 3p $^2P_{1/2}$	7.1	1.27e+03
Fe XXII *	8.4687	2s 2p <sup>2</sup> $^2P_{1/2}$ - 2s 2p ( $^3P$ ) 5s $^2P_{1/2}$	7.2	2.41e+03
Mg XI d	8.5003	1s 2s $^1S_0$ - 2s 2p $^1P_1$	7.1	2.42e+03
Mg XI d	8.5208	1s 2s $^3S_1$ - 2s 2p $^3P_2$	7.1	2.23e+03
Fe XXII *	8.5271	2s <sup>2</sup> 2p $^2P_{3/2}$ - 2s 2p ( $^1P$ ) 4p $^2P_{3/2}$	7.2	1.39e+03
Fe XXIII	8.5289	2s 2p $^3P_0$ - 2s 4d $^3D_1$	7.2	4.19e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXIII	8.5500	2s 2p $^3P_1$ - 2s 4d $^3D_2$	7.2	8.03e+03
Fe XXIII	8.5515	2s 2p $^3P_1$ - 2s 4d $^3D_1$	7.2	3.05e+03
Mg XI d	8.5605	1s 2p $^1P_1$ - 2p 2p $^1D_2$	7.1	7.75e+03
Fe XXI	8.5730	2s <sup>2</sup> 2p <sup>2</sup> $^3P_0$ - 2s <sup>2</sup> 2p 5d $^3D_1$	7.1	5.15e+04
Fe XXI *	8.6083	2s <sup>2</sup> 2p <sup>2</sup> $^3P_1$ - 2s <sup>2</sup> 2p 5d $^3P_2$	7.1	4.56e+03
Fe XXIII	8.6140	2s 2p $^3P_2$ - 2s 4d $^3D_3$	7.2	1.35e+04
Fe XXIII	8.6183	2s 2p $^3P_2$ - 2s 4d $^3D_2$	7.2	2.58e+03
Fe XXIII *	8.6241	2s 2p $^3P_1$ - 2s 4s $^3S_1$	7.2	1.28e+03
Fe XXI	8.6276	2s <sup>2</sup> 2p <sup>2</sup> $^3P_1$ - 2s <sup>2</sup> 2p 5d $^3D_1$	7.1	7.46e+03
Fe XXI	8.6430	2s <sup>2</sup> 2p <sup>2</sup> $^3P_2$ - 2s <sup>2</sup> 2p 5d $^3F_3$	7.1	3.14e+03
Fe XXIII	8.6720	2p <sup>2</sup> $^3P_0$ - 2p 4d $^3D_1$	7.2	2.10e+03
Fe XXIII *	8.6926	2s 2p $^3P_2$ - 2s 4s $^3S_1$	7.2	2.48e+03
Fe XXII	8.7150	2s <sup>2</sup> 2p $^2P_{1/2}$ - 2s 2p ( $^3P$ ) 4p $^2P_{1/2}$	7.2	1.36e+04
Fe XXII	8.7150	2s <sup>2</sup> 2p $^2P_{1/2}$ - 2s 2p ( $^3P$ ) 4p $^2D_{3/2}$	7.2	2.35e+04
Fe XXI *	8.7352	2s <sup>2</sup> 2p <sup>2</sup> $^1S_0$ - 2s <sup>2</sup> 2p 5d $^1P_1$	7.1	2.97e+03
Fe XXII	8.7380	2s <sup>2</sup> 2p $^2P_{3/2}$ - 2s 2p ( $^3P$ ) 4p $^2D_{5/2}$	7.1	1.58e+03
Fe XXII	8.7433	2s <sup>2</sup> 2p $^2P_{1/2}$ - 2s 2p ( $^3P$ ) 4p $^4P_{3/2}$	7.1	7.66e+03
Fe XXII	8.7530	2s <sup>2</sup> 2p $^2P_{1/2}$ - 2s 2p ( $^3P$ ) 4p $^4D_{1/2}$	7.2	2.68e+03
Fe XXIII	8.8140	2s 2p $^1P_1$ - 2s 4d $^1D_2$	7.2	8.83e+04
Fe XXII	8.8346	2s <sup>2</sup> 2p $^2P_{3/2}$ - 2s 2p ( $^3P$ ) 4p $^4P_{3/2}$	7.1	1.89e+03
Fe XXI	8.8400	2s <sup>2</sup> 2p <sup>2</sup> $^3P_0$ - 2s 2p <sup>2</sup> ( $^2S$ ) 4p $^3P_1$	7.1	1.67e+03
Fe XXI	8.8552	2s <sup>2</sup> 2p <sup>2</sup> $^1S_0$ - 2s <sup>2</sup> 2p 5d $^3D_1$	7.1	3.66e+03
Fe XXIII	8.9060	2s 2p $^1P_1$ - 2s 4s $^1S_0$	7.2	3.46e+04
Fe XXII	8.9600	2s 2p <sup>2</sup> $^2D_{3/2}$ - 2s 2p ( $^1P$ ) 4d $^2F_{5/2}$	7.1	2.52e+03
Fe XXII	8.9773	2s <sup>2</sup> 2p $^2P_{1/2}$ - 2s <sup>2</sup> 4d $^2D_{3/2}$	7.1	8.29e+04
Fe XXII	8.9930	2s 2p <sup>2</sup> $^4P_{1/2}$ - 2s 2p ( $^3P$ ) 4d $^4D_{1/2}$	7.1	1.23e+03
Fe XXII	8.9930	2s 2p <sup>2</sup> $^4P_{1/2}$ - 2s 2p ( $^3P$ ) 4d $^4D_{3/2}$	7.1	1.96e+03
Fe XXII	9.0110	2s 2p <sup>2</sup> $^4P_{3/2}$ - 2s 2p ( $^3P$ ) 4d $^2F_{5/2}$	7.2	4.19e+03
Fe XXII	9.0230	2s 2p <sup>2</sup> $^4P_{1/2}$ - 2s 2p ( $^3P$ ) 4d $^4F_{3/2}$	7.1	1.39e+03
Fe XXII *	9.0460	2s 2p <sup>2</sup> $^4P_{3/2}$ - 2s 2p ( $^3P$ ) 4d $^4P_{5/2}$	7.1	3.20e+03
Ni XXVI	9.0613	1s <sup>2</sup> 2s $^2S_{1/2}$ - 1s <sup>2</sup> 3p $^2P_{3/2}$	7.4	2.43e+04
Fe XXII	9.0650	2s 2p <sup>2</sup> $^4P_{3/2}$ - 2s 2p ( $^3P$ ) 4d $^4F_{5/2}$	7.1	4.47e+03
Fe XX	9.0650	2s <sup>2</sup> 2p <sup>3</sup> $^4S_{3/2}$ - 2s <sup>2</sup> 2p <sup>2</sup> ( $^3P$ ) 5d $^4P_{1/2}$	7.1	1.19e+04
Fe XX	9.0689	2s <sup>2</sup> 2p <sup>3</sup> $^4S_{3/2}$ - 2s <sup>2</sup> 2p <sup>2</sup> ( $^3P$ ) 5d $^4P_{3/2}$	7.1	1.71e+04
Fe XX	9.0689	2s <sup>2</sup> 2p <sup>3</sup> $^4S_{3/2}$ - 2s <sup>2</sup> 2p <sup>2</sup> ( $^3P$ ) 5d $^4P_{5/2}$	7.1	8.62e+03
Fe XXII	9.0737	2s <sup>2</sup> 2p $^2P_{3/2}$ - 2s <sup>2</sup> 4d $^2D_{3/2}$	7.1	1.60e+04
Fe XXII	9.0750	2s <sup>2</sup> 2p $^2P_{3/2}$ - 2s <sup>2</sup> 4d $^2D_{5/2}$	7.1	1.33e+04
Fe XXII *	9.0779	2s 2p <sup>2</sup> $^2D_{3/2}$ - 2s 2p ( $^1P$ ) 4s $^2P_{1/2}$	7.1	1.32e+03
Fe XXII *	9.0853	2s 2p <sup>2</sup> $^4P_{5/2}$ - 2s 2p ( $^3P$ ) 4d $^4F_{7/2}$	7.1	3.69e+03
Fe XXII *	9.0898	2s 2p <sup>2</sup> $^4P_{5/2}$ - 2s 2p ( $^3P$ ) 4d $^4P_{5/2}$	7.1	1.64e+03
Ni XXVI	9.1050	1s <sup>2</sup> 2s $^2S_{1/2}$ - 1s <sup>2</sup> 3p $^2P_{1/2}$	7.4	1.31e+04
Fe XX	9.1100	2s <sup>2</sup> 2p <sup>3</sup> $^4S_{3/2}$ - 2s <sup>2</sup> 2p <sup>2</sup> ( $^3P$ ) 5d $^4F_{5/2}$	7.1	1.24e+04
Fe XX	9.1100	2s <sup>2</sup> 2p <sup>3</sup> $^4S_{3/2}$ - 2s <sup>2</sup> 2p <sup>2</sup> ( $^3P$ ) 5d $^2P_{3/2}$	7.1	2.92e+03
Fe XXII	9.1157	2s <sup>2</sup> 2p $^2P_{1/2}$ - 2s <sup>2</sup> 4s $^2S_{1/2}$	7.1	1.47e+03
Ni XIX	9.1399	2p <sup>6</sup> $^1S_0$ - 2s 2p <sup>6</sup> 4p $^1P_1$	7.0	1.81e+03
Fe XXI	9.1404	2s <sup>2</sup> 2p <sup>2</sup> $^1S_0$ - 2s 2p <sup>2</sup> ( $^2S$ ) 4p $^3P_1$	7.1	1.30e+03
Fe XXII	9.1545	2s 2p <sup>2</sup> $^4P_{3/2}$ - 2s 2p ( $^3P$ ) 4s $^2P_{1/2}$	7.1	1.34e+03
Fe XX	9.1630	2s <sup>2</sup> 2p <sup>3</sup> $^4S_{3/2}$ - 2s <sup>2</sup> 2p <sup>2</sup> ( $^3P$ ) 5d $^4D_{5/2}$	7.1	5.17e+03
Mg XI	9.1688	1s <sup>2</sup> $^1S_0$ - 1s 2p $^1P_1$	7.0	2.73e+05

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXII *	9.1689	$2s 2p^2 {}^2P_{3/2} - 2s 2p ({}^1P) 4d {}^2D_{5/2}$	7.2	2.96e+03
Mg X d	9.1802	$1s^2 3d {}^2D_{3/2} - 1s 2p ({}^1P) 3d {}^2F_{5/2}$	6.9	2.19e+03
Mg X d	9.1817	$1s^2 3d {}^2D_{5/2} - 1s 2p ({}^1P) 3d {}^2F_{7/2}$	6.9	3.34e+03
Fe XXII *	9.1871	$2s 2p^2 {}^4P_{3/2} - 2s 2p ({}^3P) 4s {}^4P_{1/2}$	7.1	2.33e+03
Mg X d	9.1895	$1s^2 3s {}^2S_{1/2} - 1s 2p ({}^1P) 3s {}^2P_{3/2}$	6.9	1.25e+03
Fe XXI *	9.1912	$2s^2 2p^2 {}^3P_0 - 2s 2p^2 ({}^4P) 4p {}^3D_1$	7.1	3.06e+04
Mg X d	9.1935	$1s^2 3p {}^2P_{1/2} - 1s 2p ({}^1P) 3p {}^2D_{3/2}$	6.9	2.11e+03
Mg X d	9.1946	$1s^2 3p {}^2P_{3/2} - 1s 2p ({}^1P) 3p {}^2D_{5/2}$	6.9	3.26e+03
Fe XXI *	9.1957	$2s^2 2p^2 {}^3P_2 - 2s 2p^2 ({}^4P) 4f {}^3D_3$	7.1	1.53e+03
Fe XX *	9.2111	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 5d {}^2F_{7/2}$	7.1	1.30e+03
Fe XXII	9.2150	$2s^2 2p {}^2P_{3/2} - 2s^2 4s {}^2S_{1/2}$	7.1	3.00e+03
Fe XX	9.2160	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 5d {}^4P_{5/2}$	7.1	1.56e+03
Fe XX	9.2160	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 5d {}^4P_{3/2}$	7.1	1.22e+03
Fe XX	9.2200	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 5d {}^2F_{5/2}$	7.1	3.49e+03
Mg XI	9.2282	$1s^2 {}^1S_0 - 1s 2p {}^3P_2$	6.9	3.49e+03
Mg XI	9.2312	$1s^2 {}^1S_0 - 1s 2p {}^3P_1$	6.9	3.14e+04
Fe XXII	9.2410	$2s 2p^2 {}^2D_{3/2} - 2s 2p ({}^3P) 4d {}^2F_{5/2}$	7.2	2.17e+04
Fe XXII	9.2605	$2s 2p^2 {}^2D_{3/2} - 2s 2p ({}^3P) 4d {}^2D_{3/2}$	7.2	3.94e+03
Fe XXI *	9.2808	$2s^2 2p^2 {}^3P_1 - 2s 2p^2 ({}^4P) 4p {}^5D_1$	7.1	1.20e+03
Fe XX	9.2809	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 5d {}^4D_{5/2}$	7.1	5.11e+03
Mg X	9.2840	$1s^2 2s {}^2S_{1/2} - 1s 2s ({}^3P) 2p {}^2P_{3/2}$	6.9	1.38e+03
Mg XI	9.3144	$1s^2 {}^1S_0 - 1s 2s {}^3S_1$	6.9	1.01e+05
Mg X d	9.3161	$1s^2 2p {}^2P_{1/2} - 1s 2p^2 {}^2D_{3/2}$	6.9	2.06e+03
Mg X d	9.3206	$1s^2 2p {}^2P_{3/2} - 1s 2p^2 {}^2D_{5/2}$	6.9	3.25e+03
Fe XXI *	9.3235	$2s 2p^3 {}^3P_1 - 2s^2 2p 5p {}^3P_0$	7.1	1.08e+03
Fe XX	9.3246	$2s^2 2p^3 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 5d {}^4D_{3/2}$	7.1	1.55e+03
Ni XXV	9.3300	$2s^2 {}^1S_0 - 2s 3p {}^1P_1$	7.3	1.99e+04
Ni XXV	9.3550	$2s^2 {}^1S_0 - 2s 3p {}^3P_1$	7.3	1.14e+04
Ne X	9.3616	$1s {}^2S_{1/2} - 6p {}^2P_{3/2}$	7.1	6.37e+03
Ne X	9.3617	$1s {}^2S_{1/2} - 6p {}^2P_{1/2}$	7.1	3.18e+03
Fe XXII	9.3620	$2s 2p^2 {}^2P_{1/2} - 2s 2p ({}^3P) 4d {}^2D_{3/2}$	7.2	1.27e+04
Ni XX	9.3770	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 4d {}^2P_{3/2}$	7.1	3.58e+03
Ni XX	9.3850	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 4d {}^2S_{1/2}$	7.1	2.52e+03
Ni XX	9.3850	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 4d {}^2F_{5/2}$	7.1	4.68e+03
Ni XXVI	9.3898	$1s^2 2p {}^2P_{1/2} - 1s^2 3d {}^2D_{3/2}$	7.4	1.60e+04
Fe XXII	9.3920	$2s 2p^2 {}^2D_{3/2} - 2s 2p ({}^3P) 4s {}^2P_{1/2}$	7.1	1.58e+04
Fe XXIII	9.4150	$2p^2 {}^1S_0 - 2s 4p {}^1P_1$	7.2	1.86e+03
Fe XXI	9.4170	$2s 2p^3 {}^3D_1 - 2s 2p^2 ({}^2P) 4d {}^3F_2$	7.1	3.15e+03
Ni XX	9.4550	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 4d {}^2D_{5/2}$	7.1	6.28e+03
Fe XXI	9.4751	$2s^2 2p^2 {}^3P_0 - 2s^2 2p 4d {}^3D_1$	7.1	1.52e+05
Ne X	9.4807	$1s {}^2S_{1/2} - 5p {}^2P_{3/2}$	7.1	1.17e+04
Ne X	9.4809	$1s {}^2S_{1/2} - 5p {}^2P_{1/2}$	7.1	5.83e+03
Cr XXII	9.4931	$1s^2 2s {}^2S_{1/2} - 1s^2 4p {}^2P_{3/2}$	7.2	1.46e+03
Ni XX	9.4955	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 4d {}^2D_{3/2}$	7.1	1.10e+03
Fe XXII	9.4965	$2s 2p^2 {}^2P_{1/2} - 2s 2p ({}^3P) 4s {}^2P_{1/2}$	7.1	6.71e+03
Fe XIX	9.5238	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2P) 5d {}^3D_3$	7.0	1.12e+03
Ni XXVI	9.5353	$1s^2 2p {}^2P_{3/2} - 1s^2 3d {}^2D_{5/2}$	7.4	2.82e+04
Fe XXI	9.5419	$2s^2 2p^2 {}^3P_1 - 2s^2 2p 4d {}^3D_1$	7.1	2.26e+04
Fe XXI	9.5480	$2s^2 2p^2 {}^3P_1 - 2s^2 2p 4d {}^3P_2$	7.1	1.14e+04

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Ni XXVI	9.5490	$1s^2 2p^2 2P_{3/2} - 1s^2 3d^2 D_{3/2}$	7.4	3.09e+03
Ni XX	9.5580	$2s^2 2p^5 2P_{3/2} - 2s^2 2p^4 ({}^3P) 4d^2 F_{5/2}$	7.1	7.43e+03
Fe XXI *	9.5588	$2s 2p^3 5S_2 - 2s 2p^2 ({}^4P) 4d^2 5P_3$	7.1	4.16e+03
Ni XX	9.5588	$2s^2 2p^5 2P_{3/2} - 2s^2 2p^4 ({}^3P) 4d^2 D_{3/2}$	7.1	3.95e+03
Fe XXI *	9.5610	$2s 2p^3 3D_1 - 2s 2p^2 ({}^2P) 4s^3 P_0$	7.1	1.54e+03
Fe XXI *	9.5667	$2s 2p^3 5S_2 - 2s 2p^2 ({}^4P) 4d^2 5F_2$	7.1	1.50e+03
Ni XXVI	9.5668	$1s^2 2p^2 2P_{1/2} - 1s^2 3s^2 S_{1/2}$	7.4	6.87e+03
Fe XXI	9.5817	$2s^2 2p^2 3P_2 - 2s^2 2p 4d^3 D_1$	7.1	2.87e+03
Fe XXI	9.5870	$2s^2 2p^2 3P_2 - 2s^2 2p 4d^3 F_3$	7.1	8.39e+03
Fe XXI *	9.6068	$2s^2 2p^2 3P_2 - 2s^2 2p 4d^3 F_2$	7.1	2.44e+03
Ni XXV	9.6275	$2s 2p^3 P_1 - 2s 3d^3 D_2$	7.2	1.58e+03
Fe XIX	9.6388	$2s^2 2p^4 3P_0 - 2s^2 2p^3 ({}^2P) 5d^3 D_1$	7.0	2.89e+03
Fe XXI *	9.6473	$2s^2 2p^2 3P_0 - 2s^2 2p 4s^3 P_1$	7.1	1.93e+03
Fe XXI	9.6900	$2s 2p^3 3S_1 - 2s 2p^2 ({}^2S) 4d^3 D_2$	7.1	5.78e+03
Fe XXI	9.6900	$2s^2 2p^2 1S_0 - 2s^2 2p 4d^1 P_1$	7.1	5.92e+03
Fe XIX *	9.6905	$2s^2 2p^4 3P_2 - 2s^2 2p^3 ({}^2D) 5d^3 P_2$	7.0	1.92e+04
Fe XIX	9.6910	$2s^2 2p^4 3P_2 - 2s^2 2p^3 ({}^2D) 5d^3 S_1$	7.0	7.08e+03
Fe XIX	9.6910	$2s^2 2p^4 3P_2 - 2s^2 2p^3 ({}^2D) 5d^3 D_3$	7.0	1.40e+04
Fe XVII *	9.6921	$2s^2 2p^6 1S_0 - 2s 2p^6 6p^1 P_1$	6.9	1.86e+03
Ni XXIV *	9.6962	$2s^2 2p^2 2P_{1/2} - 2s 2p ({}^3P) 3p^2 D_{3/2}$	7.2	8.83e+03
Fe XXI	9.7054	$2s^2 2p^2 1D_2 - 2s^2 2p 4d^3 F_3$	7.1	1.16e+03
Ne X	9.7080	$1s^2 S_{1/2} - 4p^2 P_{3/2}$	7.1	2.53e+04
Ne X	9.7085	$1s^2 S_{1/2} - 4p^2 P_{1/2}$	7.1	1.26e+04
Fe XIX	9.7260	$2s^2 2p^4 3P_2 - 2s^2 2p^3 ({}^2D) 5d^3 F_3$	7.0	1.08e+04
Fe XIX *	9.7280	$2s^2 2p^4 3P_2 - 2s^2 2p^3 ({}^2D) 5d^3 F_2$	7.0	1.45e+03
Ni XXVI	9.7321	$1s^2 2p^2 2P_{3/2} - 1s^2 3s^2 S_{1/2}$	7.4	1.46e+04
Ni XXIV *	9.7380	$2s^2 2p^2 2P_{1/2} - 2s 2p ({}^3P) 3p^2 P_{1/2}$	7.2	5.13e+03
Ni XXIV *	9.7549	$2s^2 2p^2 2P_{1/2} - 2s 2p ({}^3P) 3p^2 P_{3/2}$	7.2	3.23e+03
Ni XXV	9.7550	$2s 2p^3 P_2 - 2s 3d^3 D_3$	7.2	2.57e+03
Fe XXI *	9.7576	$2s^2 2p^2 3P_2 - 2s^2 2p 4s^3 P_1$	7.1	3.57e+03
Co XXV	9.7953	$1s^2 2s^2 S_{1/2} - 1s^2 3p^2 P_{3/2}$	7.3	1.11e+03
Fe XIX *	9.8025	$2s^2 2p^4 3P_1 - 2s^2 2p^3 ({}^2D) 5d^3 D_2$	7.0	3.53e+03
Fe XXII *	9.8046	$2s 2p^2 2P_{1/2} - 2s^2 4p^2 P_{1/2}$	7.1	1.14e+03
Fe XXI	9.8060	$2s 2p^3 3D_1 - 2s 2p^2 ({}^4P) 4d^3 P_2$	7.1	3.70e+04
Fe XIX *	9.8128	$2s^2 2p^4 3P_1 - 2s^2 2p^3 ({}^2D) 5d^3 F_2$	7.0	1.21e+03
Fe XXI	9.8211	$2s^2 2p^2 1S_0 - 2s^2 2p 4d^3 D_1$	7.1	7.74e+03
Ni XXIV *	9.8333	$2s^2 2p^2 2P_{1/2} - 2s 2p ({}^3P) 3p^4 D_{1/2}$	7.2	1.19e+03
Fe XIX *	9.8423	$2s^2 2p^4 1D_2 - 2s^2 2p^3 ({}^2D) 5d^1 F_3$	7.0	1.27e+03
Fe XIX	9.8480	$2s^2 2p^4 3P_2 - 2s^2 2p^3 ({}^4S) 5d^3 D_3$	7.0	3.84e+04
Fe XIX *	9.8509	$2s^2 2p^4 3P_2 - 2s^2 2p^3 ({}^4S) 5d^3 D_2$	7.0	3.69e+03
Fe XIX	9.8522	$2s^2 2p^4 1D_2 - 2s^2 2p^3 ({}^2D) 5d^3 S_1$	7.0	2.18e+03
Cr XXII	9.8653	$1s^2 2p^2 2P_{3/2} - 1s^2 4d^2 D_{5/2}$	7.2	1.35e+03
Fe XXI *	9.8685	$2s 2p^3 3S_1 - 2s 2p^2 ({}^2P) 4s^3 P_0$	7.1	3.00e+03
Fe XIX	9.8884	$2s^2 2p^4 1D_2 - 2s^2 2p^3 ({}^2D) 5d^3 F_3$	7.0	1.81e+03
Fe XIX *	9.9201	$2s^2 2p^4 3P_0 - 2s^2 2p^3 ({}^4S) 5d^3 D_1$	7.0	2.53e+03
Fe XX *	9.9209	$2s^2 2p^3 4S_{3/2} - 2s^2 2p^2 ({}^3P) 4f^4 F_{5/2}$	7.1	1.13e+03
Fe XXII *	9.9256	$2s 2p^2 2S_{1/2} - 2s^2 4p^2 P_{1/2}$	7.1	1.20e+03
Fe XIX *	9.9336	$2s^2 2p^4 3P_1 - 2s^2 2p^3 ({}^4S) 5d^3 D_1$	7.0	1.11e+03
Fe XIX *	9.9378	$2s^2 2p^4 3P_1 - 2s^2 2p^3 ({}^4S) 5d^3 D_2$	7.0	4.33e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXI	9.9507	$2s 2p^3 {}^3P_1 - 2s 2p^2 ({}^4P) 4d {}^3P_2$	7.1	3.76e+03
Ni XXV	9.9670	$2s 2p {}^1P_1 - 2s 3d {}^1D_2$	7.3	3.64e+04
Ni XXIV *	9.9728	$2s^2 2p {}^2P_{1/2} - 2s^2 3d {}^2D_{3/2}$	7.2	3.93e+04
Fe XXI	9.9730	$2s 2p^3 {}^3D_1 - 2s 2p^2 ({}^4P) 4s {}^3P_0$	7.1	2.56e+04
Ni XIX	9.9771	$2p^6 {}^1S_0 - 2p^5 4d {}^1P_1$	7.0	1.80e+04
Ni XXIV *	9.9777	$2s 2p^2 {}^4P_{3/2} - 2s 2p ({}^3P) 3d {}^2F_{5/2}$	7.2	3.05e+03
Fe XX	9.9980	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4P_{3/2}$	7.1	1.59e+03
Fe XX	9.9980	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4D_{5/2}$	7.1	1.92e+03
Fe XXV	10.0015	$1s 2s {}^3S_1 - 1s 3p {}^3P_2$	7.8	4.51e+03
Fe XX *	10.0115	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4D_{3/2}$	7.1	1.49e+03
Na XI	10.0232	$1s {}^2S_{1/2} - 2p {}^2P_{3/2}$	7.1	1.79e+04
Fe XX *	10.0235	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4F_{5/2}$	7.1	5.47e+03
Na XI	10.0286	$1s {}^2S_{1/2} - 2p {}^2P_{1/2}$	7.1	8.94e+03
Fe XXV	10.0372	$1s 2s {}^3S_1 - 1s 3p {}^3P_1$	7.8	1.41e+03
Ni XXIV *	10.0548	$2s 2p^2 {}^4P_{3/2} - 2s 2p ({}^3P) 3d {}^4P_{5/2}$	7.2	1.89e+03
Fe XIX *	10.0748	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 4p {}^5D_2$	7.1	1.56e+03
Fe XIX *	10.0755	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 4p {}^5D_3$	7.1	1.20e+03
Fe XIX *	10.0860	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 4p {}^5P_1$	7.1	1.19e+03
Fe XVII *	10.1028	$2s^2 2p^6 {}^1S_0 - 2s 2p^6 5p {}^1P_1$	6.9	5.42e+03
Fe XIX *	10.1066	$2s^2 2p^4 {}^3P_0 - 2s 2p^4 ({}^4P) 4p {}^3P_1$	7.0	1.09e+03
Ni XIX	10.1102	$2p^6 {}^1S_0 - 2p^5 4d {}^3D_1$	7.0	1.90e+04
Ni XXIV *	10.1132	$2s^2 2p {}^2P_{3/2} - 2s^2 3d {}^2D_{5/2}$	7.2	2.36e+03
Fe XIX *	10.1138	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 4p {}^3P_2$	7.1	4.31e+03
Fe XXI	10.1227	$2s 2p^3 {}^3P_1 - 2s 2p^2 ({}^4P) 4s {}^3P_0$	7.1	3.14e+03
Fe XIX *	10.1259	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 4p {}^3S_1$	7.1	2.81e+03
Ni XXIV *	10.1275	$2s^2 2p {}^2P_{3/2} - 2s^2 3d {}^2D_{3/2}$	7.2	7.44e+03
Fe XIX *	10.1373	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 4p {}^3D_3$	7.1	7.36e+03
Fe XX *	10.1514	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 4d {}^2P_{1/2}$	7.1	1.36e+03
Fe XX *	10.1559	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4D_{3/2}$	7.1	1.34e+03
Fe XVIII *	10.1637	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1S) 5d {}^2D_{5/2}$	6.9	1.13e+03
Fe XX *	10.1683	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4F_{5/2}$	7.1	5.81e+03
Fe XX *	10.1737	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 4d {}^4D_{7/2}$	7.1	2.03e+03
Fe XVIII *	10.1764	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^1P) 4p {}^2D_{5/2}$	7.0	1.08e+03
Ni XXIV *	10.2026	$2s 2p^2 {}^2D_{5/2} - 2s 2p ({}^3P) 3d {}^2D_{5/2}$	7.2	1.32e+03
Fe XX *	10.2116	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 4d {}^4F_{5/2}$	7.1	2.21e+03
Fe XXV	10.2202	$1s 2s {}^1S_0 - 1s 3p {}^1P_1$	7.8	1.13e+03
Ne X	10.2385	$1s {}^2S_{1/2} - 3p {}^2P_{3/2}$	7.1	7.44e+04
Ne X	10.2397	$1s {}^2S_{1/2} - 3p {}^2P_{1/2}$	7.1	3.72e+04
Ni XXIV *	10.2636	$2s 2p^2 {}^2D_{3/2} - 2s 2p ({}^3P) 3d {}^2F_{5/2}$	7.2	8.47e+03
Ni XXIV *	10.2792	$2s 2p^2 {}^2D_{3/2} - 2s 2p ({}^3P) 3d {}^2D_{3/2}$	7.2	1.83e+03
Ni XXV	10.2881	$2s 2p {}^1P_1 - 2s 3s {}^1S_0$	7.3	1.96e+04
Co XXV	10.3031	$1s^2 2p {}^2P_{3/2} - 1s^2 3d {}^2D_{5/2}$	7.3	1.46e+03
Fe XVIII *	10.3437	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 5d {}^2D_{3/2}$	7.0	1.50e+03
Fe XVIII *	10.3505	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 5d {}^2F_{5/2}$	7.0	1.76e+04
Fe XVIII *	10.3530	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 5d {}^2P_{3/2}$	7.0	1.54e+04
Fe XVIII *	10.3545	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 5d {}^2S_{1/2}$	7.0	1.08e+04
Fe XXV	10.3690	$1s 2p {}^3P_1 - 1s 3s {}^3S_1$	7.8	1.27e+03
Ni XXIV *	10.3766	$2s 2p^2 {}^2P_{1/2} - 2s 2p ({}^3P) 3d {}^2D_{3/2}$	7.2	2.44e+03
Fe XVII	10.3860	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 7d {}^3D_1$	6.9	1.28e+04

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XVIII *	10.4338	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 5d {}^2F_{5/2}$	7.0	3.24e+04
Fe XVIII *	10.4413	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 5d {}^4D_{3/2}$	6.9	2.72e+03
Fe XVIII *	10.4550	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 5d {}^2P_{1/2}$	6.9	3.02e+03
Fe XVIII *	10.4571	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 5d {}^2D_{3/2}$	7.0	5.42e+03
Fe XVIII *	10.4666	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 5d {}^2P_{3/2}$	7.0	4.61e+03
Fe XVIII *	10.4681	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 5d {}^2S_{1/2}$	7.0	1.77e+03
Fe XIX *	10.4822	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^2P) 4d {}^3D_3$	7.0	1.42e+03
Fe XXI *	10.4853	$2s 2p^3 {}^3P_1 - 2s^2 2p 4p {}^3P_0$	7.1	1.86e+03
Fe XVIII *	10.4884	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 4p {}^4D_{5/2}$	7.0	1.66e+03
Fe XXV	10.4888	$1s 2p {}^1P_1 - 1s 3d {}^1D_2$	7.8	1.10e+03
Fe XVIII *	10.4902	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 4p {}^4P_{1/2}$	7.0	1.10e+03
Fe XXV	10.4985	$1s 2p {}^3P_2 - 1s 3s {}^3S_1$	7.8	1.10e+03
Fe XVIII *	10.4989	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 4p {}^4D_{3/2}$	7.0	1.30e+03
Fe XVII	10.5000	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 7d {}^1P_1$	6.9	2.52e+04
Fe XXIII	10.5055	$2s^2 {}^1S_0 - 2p 3s {}^1P_1$	7.2	2.38e+03
Fe XVIII *	10.5229	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 5d {}^2D_{5/2}$	7.0	3.87e+04
Fe XVIII	10.5261	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 5d {}^2D_{3/2}$	7.0	1.92e+04
Fe XVIII *	10.5306	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 4p {}^2P_{1/2}$	7.0	1.64e+03
Fe XVIII *	10.5333	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 5d {}^2P_{1/2}$	7.0	5.56e+03
Fe XVIII *	10.5437	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 5d {}^2P_{3/2}$	6.9	1.90e+03
Fe XVIII *	10.5506	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 4p {}^4P_{5/2}$	7.0	3.71e+03
Fe XVIII *	10.5525	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 4p {}^2P_{3/2}$	7.0	4.10e+03
Fe XVIII *	10.5654	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 4p {}^2D_{5/2}$	7.0	2.19e+03
Fe XVIII	10.5800	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 5s {}^4P_{1/2}$	6.9	2.18e+03
Fe XXV	10.5859	$1s 2p {}^1P_1 - 1s 3s {}^1S_0$	7.8	3.75e+03
Fe XXIV	10.6190	$1s^2 2s {}^2S_{1/2} - 1s^2 3p {}^2P_{3/2}$	7.3	4.55e+05
Fe XIX	10.6320	$2s^2 2p^4 {}^3P_0 - 2s^2 2p^3 ({}^2P) 4d {}^3D_1$	7.0	7.53e+03
Fe XIX	10.6323	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 4d {}^3S_1$	7.0	2.01e+04
Fe XVIII	10.6410	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 5d {}^2D_{3/2}$	7.0	2.86e+03
Fe XIX	10.6410	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 4d {}^3P_2$	7.0	4.64e+04
Fe XIX *	10.6436	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 4d {}^1P_1$	7.0	1.70e+03
Fe XIX	10.6550	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 4d {}^3D_3$	7.0	4.25e+04
Fe XIX	10.6575	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 4d {}^3D_2$	7.0	1.59e+03
Fe XVII	10.6580	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 6d {}^3D_1$	6.9	2.81e+04
Fe XXIV	10.6630	$1s^2 2s {}^2S_{1/2} - 1s^2 3p {}^2P_{1/2}$	7.3	2.38e+05
Fe XVIII *	10.6692	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 5s {}^2P_{3/2}$	7.0	1.31e+03
Fe XIX *	10.6736	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2P) 4d {}^3D_3$	7.0	2.50e+03
Fe XIX *	10.6754	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2P) 4d {}^1F_3$	7.0	1.70e+03
Fe XIX	10.6840	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 4d {}^3F_3$	7.0	2.08e+04
Fe XIX *	10.6976	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 4d {}^3D_1$	7.0	1.18e+03
Fe XIX *	10.6981	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 4d {}^3G_3$	7.0	1.66e+03
Fe XIX	10.7016	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 4d {}^3F_2$	7.0	4.10e+03
Ni XXIV *	10.7130	$2s 2p^2 {}^2D_{3/2} - 2s 2p ({}^3P) 3s {}^2P_{1/2}$	7.2	1.16e+04
Fe XIX *	10.7241	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^2P) 4s {}^3P_2$	7.0	8.28e+03
Fe XIX	10.7344	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 4d {}^3S_1$	7.0	1.48e+03
Fe XIX	10.7433	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 4d {}^3P_2$	7.0	1.52e+03
Fe XIX	10.7436	$2s^2 2p^4 {}^3P_0 - 2s^2 2p^3 ({}^2D) 4d {}^3P_1$	7.0	1.24e+03
Fe XIX *	10.7452	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 4d {}^1P_1$	7.0	2.74e+03
Fe XIX *	10.7522	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2P) 4d {}^3F_3$	7.0	2.00e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XIX	10.7600	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 4d {}^3D_2$	7.0	7.24e+03
Fe XIX	10.7600	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 4d {}^3P_1$	7.0	2.42e+03
Ne IX	10.7643	$1s^2 {}^1S_0 - 1s 5p {}^1P_1$	6.9	3.17e+03
Fe XVII	10.7700	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 6d {}^1P_1$	6.9	4.74e+04
Fe XIX *	10.7844	$2s^2 2p^4 {}^3P_0 - 2s^2 2p^3 ({}^2D) 4d {}^3D_1$	7.0	1.73e+03
Fe XIX *	10.7959	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^2P) 4s {}^3P_2$	7.0	2.13e+03
Fe XIX	10.8050	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 4d {}^3F_2$	7.0	2.46e+03
Fe XIX	10.8050	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 4d {}^1F_3$	7.0	5.85e+03
Fe XXIII	10.8130	$2s 2p {}^3P_2 - 2p 3d {}^3F_4$	7.2	1.15e+03
Fe XIX	10.8160	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 4d {}^3D_3$	7.0	7.54e+04
Ni XXIV *	10.8189	$2s 2p^2 {}^2P_{1/2} - 2s 2p ({}^3P) 3s {}^2P_{1/2}$	7.2	4.25e+03
Fe XIX *	10.8243	$2s 2p^5 {}^3P_1 - 2s^2 2p^3 ({}^2D) 5p {}^3D_2$	7.0	2.46e+03
Fe XIX	10.8267	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 4d {}^3S_1$	7.0	6.33e+03
Fe XIX	10.8270	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 4d {}^1D_2$	7.0	1.94e+03
Fe XIX	10.8271	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 4d {}^3D_2$	7.0	6.76e+03
Fe XX *	10.8314	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^3P) 4d {}^2F_{5/2}$	7.1	1.48e+03
Fe XIX *	10.8406	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 4d {}^1P_1$	7.0	1.08e+03
Fe XX *	10.8475	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^3P) 4d {}^4F_{5/2}$	7.1	1.56e+03
Fe XXIII *	10.8844	$2s 2p {}^3P_0 - 2p 3p {}^1P_1$	7.2	1.50e+03
Fe XIX *	10.8971	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 4d {}^3G_3$	7.0	1.94e+03
Fe XXIII	10.9028	$2s 2p {}^3P_2 - 2p 3p {}^3P_2$	7.2	1.61e+03
Fe XIX *	10.9038	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 4s {}^3D_3$	7.0	3.47e+03
Fe XIX	10.9161	$2s^2 2p^4 {}^3P_0 - 2s^2 2p^3 ({}^4S) 4d {}^3D_1$	7.0	5.43e+03
Fe XXII *	10.9223	$2s^2 2p {}^2P_{1/2} - 2s 2p ({}^1P) 3p {}^2S_{1/2}$	7.1	2.16e+03
Fe XX *	10.9256	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^3P) 4d {}^4P_{5/2}$	7.1	2.46e+03
Fe XXIII	10.9270	$2s 2p {}^3P_2 - 2p 3p {}^3D_3$	7.2	1.72e+03
Fe XIX	10.9330	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^4S) 4d {}^3D_1$	7.0	2.06e+03
Fe XIX	10.9330	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^4S) 4d {}^3D_2$	7.0	8.34e+03
Fe XXIII	10.9351	$2s 2p {}^3P_1 - 2p 3p {}^3D_2$	7.2	3.16e+03
Fe XIX *	10.9468	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 4s {}^3D_2$	7.0	1.20e+03
Fe XX *	10.9555	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^3P) 4p {}^4P_{1/2}$	7.1	1.81e+03
Fe XIX *	10.9735	$2s 2p^5 {}^3P_1 - 2s^2 2p^3 ({}^4S) 5p {}^3P_2$	7.0	6.73e+03
Fe XXIII	10.9800	$2s^2 {}^1S_0 - 2s 3p {}^1P_1$	7.2	3.44e+05
Fe XIX	10.9810	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 4d {}^5P_2$	7.0	1.59e+03
Fe XIX	10.9810	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 4d {}^5F_3$	7.0	1.67e+03
Fe XXII *	10.9826	$2s^2 2p {}^2P_{1/2} - 2s 2p ({}^1P) 3p {}^2P_{3/2}$	7.1	1.62e+03
Fe XX *	10.9839	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^3P) 4p {}^2S_{1/2}$	7.1	2.17e+03
Fe XX *	10.9867	$2s 2p^4 {}^4P_{3/2} - 2s^2 2p^2 ({}^3P) 4p {}^4S_{3/2}$	7.1	2.10e+04
Fe XIX *	10.9946	$2s 2p^5 {}^3P_1 - 2s^2 2p^3 ({}^4S) 5p {}^5P_2$	7.0	3.04e+03
Fe XIX *	10.9984	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^4P) 4d {}^3P_2$	7.0	1.46e+03
Ne IX	11.0004	$1s^2 {}^1S_0 - 1s 4p {}^1P_1$	6.9	6.38e+03
Na X	11.0030	$1s^2 {}^1S_0 - 1s 2p {}^1P_1$	6.9	5.73e+03
Fe XX *	11.0065	$2s 2p^4 {}^4P_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4P_{5/2}$	7.1	1.83e+04
Fe XXIII	11.0180	$2s^2 {}^1S_0 - 2s 3p {}^3P_1$	7.2	2.18e+05
Fe XX *	11.0208	$2s 2p^4 {}^4P_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4F_{3/2}$	7.1	2.93e+03
Fe XVII	11.0230	$2s^2 2p^6 {}^1S_0 - 2s 2p^6 4p {}^1P_1$	6.9	1.39e+04
Fe XXII *	11.0249	$2s^2 2p {}^2P_{1/2} - 2s 2p ({}^1P) 3p {}^2P_{1/2}$	7.1	1.51e+03
Fe XIX *	11.0272	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 4d {}^3D_2$	7.0	3.44e+03
Fe XXIV	11.0290	$1s^2 2p {}^2P_{1/2} - 1s^2 3d {}^2D_{3/2}$	7.2	3.00e+05

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XX *	11.0299	$2s 2p^4 4P_{5/2} - 2s^2 2p^2 ({}^3P) 4s 4P_{5/2}$	7.1	4.17e+03
Fe XX *	11.0302	$2s 2p^4 4P_{3/2} - 2s^2 2p^2 ({}^3P) 4p 2D_{3/2}$	7.1	3.21e+03
Fe XIX *	11.0316	$2s 2p^5 3P_2 - 2s 2p^4 ({}^4P) 4d 3D_3$	7.0	6.20e+03
Fe XX *	11.0320	$2s 2p^4 4P_{1/2} - 2s^2 2p^2 ({}^3P) 4p 4P_{5/2}$	7.1	2.62e+03
Fe XX *	11.0332	$2s 2p^4 4P_{1/2} - 2s^2 2p^2 ({}^3P) 4d 4P_{5/2}$	7.1	1.08e+04
Fe XIX *	11.0337	$2s 2p^5 3P_2 - 2s 2p^4 ({}^4P) 4d 3P_1$	7.0	1.07e+03
Fe XVII	11.0430	$2s^2 2p^6 1S_0 - 2s 2p^6 4p 3P_1$	6.9	1.33e+03
Fe XX *	11.0474	$2s 2p^4 4P_{3/2} - 2s^2 2p^2 ({}^3P) 4p 4D_{5/2}$	7.1	1.98e+03
Fe XIX *	11.0611	$2s 2p^5 3P_1 - 2s 2p^4 ({}^4P) 4d 5D_1$	7.0	1.10e+03
Fe XXIII *	11.0666	$2s 2p 1P_1 - 2p 3p 1S_0$	7.2	1.71e+03
Ni XXIV *	11.0812	$2s 2p^2 2D_{3/2} - 2s^2 3p 2P_{1/2}$	7.2	4.07e+03
Fe XIX *	11.1021	$2s^2 2p^4 3P_2 - 2s^2 2p^3 ({}^4S) 4s 3S_1$	7.0	1.56e+03
Fe XXII *	11.1264	$2s^2 2p 2P_{3/2} - 2s 2p ({}^1P) 3p 2P_{3/2}$	7.1	5.40e+03
Fe XVIII *	11.1288	$2s^2 2p^5 2P_{3/2} - 2s^2 2p^4 ({}^1S) 4d 2D_{5/2}$	6.9	3.00e+03
Fe XVII	11.1330	$2s^2 2p^6 1S_0 - 2s^2 2p^5 5d 1P_1$	6.9	6.33e+04
Ni XX	11.1380	$2s^2 2p^5 2P_{3/2} - 2s 2p^5 ({}^3P) 3p 2P_{1/2}$	7.1	1.14e+03
Ni XX	11.1380	$2s^2 2p^5 2P_{3/2} - 2s 2p^5 ({}^3P) 3p 4P_{5/2}$	7.1	1.77e+03
Fe XXII *	11.1381	$2s^2 2p 2P_{3/2} - 2s 2p ({}^1P) 3p 2D_{5/2}$	7.1	3.60e+03
Ni XX	11.1580	$2s^2 2p^5 2P_{3/2} - 2s 2p^5 ({}^3P) 3p 2P_{3/2}$	7.1	1.74e+03
Fe XX	11.1614	$2s 2p^4 2D_{3/2} - 2s^2 2p^2 ({}^3P) 4d 4P_{1/2}$	7.1	1.21e+04
Fe XXII *	11.1619	$2s^2 2p 2P_{3/2} - 2s 2p ({}^1P) 3p 2D_{3/2}$	7.1	3.42e+03
Fe XXIII	11.1662	$2s 2p 1P_1 - 2p 3p 1D_2$	7.2	3.53e+03
Fe XXII *	11.1698	$2s^2 2p 2P_{3/2} - 2s 2p ({}^1P) 3p 2P_{1/2}$	7.1	3.76e+03
Fe XXIV	11.1710	$1s^2 2p 2P_{3/2} - 1s^2 3d 2D_{5/2}$	7.2	5.33e+05
Fe XX *	11.1839	$2s 2p^4 2D_{5/2} - 2s^2 2p^2 ({}^3P) 4d 4F_{9/2}$	7.1	2.00e+03
Fe XXIV	11.1879	$1s^2 2p 2P_{3/2} - 1s^2 3d 2D_{3/2}$	7.2	5.84e+04
Na X	11.1920	$1s^2 1S_0 - 1s 2s 3S_1$	6.8	2.04e+03
Fe XXII *	11.2111	$2s 2p^2 4P_{1/2} - 2p^2 ({}^3P) 3p 4D_{3/2}$	7.1	2.63e+03
Fe XX *	11.2171	$2s 2p^4 2D_{3/2} - 2s^2 2p^2 ({}^3P) 4d 2P_{3/2}$	7.1	2.76e+03
Ni XX	11.2260	$2s^2 2p^5 2P_{3/2} - 2s 2p^5 ({}^3P) 3p 2D_{5/2}$	7.1	2.35e+03
Ni XX	11.2260	$2s^2 2p^5 2P_{3/2} - 2s 2p^5 ({}^3P) 3p 4D_{3/2}$	7.1	1.32e+03
Fe XX *	11.2267	$2s 2p^4 2D_{3/2} - 2s^2 2p^2 ({}^3P) 4f 4G_{7/2}$	7.1	4.59e+03
Ni XXI	11.2269	$2s^2 2p^4 3P_0 - 2s^2 2p^3 ({}^2P) 3d 3P_1$	7.1	1.47e+03
Ni XXI *	11.2305	$2s^2 2p^4 3P_2 - 2s^2 2p^3 ({}^2D) 3d 3S_1$	7.1	8.77e+03
Fe XX *	11.2399	$2s 2p^4 2D_{5/2} - 2s^2 2p^2 ({}^3P) 4d 2P_{3/2}$	7.1	1.12e+04
Ni XXI	11.2410	$2s^2 2p^4 3P_2 - 2s^2 2p^3 ({}^2D) 3d 1F_3$	7.1	3.75e+03
Ni XXI	11.2423	$2s^2 2p^4 3P_2 - 2s^2 2p^3 ({}^2P) 3d 3F_3$	7.1	1.42e+03
Fe XXIII	11.2443	$2s 2p 3P_1 - 2s 3d 1D_2$	7.2	4.45e+03
Fe XIX *	11.2457	$2s 2p^5 3P_2 - 2s 2p^4 ({}^4P) 4s 5P_2$	7.0	1.76e+03
Fe XXII	11.2484	$2s^2 2p 2P_{1/2} - 2s 2p ({}^3P) 3p 2S_{1/2}$	7.2	2.41e+03
Fe XVIII	11.2530	$2s^2 2p^5 2P_{1/2} - 2s^2 2p^4 ({}^1S) 4d 2D_{3/2}$	6.9	1.15e+03
Fe XVII	11.2530	$2s^2 2p^6 1S_0 - 2s^2 2p^5 5d 3D_1$	6.9	8.04e+04
Fe XXIV	11.2614	$1s^2 2p 2P_{1/2} - 1s^2 3s 2S_{1/2}$	7.2	1.23e+05
Fe XIX *	11.2661	$2s 2p^5 3P_1 - 2s 2p^4 ({}^4P) 4s 3P_0$	7.0	1.13e+03
Fe XX *	11.2714	$2s 2p^4 2D_{3/2} - 2s^2 2p^2 ({}^3P) 4p 4S_{3/2}$	7.1	4.13e+03
Ni XX	11.2820	$2s^2 2p^5 2P_{3/2} - 2s 2p^5 ({}^3P) 3p 4D_{5/2}$	7.1	1.33e+03
Fe XVII	11.2870	$2s^2 2p^6 1S_0 - 2s^2 2p^5 5s 3P_1$	6.9	2.58e+03
Fe XIX	11.2920	$2s 2p^5 3P_2 - 2s 2p^4 ({}^4P) 4s 3P_2$	7.0	9.88e+03
Fe XXIII	11.2991	$2s 2p 3P_0 - 2s 3d 3D_1$	7.2	2.33e+04



Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Ni XXI	11.3020	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3d {}^3P_2$	7.1	2.14e+04
Fe XX *	11.3074	$2s 2p^4 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4F_{3/2}$	7.1	2.63e+03
Fe XVIII	11.3093	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 4d {}^2D_{3/2}$	6.9	2.58e+03
Fe XVIII *	11.3106	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 4d {}^2S_{1/2}$	6.9	2.55e+04
Ni XXI *	11.3118	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3d {}^3D_2$	7.1	2.10e+03
Fe XX *	11.3173	$2s 2p^4 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 4p {}^2D_{3/2}$	7.1	1.61e+03
Ni XXI	11.3186	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3d {}^3D_3$	7.1	3.86e+04
Fe XVIII	11.3261	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 4d {}^2F_{5/2}$	6.9	4.00e+03
Fe XVIII	11.3261	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 4d {}^2D_{5/2}$	6.9	4.51e+04
Fe XVIII	11.3261	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 4d {}^2P_{3/2}$	6.9	3.91e+04
Fe XX *	11.3354	$2s 2p^4 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 4p {}^4D_{5/2}$	7.1	1.06e+03
Fe XXII	11.3360	$2s^2 2p {}^2P_{1/2} - 2s 2p ({}^3P) 3p {}^4P_{3/2}$	7.2	4.71e+03
Fe XXIII	11.3368	$2s 2p {}^3P_1 - 2s 3d {}^3D_2$	7.2	4.05e+04
Fe XXIII	11.3388	$2s 2p {}^3P_1 - 2s 3d {}^3D_1$	7.2	1.69e+04
Fe XX	11.3549	$2s 2p^4 {}^2S_{1/2} - 2s^2 2p^2 ({}^3P) 4d {}^4P_{1/2}$	7.1	5.38e+03
Fe XIX	11.3714	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^4P) 4s {}^3P_2$	7.0	2.09e+03
Fe XXII	11.3749	$2s^2 2p {}^2P_{1/2} - 2s 2p ({}^3P) 3p {}^2D_{3/2}$	7.2	6.67e+03
Fe XXI *	11.3782	$2s^2 2p^2 {}^3P_0 - 2s 2p^2 ({}^2P) 3p {}^3P_1$	7.1	1.11e+04
Ni XXI *	11.3820	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3d {}^3G_3$	7.1	1.36e+03
Ni XXI *	11.3861	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3d {}^3F_3$	7.1	5.66e+03
Fe XXII	11.4000	$2s^2 2p {}^2P_{3/2} - 2s 2p ({}^3P) 3p {}^2S_{1/2}$	7.2	1.19e+04
Ni XXI *	11.4042	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3d {}^3F_2$	7.1	2.16e+03
Fe XX	11.4161	$2s 2p^4 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4P_{1/2}$	7.1	1.31e+04
Fe XVIII *	11.4182	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 4d {}^4P_{5/2}$	6.9	1.20e+03
Fe XVIII	11.4200	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 4d {}^2D_{5/2}$	6.9	7.19e+04
Fe XVII	11.4200	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 5s {}^1P_1$	6.9	2.78e+03
Fe XX *	11.4216	$2s 2p^4 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4F_{9/2}$	7.1	1.54e+03
Fe XVIII *	11.4238	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 4d {}^2D_{3/2}$	6.9	5.91e+03
Fe XXII	11.4270	$2s^2 2p {}^2P_{1/2} - 2s 2p ({}^3P) 3p {}^4S_{3/2}$	7.2	1.15e+05
Fe XXIV	11.4271	$1s^2 2p {}^2P_{3/2} - 1s^2 3s {}^2S_{1/2}$	7.2	2.65e+05
Ni XXI *	11.4284	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3d {}^1P_1$	7.1	1.72e+03
Fe XVIII	11.4420	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 4d {}^2D_{3/2}$	6.9	1.10e+04
Fe XVIII	11.4420	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 4d {}^2P_{1/2}$	6.9	5.86e+03
Fe XXIII	11.4423	$2s 2p {}^3P_2 - 2s 3d {}^3D_3$	7.2	6.83e+04
Fe XVIII *	11.4425	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 4d {}^4F_{5/2}$	6.9	2.07e+03
Fe XVIII *	11.4462	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 4d {}^4F_{3/2}$	6.9	1.51e+03
Fe XVIII *	11.4464	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 4d {}^2S_{1/2}$	6.9	1.46e+03
Fe XXII *	11.4512	$2s^2 2p {}^2P_{1/2} - 2s 2p ({}^3P) 3p {}^4P_{1/2}$	7.1	3.84e+03
Fe XXIII	11.4571	$2s 2p {}^3P_2 - 2s 3d {}^3D_2$	7.2	1.30e+04
Fe XVIII	11.4592	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 4d {}^2P_{3/2}$	6.9	9.36e+03
Fe XXIII	11.4592	$2s 2p {}^3P_2 - 2s 3d {}^3D_1$	7.2	1.10e+03
Ni XXI	11.4683	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3d {}^3P_2$	7.1	3.49e+03
Fe XXI *	11.4735	$2s^2 2p^2 {}^3P_1 - 2s 2p^2 ({}^2P) 3p {}^3P_1$	7.1	7.16e+03
Ni XXI *	11.4789	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3d {}^3D_2$	7.1	3.95e+03
Fe XXI *	11.4799	$2s^2 2p^2 {}^3P_1 - 2s 2p^2 ({}^2P) 3p {}^3D_2$	7.1	3.22e+03
Fe XXIII	11.4852	$2p^2 {}^3P_0 - 2p 3d {}^3D_1$	7.2	7.36e+03
Fe XXII	11.4900	$2s^2 2p {}^2P_{3/2} - 2s 2p ({}^3P) 3p {}^4P_{3/2}$	7.2	1.60e+04
Fe XXII	11.4909	$2s^2 2p {}^2P_{1/2} - 2s 2p ({}^3P) 3p {}^2P_{1/2}$	7.2	6.50e+04
Fe XXII	11.5001	$2s^2 2p {}^2P_{1/2} - 2s 2p ({}^3P) 3p {}^2P_{3/2}$	7.1	3.92e+04

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXII *	11.5056	$2s^2 2p^2 P_{3/2} - 2s 2p ({}^3P) 3p^4 P_{5/2}$	7.1	2.16e+03
Fe XXI *	11.5079	$2s^2 2p^2 {}^3P_1 - 2s 2p^2 ({}^2P) 3p {}^3D_1$	7.1	1.49e+03
Ni XXI *	11.5101	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3d {}^3S_1$	7.1	3.43e+03
Ni XXI	11.5158	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3d {}^1F_3$	7.1	5.72e+03
Fe XVIII *	11.5226	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 4d {}^2P_{1/2}$	6.9	7.31e+03
Fe XVIII	11.5250	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 4d {}^2F_{5/2}$	6.9	6.78e+04
Fe XVIII	11.5250	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 4d {}^4P_{3/2}$	6.9	3.65e+04
Fe XXII	11.5300	$2s^2 2p^2 P_{3/2} - 2s 2p ({}^3P) 3p {}^2D_{3/2}$	7.2	2.04e+04
Fe XX *	11.5369	$2s 2p^4 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4p {}^4S_{3/2}$	7.1	1.05e+04
Ni XIX	11.5390	$2p^6 {}^1S_0 - 2s 2p^6 3p {}^1P_1$	7.0	1.34e+04
Ni XXI	11.5394	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3d {}^3D_3$	7.1	1.60e+04
Fe XXII	11.5442	$2s^2 2p^2 P_{1/2} - 2s 2p ({}^3P) 3p {}^4D_{3/2}$	7.1	1.37e+04
Fe XX	11.5448	$2s 2p^4 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 4d {}^4P_{1/2}$	7.1	2.05e+03
Fe XX *	11.5459	$2s 2p^4 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4p {}^4D_{7/2}$	7.1	2.62e+03
Ne IX	11.5467	$1s^2 {}^1S_0 - 1s 3p {}^1P_1$	6.8	1.77e+04
Ni XX *	11.5491	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1S) 3d {}^2D_{5/2}$	7.1	3.63e+03
Fe XVIII	11.5511	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 4d {}^2P_{3/2}$	6.9	5.23e+03
Ni XXI *	11.5550	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3d {}^3D_2$	7.1	3.33e+03
Fe XX *	11.5588	$2s 2p^4 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4P_{5/2}$	7.1	4.18e+03
Fe XVIII *	11.5622	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 4d {}^2D_{3/2}$	6.9	1.80e+03
Mn XXIII	11.5634	$1s^2 2s {}^2S_{1/2} - 1s^2 3p {}^2P_{3/2}$	7.2	3.51e+03
Fe XXI *	11.5655	$2s^2 2p^2 {}^3P_0 - 2s 2p^2 ({}^2D) 3p {}^3D_1$	7.1	1.95e+03
Fe XXIII *	11.5673	$2p^2 {}^1D_2 - 2p 3d {}^1P_1$	7.2	1.24e+03
Fe XVIII *	11.5715	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^1P) 4s {}^2P_{3/2}$	6.9	2.05e+03
Fe XX *	11.5746	$2s 2p^4 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4F_{3/2}$	7.1	2.76e+03
Fe XXIII	11.5797	$2p^2 {}^3P_1 - 2p 3d {}^3D_1$	7.2	1.54e+03
Fe XXI *	11.5800	$2s^2 2p^2 {}^3P_1 - 2s 2p^2 ({}^2D) 3p {}^3P_1$	7.1	1.18e+03
Fe XXII	11.5825	$2s^2 2p^2 P_{1/2} - 2s 2p ({}^3P) 3p {}^4D_{1/2}$	7.1	2.15e+04
Fe XXII	11.5836	$2s^2 2p^2 P_{3/2} - 2s 2p ({}^3P) 3p {}^4S_{3/2}$	7.2	1.25e+03
Fe XX *	11.5850	$2s 2p^4 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4p {}^2D_{3/2}$	7.1	2.15e+03
Fe XXIII	11.5945	$2p^2 {}^1D_2 - 2p 3d {}^1F_3$	7.2	2.94e+03
Ni XIX	11.5991	$2p^6 {}^1S_0 - 2s 2p^6 3p {}^3P_1$	7.0	2.20e+03
Mn XXIII	11.6036	$1s^2 2s {}^2S_{1/2} - 1s^2 3p {}^2P_{1/2}$	7.2	1.87e+03
Fe XX *	11.6039	$2s 2p^4 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4p {}^4D_{5/2}$	7.1	1.12e+03
Fe XXII *	11.6077	$2s^2 2p^2 P_{3/2} - 2s 2p ({}^3P) 3p {}^4P_{1/2}$	7.1	2.42e+03
Ni XXI *	11.6111	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3d {}^5D_4$	7.1	1.25e+03
Fe XXIII	11.6140	$2p^2 {}^3P_1 - 2p 3d {}^3D_2$	7.2	3.20e+03
Ni XXI *	11.6211	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3d {}^5D_3$	7.1	1.60e+03
Fe XVIII *	11.6214	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 4s {}^2D_{5/2}$	6.9	3.70e+03
Ni XXI *	11.6220	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3d {}^5D_2$	7.1	1.32e+03
Fe XXIII	11.6331	$2s 2p {}^3P_1 - 2s 3s {}^1S_0$	7.2	2.57e+03
Fe XXII	11.6400	$2s^2 2p^2 P_{3/2} - 2s 2p ({}^3P) 3p {}^4D_{5/2}$	7.1	9.38e+03
Fe XX *	11.6483	$2s 2p^4 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 4p {}^2D_{5/2}$	7.1	1.16e+03
Fe XVIII *	11.6491	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 4d {}^4D_{1/2}$	7.0	1.69e+03
Fe XXII	11.6492	$2s^2 2p^2 P_{3/2} - 2s 2p ({}^3P) 3p {}^2P_{1/2}$	7.2	6.05e+03
Fe XVIII *	11.6586	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 4d {}^4D_{3/2}$	7.0	1.48e+03
Fe XXII	11.6587	$2s^2 2p^2 P_{3/2} - 2s 2p ({}^3P) 3p {}^2P_{3/2}$	7.1	1.60e+04
Fe XVIII	11.6629	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 4d {}^4P_{3/2}$	6.9	2.92e+03
Fe XXI *	11.6640	$2s^2 2p^2 {}^3P_1 - 2s 2p^2 ({}^2D) 3p {}^3D_1$	7.1	2.13e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXIII	11.6753	$2s\ 2p\ ^3P_0 - 2s\ 3s\ ^3S_1$	7.2	4.52e+03
Fe XXIII	11.6920	$2p^2\ ^3P_2 - 2p\ 3d\ ^3F_3$	7.2	2.29e+03
Fe XVIII *	11.6999	$2s\ 2p^6\ ^2S_{1/2} - 2s\ 2p^5\ (^3P)\ 4d\ ^2P_{1/2}$	6.9	1.81e+03
Fe XXII	11.7040	$2s^2\ 2p\ ^2P_{3/2} - 2s\ 2p\ (^3P)\ 3p\ ^4D_{3/2}$	7.1	1.39e+04
Fe XX *	11.7070	$2s^2\ 2p^3\ ^4S_{3/2} - 2s\ 2p^3\ (^3S)\ 3p\ ^2P_{3/2}$	7.1	1.37e+03
Fe XXI *	11.7147	$2s^2\ 2p^2\ ^1S_0 - 2s\ 2p^2\ (^2S)\ 3p\ ^3P_1$	7.1	1.59e+03
Fe XXIII	11.7178	$2s\ 2p\ ^3P_1 - 2s\ 3s\ ^3S_1$	7.2	1.35e+04
Fe XVIII *	11.7193	$2s\ 2p^6\ ^2S_{1/2} - 2s\ 2p^5\ (^3P)\ 4d\ ^2D_{3/2}$	6.9	3.08e+03
Fe XXI *	11.7244	$2s^2\ 2p^2\ ^3P_2 - 2s\ 2p^2\ (^2D)\ 3p\ ^3D_1$	7.1	3.68e+03
Ni XXI *	11.7293	$2s^2\ 2p^4\ ^3P_1 - 2s^2\ 2p^3\ (^4S)\ 3d\ ^3D_2$	7.1	1.26e+03
Fe XXII	11.7342	$2s\ 2p^2\ ^2D_{3/2} - 2s\ 2p\ (^1P)\ 3d\ ^2D_{3/2}$	7.1	2.66e+03
Fe XVIII *	11.7350	$2s\ 2p^6\ ^2S_{1/2} - 2s^2\ 2p^4\ (^1D)\ 5p\ ^2D_{3/2}$	6.9	1.20e+04
Fe XXIII	11.7370	$2s\ 2p\ ^1P_1 - 2s\ 3d\ ^1D_2$	7.2	6.99e+05
Fe XX *	11.7371	$2s\ 2p^4\ ^2P_{3/2} - 2s^2\ 2p^2\ (^3P)\ 4s\ ^4P_{3/2}$	7.1	3.72e+03
Fe XXIII *	11.7382	$2p^2\ ^3P_2 - 2p\ 3d\ ^3F_2$	7.2	2.10e+03
Fe XX	11.7390	$2s^2\ 2p^3\ ^4S_{3/2} - 2s\ 2p^3\ (^3S)\ 3p\ ^4P_{5/2}$	7.1	1.41e+04
Fe XXI *	11.7412	$2s^2\ 2p^2\ ^1D_2 - 2s\ 2p^2\ (^2P)\ 3p\ ^3D_1$	7.1	2.44e+03
Fe XXII	11.7434	$2s^2\ 2p\ ^2P_{3/2} - 2s\ 2p\ (^3P)\ 3p\ ^4D_{1/2}$	7.1	3.02e+03
Fe XXII	11.7469	$2s\ 2p^2\ ^4P_{1/2} - 2s\ 2p\ (^3P)\ 3d\ ^2D_{3/2}$	7.1	1.21e+04
Fe XXII	11.7480	$2s\ 2p^2\ ^2D_{3/2} - 2s\ 2p\ (^1P)\ 3d\ ^2F_{5/2}$	7.1	1.38e+04
Fe XXII	11.7487	$2s\ 2p^2\ ^4P_{3/2} - 2s\ 2p\ (^3P)\ 3d\ ^4D_{5/2}$	7.1	3.55e+03
Fe XXI *	11.7557	$2s^2\ 2p^2\ ^1S_0 - 2s\ 2p^2\ (^2S)\ 3p\ ^1P_1$	7.1	1.22e+03
Fe XX *	11.7593	$2s^2\ 2p^3\ ^4S_{3/2} - 2s\ 2p^3\ (^3S)\ 3p\ ^2P_{1/2}$	7.1	1.09e+03
Fe XX *	11.7623	$2s^2\ 2p^3\ ^4S_{3/2} - 2s\ 2p^3\ (^3S)\ 3p\ ^4P_{3/2}$	7.1	4.34e+03
Fe XVIII *	11.7631	$2s^2\ 2p^5\ ^2P_{1/2} - 2s^2\ 2p^4\ (^1D)\ 4s\ ^2D_{3/2}$	6.9	1.60e+03
Fe XX *	11.7633	$2s\ 2p^4\ ^2S_{1/2} - 2s^2\ 2p^2\ (^3P)\ 4s\ ^4P_{1/2}$	7.1	2.68e+03
Fe XXII	11.7695	$2s^2\ 2p\ ^2P_{1/2} - 2s^2\ 3d\ ^2D_{3/2}$	7.1	5.81e+05
Fe XXII *	11.7776	$2s\ 2p^2\ ^4P_{1/2} - 2s\ 2p\ (^1P)\ 3s\ ^2P_{3/2}$	7.1	1.20e+03
Fe XXII *	11.7793	$2s\ 2p^2\ ^4P_{1/2} - 2s\ 2p\ (^1P)\ 3s\ ^2P_{1/2}$	7.1	3.15e+03
Fe XXII	11.7796	$2s\ 2p^2\ ^2D_{5/2} - 2s\ 2p\ (^1P)\ 3d\ ^2F_{5/2}$	7.1	1.08e+03
Fe XXII	11.7845	$2s\ 2p^2\ ^4P_{5/2} - 2s\ 2p\ (^3P)\ 3d\ ^2F_{5/2}$	7.1	1.80e+03
Ni XX	11.7873	$2s^2\ 2p^5\ ^2P_{3/2} - 2s^2\ 2p^4\ (^1D)\ 3d\ ^2D_{3/2}$	7.1	1.67e+03
Fe XXII	11.7890	$2s\ 2p^2\ ^2D_{5/2} - 2s\ 2p\ (^1P)\ 3d\ ^2F_{7/2}$	7.1	6.17e+03
Fe XXII	11.7890	$2s\ 2p^2\ ^4P_{1/2} - 2s\ 2p\ (^3P)\ 3d\ ^4D_{1/2}$	7.1	1.55e+04
Fe XXII	11.7970	$2s\ 2p^2\ ^4P_{1/2} - 2s\ 2p\ (^3P)\ 3d\ ^4D_{3/2}$	7.1	1.16e+04
Fe XXII	11.8031	$2s\ 2p^2\ ^4P_{3/2} - 2s\ 2p\ (^3P)\ 3d\ ^2D_{5/2}$	7.1	4.51e+04
Fe XXI *	11.8163	$2s^2\ 2p^2\ ^1D_2 - 2s\ 2p^2\ (^2D)\ 3p\ ^3P_1$	7.1	1.67e+03
Fe XXI *	11.8170	$2s^2\ 2p^2\ ^3P_0 - 2s\ 2p^2\ (^4P)\ 3p\ ^3P_1$	7.1	1.42e+03
Fe XXII	11.8224	$2s\ 2p^2\ ^4P_{5/2} - 2s\ 2p\ (^3P)\ 3d\ ^4D_{5/2}$	7.1	1.51e+04
Fe XXII	11.8242	$2s\ 2p^2\ ^4P_{3/2} - 2s\ 2p\ (^3P)\ 3d\ ^2D_{3/2}$	7.1	4.90e+03
Ni XX	11.8320	$2s^2\ 2p^5\ ^2P_{3/2} - 2s^2\ 2p^4\ (^1D)\ 3d\ ^2D_{5/2}$	7.1	5.82e+04
Fe XXII *	11.8411	$2s\ 2p^2\ ^4P_{5/2} - 2s\ 2p\ (^3P)\ 3d\ ^4D_{7/2}$	7.1	2.04e+03
Ni XX	11.8414	$2s^2\ 2p^5\ ^2P_{3/2} - 2s^2\ 2p^4\ (^1D)\ 3d\ ^2P_{3/2}$	7.1	3.33e+04
Fe XXI *	11.8443	$2s^2\ 2p^2\ ^1D_2 - 2s\ 2p^2\ (^2D)\ 3p\ ^1P_1$	7.1	1.66e+03
Fe XXIII	11.8464	$2s\ 2p\ ^3P_2 - 2s\ 3s\ ^3S_1$	7.2	2.33e+04
Fe XVIII *	11.8465	$2s^2\ 2p^5\ ^2P_{3/2} - 2s^2\ 2p^4\ (^3P)\ 4s\ ^2P_{3/2}$	6.9	6.93e+03
Fe XXII *	11.8481	$2s\ 2p^2\ ^2P_{1/2} - 2s\ 2p\ (^1P)\ 3d\ ^2P_{1/2}$	7.1	1.25e+03
Fe XX *	11.8535	$2s\ 2p^4\ ^2P_{1/2} - 2s^2\ 2p^2\ (^3P)\ 4p\ ^4D_{1/2}$	7.1	2.33e+03
Ni XX	11.8650	$2s^2\ 2p^5\ ^2P_{3/2} - 2s^2\ 2p^4\ (^1D)\ 3d\ ^2F_{5/2}$	7.1	4.41e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXIII *	11.8721	$2p^2\ ^1S_0 - 2p\ 3d\ ^1P_1$	7.2	2.34e+04
Fe XVIII *	11.8723	$2s^2\ 2p^5\ ^2P_{1/2} - 2s^2\ 2p^4\ (^3P)\ 4s\ ^2P_{1/2}$	6.9	1.51e+03
Fe XXIII *	11.8724	$2p^2\ ^3P_0 - 2p\ 3s\ ^3P_1$	7.2	3.36e+03
Ni XX	11.8740	$2s^2\ 2p^5\ ^2P_{3/2} - 2s^2\ 2p^4\ (^1D)\ 3d\ ^2S_{1/2}$	7.1	1.34e+04
Fe XXII	11.8750	$2s\ 2p^2\ ^4P_{3/2} - 2s\ 2p\ (^3P)\ 3d\ ^4D_{3/2}$	7.1	3.59e+03
Fe XXII	11.8775	$2s\ 2p^2\ ^4P_{5/2} - 2s\ 2p\ (^3P)\ 3d\ ^2D_{5/2}$	7.1	2.42e+03
Fe XXII	11.8810	$2s\ 2p^2\ ^4P_{3/2} - 2s\ 2p\ (^3P)\ 3d\ ^4P_{5/2}$	7.1	3.62e+04
Fe XXI *	11.8826	$2s^2\ 2p^2\ ^1S_0 - 2s\ 2p^2\ (^2P)\ 3p\ ^3P_1$	7.1	5.65e+03
Fe XXII	11.8977	$2s\ 2p^2\ ^4P_{1/2} - 2s\ 2p\ (^3P)\ 3d\ ^4F_{3/2}$	7.1	6.96e+03
Fe XXII	11.8977	$2s\ 2p^2\ ^2P_{1/2} - 2s\ 2p\ (^1P)\ 3d\ ^2D_{3/2}$	7.1	6.47e+03
Fe XXI *	11.9038	$2s^2\ 2p^2\ ^1D_2 - 2s\ 2p^2\ (^2D)\ 3p\ ^3D_1$	7.1	4.37e+03
Fe XXI *	11.9194	$2s^2\ 2p^2\ ^1S_0 - 2s\ 2p^2\ (^2P)\ 3p\ ^3D_1$	7.1	1.27e+03
Fe XXI *	11.9199	$2s^2\ 2p^2\ ^3P_1 - 2s\ 2p^2\ (^4P)\ 3p\ ^3P_1$	7.1	2.18e+03
Fe XXII	11.9210	$2s^2\ 2p\ ^2P_{3/2} - 2s^2\ 3d\ ^2D_{5/2}$	7.1	7.33e+04
Fe XX	11.9332	$2s^2\ 2p^3\ ^2D_{3/2} - 2s\ 2p^3\ (^3S)\ 3p\ ^4P_{5/2}$	7.1	1.65e+03
Fe XXII	11.9356	$2s^2\ 2p\ ^2P_{3/2} - 2s^2\ 3d\ ^2D_{3/2}$	7.1	1.10e+05
Fe XXI	11.9378	$2s^2\ 2p^2\ ^3P_0 - 2s\ 2p^2\ (^4P)\ 3p\ ^3D_1$	7.1	2.34e+04
Fe XXII	11.9508	$2s\ 2p^2\ ^4P_{3/2} - 2s\ 2p\ (^3P)\ 3d\ ^4F_{5/2}$	7.1	1.69e+04
Fe XXII	11.9564	$2s\ 2p^2\ ^4P_{5/2} - 2s\ 2p\ (^3P)\ 3d\ ^4P_{5/2}$	7.1	3.01e+03
Ni XX	11.9610	$2s^2\ 2p^5\ ^2P_{3/2} - 2s^2\ 2p^4\ (^3P)\ 3d\ ^2D_{5/2}$	7.1	2.21e+04
Fe XX *	11.9644	$2s^2\ 2p^3\ ^2D_{5/2} - 2s\ 2p^3\ (^3S)\ 3p\ ^2P_{3/2}$	7.1	1.61e+03
Fe XXIII *	11.9708	$2p^2\ ^3P_1 - 2p\ 3s\ ^3P_1$	7.2	1.85e+03
Fe XXI	11.9750	$2s^2\ 2p^2\ ^3P_0 - 2s\ 2p^2\ (^4P)\ 3p\ ^5P_1$	7.1	8.67e+04
Fe XXII	11.9770	$2s\ 2p^2\ ^4P_{5/2} - 2s\ 2p\ (^3P)\ 3d\ ^4F_{7/2}$	7.1	1.95e+04
Fe XXII	11.9770	$2s\ 2p^2\ ^4P_{3/2} - 2s\ 2p\ (^3P)\ 3d\ ^4F_{3/2}$	7.1	6.99e+03
Ni XX	11.9781	$2s^2\ 2p^5\ ^2P_{1/2} - 2s^2\ 2p^4\ (^1D)\ 3d\ ^2P_{1/2}$	7.1	3.81e+03
Fe XVIII *	11.9803	$2s\ 2p^6\ ^2S_{1/2} - 2s\ 2p^5\ (^3P)\ 4s\ ^4P_{3/2}$	6.9	1.75e+03
Fe XXI *	11.9829	$2s^2\ 2p^2\ ^3P_2 - 2s\ 2p^2\ (^4P)\ 3p\ ^3P_1$	7.1	1.13e+04
Ni XX	11.9908	$2s^2\ 2p^5\ ^2P_{1/2} - 2s^2\ 2p^4\ (^1D)\ 3d\ ^2D_{3/2}$	7.1	6.36e+03
Ni XX	11.9910	$2s^2\ 2p^5\ ^2P_{3/2} - 2s^2\ 2p^4\ (^3P)\ 3d\ ^4P_{5/2}$	7.1	4.12e+03
Fe XXII *	11.9963	$2s\ 2p^2\ ^2S_{1/2} - 2p^2\ (^3P)\ 3p\ ^4D_{3/2}$	7.1	2.35e+03
Fe XXIII *	11.9966	$2p^2\ ^3P_1 - 2p\ 3s\ ^3P_0$	7.2	2.09e+03
Ni XX	12.0060	$2s^2\ 2p^5\ ^2P_{3/2} - 2s^2\ 2p^4\ (^3P)\ 3d\ ^2D_{3/2}$	7.1	1.69e+03
Fe XXII *	12.0167	$2s\ 2p^2\ ^2P_{3/2} - 2p^2\ (^3P)\ 3p\ ^4D_{3/2}$	7.1	1.30e+03
Fe XXII *	12.0221	$2s\ 2p^2\ ^2S_{1/2} - 2s\ 2p\ (^1P)\ 3d\ ^2P_{3/2}$	7.1	2.12e+03
Fe XX *	12.0222	$2s^2\ 2p^3\ ^2D_{5/2} - 2s\ 2p^3\ (^3S)\ 3p\ ^4P_{3/2}$	7.1	1.21e+03
Mn XXIII	12.0246	$1s^2\ 2p\ ^2P_{1/2} - 1s^2\ 3d\ ^2D_{3/2}$	7.2	2.46e+03
Fe XXII	12.0270	$2s\ 2p^2\ ^4P_{5/2} - 2s\ 2p\ (^3P)\ 3d\ ^4F_{5/2}$	7.1	4.55e+03
Fe XXIII	12.0271	$2p^2\ ^1D_2 - 2p\ 3s\ ^1P_1$	7.2	1.11e+04
Ni XX *	12.0298	$2s^2\ 2p^5\ ^2P_{3/2} - 2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{3/2}$	7.1	3.39e+03
Fe XXIII *	12.0407	$2p^2\ ^3P_2 - 2p\ 3s\ ^3P_1$	7.2	4.75e+03
Fe XXII *	12.0426	$2s\ 2p^2\ ^2P_{3/2} - 2s\ 2p\ (^1P)\ 3d\ ^2P_{3/2}$	7.1	3.06e+03
Fe XXI	12.0440	$2s^2\ 2p^2\ ^3P_1 - 2s\ 2p^2\ (^4P)\ 3p\ ^3D_1$	7.1	4.26e+04
Ni XX	12.0468	$2s^2\ 2p^5\ ^2P_{1/2} - 2s^2\ 2p^4\ (^1D)\ 3d\ ^2P_{3/2}$	7.1	4.98e+03
Fe XXII	12.0530	$2s\ 2p^2\ ^2D_{5/2} - 2s\ 2p\ (^3P)\ 3d\ ^2F_{7/2}$	7.1	1.46e+03
Fe XVIII *	12.0544	$2s\ 2p^6\ ^2S_{1/2} - 2s\ 2p^5\ (^3P)\ 4s\ ^2P_{3/2}$	6.9	7.74e+03
Fe XX *	12.0673	$2s^2\ 2p^3\ ^4S_{3/2} - 2s\ 2p^3\ (^3D)\ 3p\ ^4P_{5/2}$	7.1	1.40e+03
Fe XXII *	12.0766	$2s\ 2p^2\ ^2D_{5/2} - 2s\ 2p\ (^3P)\ 3d\ ^2P_{3/2}$	7.1	2.50e+03
Fe XXII	12.0770	$2s\ 2p^2\ ^2S_{1/2} - 2s\ 2p\ (^1P)\ 3d\ ^2D_{3/2}$	7.1	7.64e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXII *	12.0787	$2s 2p^2 {}^2P_{3/2} - 2s 2p ({}^1P) 3d {}^2D_{5/2}$	7.1	1.67e+04
Ni XX	12.0790	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3d {}^4F_{5/2}$	7.1	3.25e+03
Ni XX	12.0805	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 3d {}^2S_{1/2}$	7.1	1.93e+03
Fe XXI *	12.0908	$2s^2 2p^2 {}^3P_1 - 2s 2p^2 ({}^4P) 3p {}^5P_2$	7.1	3.58e+03
Fe XXII	12.0974	$2s 2p^2 {}^2P_{3/2} - 2s 2p ({}^1P) 3d {}^2D_{3/2}$	7.1	2.41e+03
Fe XXII	12.1028	$2s 2p^2 {}^2D_{3/2} - 2s 2p ({}^3P) 3d {}^2F_{5/2}$	7.1	3.27e+04
Fe XXI *	12.1031	$2s^2 2p^2 {}^3P_0 - 2s 2p^2 ({}^4P) 3p {}^5D_1$	7.1	6.61e+03
Fe XXI	12.1075	$2s^2 2p^2 {}^3P_2 - 2s 2p^2 ({}^4P) 3p {}^3D_1$	7.1	1.93e+03
Ne IX d	12.1113	$1s 3d {}^1D_2 - 2p 3d {}^1F_3$	6.9	1.33e+03
Ni XX	12.1120	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3d {}^2F_{5/2}$	7.1	2.12e+04
Fe XVII	12.1230	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 4d {}^1P_1$	6.9	1.63e+05
Ni XX	12.1300	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3d {}^4P_{3/2}$	7.1	1.07e+04
Ne X	12.1321	$1s {}^2S_{1/2} - 2p {}^2P_{3/2}$	7.1	4.58e+05
Fe XXII	12.1362	$2s 2p^2 {}^2D_{5/2} - 2s 2p ({}^3P) 3d {}^2F_{5/2}$	7.1	3.30e+04
Ne X	12.1375	$1s {}^2S_{1/2} - 2p {}^2P_{1/2}$	7.1	2.29e+05
Fe XXI	12.1457	$2s^2 2p^2 {}^3P_2 - 2s 2p^2 ({}^4P) 3p {}^5P_1$	7.1	3.26e+03
Fe XXI *	12.1551	$2s^2 2p^2 {}^3P_1 - 2s 2p^2 ({}^4P) 3p {}^3S_1$	7.1	2.26e+03
Ni XX	12.1570	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3d {}^4P_{1/2}$	7.1	4.72e+03
Mn XXIII	12.1586	$1s^2 2p {}^2P_{3/2} - 1s^2 3d {}^2D_{5/2}$	7.2	4.74e+03
Fe XXI *	12.1589	$2s^2 2p^2 {}^3P_1 - 2s 2p^2 ({}^4P) 3p {}^5D_2$	7.1	3.81e+03
Fe XXIII	12.1612	$2s 2p {}^1P_1 - 2s 3s {}^1S_0$	7.2	3.61e+05
Fe XX *	12.1782	$2s^2 2p^3 {}^2P_{3/2} - 2s 2p^3 ({}^3S) 3p {}^4P_{1/2}$	7.1	1.50e+03
Ni XX	12.1810	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3d {}^2P_{3/2}$	7.1	1.57e+03
Fe XXI *	12.1859	$2s 2p^3 {}^3D_2 - 2s 2p^2 ({}^2P) 3d {}^3F_3$	7.1	4.91e+03
Fe XXII	12.2009	$2s 2p^2 {}^2D_{3/2} - 2s 2p ({}^3P) 3d {}^2D_{5/2}$	7.1	7.27e+04
Fe XXI	12.2040	$2s 2p^3 {}^3D_1 - 2s 2p^2 ({}^2P) 3d {}^3F_2$	7.1	2.84e+04
Ni XXI	12.2085	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3s {}^3D_3$	7.1	2.14e+03
Fe XXI *	12.2150	$2s^2 2p^2 {}^3P_1 - 2s 2p^2 ({}^4P) 3p {}^5D_0$	7.1	3.71e+03
Ni XX	12.2172	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3d {}^2D_{3/2}$	7.1	1.16e+03
Ni XX *	12.2202	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 3d {}^2P_{1/2}$	7.1	2.10e+03
Fe XXII *	12.2221	$2s 2p^2 {}^2P_{1/2} - 2s 2p ({}^3P) 3d {}^2P_{3/2}$	7.1	1.73e+04
Fe XXII	12.2234	$2s 2p^2 {}^2D_{3/2} - 2s 2p ({}^3P) 3d {}^2D_{3/2}$	7.1	3.60e+04
Fe XIX *	12.2287	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^2P) 3p {}^3D_3$	7.0	1.07e+04
Fe XXII	12.2349	$2s 2p^2 {}^2D_{5/2} - 2s 2p ({}^3P) 3d {}^2D_{5/2}$	7.1	1.19e+04
Fe XXII	12.2350	$2s^2 2p {}^2P_{3/2} - 2s^2 3p {}^2P_{1/2}$	7.1	1.92e+03
Fe XXI *	12.2399	$2s^2 2p^2 {}^3P_1 - 2s^2 2p 3d {}^3P_0$	7.1	1.14e+03
Fe XXI *	12.2421	$2s^2 2p^2 {}^3P_1 - 2s^2 2p 3d {}^3P_1$	7.1	4.56e+03
Fe XXII	12.2576	$2s 2p^2 {}^2D_{5/2} - 2s 2p ({}^3P) 3d {}^2D_{3/2}$	7.1	5.43e+03
Ni XX *	12.2603	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 3d {}^2D_{3/2}$	7.1	1.92e+03
Fe XVII	12.2640	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 4d {}^3D_1$	6.9	1.47e+05
Fe XIX *	12.2648	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^2P) 3p {}^3P_2$	7.0	1.84e+03
Fe XXII *	12.2673	$2s 2p^2 {}^2D_{3/2} - 2s 2p ({}^1P) 3s {}^2P_{3/2}$	7.1	2.47e+03
Fe XX *	12.2688	$2s^2 2p^3 {}^2D_{3/2} - 2s 2p^3 ({}^3D) 3p {}^2D_{3/2}$	7.1	1.73e+03
Fe XXII *	12.2690	$2s 2p^2 {}^2D_{3/2} - 2s 2p ({}^1P) 3s {}^2P_{1/2}$	7.1	5.09e+03
Fe XXI *	12.2771	$2s 2p^3 {}^5S_2 - 2s 2p^2 ({}^4P) 3d {}^5P_2$	7.1	1.36e+03
Fe XXI *	12.2772	$2s^2 2p^2 {}^3P_2 - 2s 2p^2 ({}^4P) 3p {}^5D_1$	7.1	1.22e+04
Mn XXIII	12.2801	$1s^2 2p {}^2P_{1/2} - 1s^2 3s {}^2S_{1/2}$	7.2	1.08e+03
Fe XXI	12.2823	$2s^2 2p^2 {}^3P_0 - 2s^2 2p 3d {}^3D_1$	7.1	1.03e+06
Fe XXII	12.2842	$2s 2p^2 {}^2D_{3/2} - 2s 2p ({}^3P) 3d {}^4P_{5/2}$	7.1	1.29e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXI *	12.2982	$2s^2 2p^2 {}^3P_1 - 2s^2 2p 3d {}^1D_2$	7.1	3.57e+03
Fe XXII *	12.3006	$2s 2p^2 {}^2D_{5/2} - 2s 2p ({}^1P) 3s {}^2P_{3/2}$	7.1	1.78e+03
Fe XXI *	12.3086	$2s^2 2p^2 {}^3P_2 - 2s^2 2p 3d {}^3P_1$	7.1	1.79e+03
Fe XX *	12.3098	$2s^2 2p^3 {}^2P_{1/2} - 2s 2p^3 ({}^3P) 3p {}^2D_{3/2}$	7.1	2.31e+03
Fe XXI	12.3177	$2s 2p^3 {}^5S_2 - 2s 2p^2 ({}^4P) 3d {}^3F_2$	7.1	1.89e+03
Fe XXII	12.3187	$2s 2p^2 {}^2D_{5/2} - 2s 2p ({}^3P) 3d {}^4P_{5/2}$	7.1	3.02e+03
Fe XVII	12.3220	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 4d {}^3P_1$	6.9	1.29e+03
Fe XXII	12.3225	$2s 2p^2 {}^4P_{3/2} - 2s 2p ({}^3P) 3s {}^2P_{1/2}$	7.1	3.20e+03
Fe XX *	12.3232	$2s^2 2p^3 {}^2P_{1/2} - 2s 2p^3 ({}^3P) 3p {}^4P_{3/2}$	7.1	1.56e+03
Fe XXII	12.3250	$2s^2 2p {}^2P_{1/2} - 2s^2 3s {}^2S_{1/2}$	7.1	1.75e+04
Fe XXI	12.3270	$2s^2 2p^2 {}^3P_2 - 2s^2 2p 3d {}^3D_3$	7.1	6.62e+03
Fe XXI	12.3270	$2s^2 2p^2 {}^3P_2 - 2s^2 2p 3d {}^3P_2$	7.1	1.75e+03
Fe XX *	12.3320	$2s^2 2p^3 {}^2D_{5/2} - 2s 2p^3 ({}^3D) 3p {}^2D_{3/2}$	7.1	1.30e+03
Fe XX *	12.3338	$2s^2 2p^3 {}^2P_{1/2} - 2s 2p^3 ({}^3P) 3p {}^4P_{1/2}$	7.1	1.43e+03
Fe XX *	12.3410	$2s^2 2p^3 {}^2D_{5/2} - 2s 2p^3 ({}^3D) 3p {}^4P_{5/2}$	7.1	1.99e+03
Fe XX *	12.3470	$2p^5 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4f {}^4G_{11/2}$	7.1	1.10e+03
Fe XXII *	12.3475	$2s 2p^2 {}^4P_{1/2} - 2s 2p ({}^3P) 3s {}^4P_{3/2}$	7.1	6.77e+03
Fe XXIII	12.3515	$2p^2 {}^1S_0 - 2p 3s {}^1P_1$	7.2	4.56e+03
Fe XXII *	12.3561	$2p^3 {}^2P_{1/2} - 2p^2 ({}^3P) 3d {}^2D_{3/2}$	7.1	6.98e+03
Fe XXI	12.3628	$2s 2p^3 {}^5S_2 - 2s 2p^2 ({}^4P) 3d {}^3P_2$	7.1	2.65e+03
Fe XIX *	12.3668	$2s^2 2p^4 {}^3P_1 - 2s 2p^4 ({}^2P) 3p {}^1D_2$	7.0	1.91e+03
Fe XXIII	12.3689	$2p^2 {}^3P_1 - 2s 3p {}^3P_2$	7.2	1.06e+04
Fe XX *	12.3701	$2s^2 2p^3 {}^2D_{3/2} - 2s 2p^3 ({}^3D) 3p {}^2F_{5/2}$	7.1	2.91e+03
Fe XX *	12.3703	$2s^2 2p^3 {}^2P_{3/2} - 2s 2p^3 ({}^3P) 3p {}^2D_{5/2}$	7.1	2.06e+03
Ne IX d	12.3746	$1s 2p {}^1P_1 - 2p 2p {}^1D_2$	6.9	2.85e+03
Fe XXI *	12.3766	$2s 2p^3 {}^3D_1 - 2s 2p^2 ({}^2D) 3d {}^3F_2$	7.1	9.40e+03
Fe XXI *	12.3770	$2s 2p^3 {}^3D_2 - 2s 2p^2 ({}^2D) 3d {}^3F_2$	7.1	1.96e+03
Fe XXI	12.3800	$2s 2p^3 {}^5S_2 - 2s 2p^2 ({}^4P) 3d {}^5D_3$	7.1	6.09e+03
Fe XXI	12.3816	$2s 2p^3 {}^3P_1 - 2s 2p^2 ({}^2S) 3d {}^3D_2$	7.1	4.96e+03
Fe XXII	12.3868	$2s 2p^2 {}^2D_{3/2} - 2s 2p ({}^3P) 3d {}^4F_{3/2}$	7.1	5.20e+03
Fe XXII *	12.3872	$2s 2p^2 {}^4P_{5/2} - 2s 2p ({}^3P) 3s {}^4P_{5/2}$	7.1	1.13e+03
Fe XXII *	12.3939	$2s 2p^2 {}^4P_{1/2} - 2s 2p ({}^3P) 3s {}^4P_{1/2}$	7.1	2.76e+03
Fe XXI	12.3948	$2s^2 2p^2 {}^3P_1 - 2s^2 2p 3d {}^3D_1$	7.1	1.77e+05
Fe XXI *	12.3967	$2s 2p^3 {}^5S_2 - 2s 2p^2 ({}^4P) 3d {}^5D_2$	7.1	7.83e+03
Fe XXII	12.4010	$2s 2p^2 {}^2P_{1/2} - 2s 2p ({}^3P) 3d {}^2D_{3/2}$	7.1	3.01e+04
Fe XX *	12.4024	$2p^5 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^2D_{3/2}$	7.1	1.71e+03
Fe XXIII *	12.4030	$2p^2 {}^3P_1 - 2s 3p {}^3P_0$	7.2	7.32e+03
Ni XX *	12.4051	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 3p {}^2F_{7/2}$	7.1	1.72e+03
Fe XXI	12.4084	$2s 2p^3 {}^3P_2 - 2s 2p^2 ({}^2S) 3d {}^3D_2$	7.1	6.55e+03
Fe XX *	12.4085	$2p^5 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4f {}^4D_{5/2}$	7.1	1.11e+03
Fe XXII *	12.4106	$2s 2p^2 {}^2S_{1/2} - 2s 2p ({}^3P) 3d {}^2P_{3/2}$	7.1	1.10e+04
Fe XXI *	12.4136	$2s^2 2p^2 {}^1D_2 - 2s^2 2p 3d {}^1F_3$	7.1	6.39e+03
Fe XXI *	12.4157	$2s^2 2p^2 {}^1D_2 - 2s 2p^2 ({}^4P) 3p {}^3S_1$	7.1	1.54e+03
Fe XX *	12.4178	$2p^5 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4f {}^4D_{7/2}$	7.1	2.40e+03
Fe XXI *	12.4197	$2s^2 2p^2 {}^1D_2 - 2s 2p^2 ({}^4P) 3p {}^5D_2$	7.1	3.35e+03
Fe XX *	12.4202	$2p^5 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4f {}^4G_{5/2}$	7.1	2.19e+03
Fe XXI	12.4220	$2s^2 2p^2 {}^3P_1 - 2s^2 2p 3d {}^3D_2$	7.1	4.62e+04
Fe XX	12.4263	$2p^5 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4P_{3/2}$	7.1	4.41e+04
Fe XX	12.4263	$2p^5 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4d {}^4D_{5/2}$	7.1	3.87e+04

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Ni XX *	12.4268	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3d {}^4D_{3/2}$	7.1	2.05e+03
Fe XXI	12.4289	$2s 2p^3 {}^3P_1 - 2s 2p^2 ({}^2P) 3d {}^3F_2$	7.1	1.42e+03
Fe XXII *	12.4319	$2s 2p^2 {}^4P_{3/2} - 2s 2p ({}^3P) 3s {}^4P_{3/2}$	7.1	1.75e+03
Fe XXII *	12.4324	$2s 2p^2 {}^2P_{3/2} - 2s 2p ({}^3P) 3d {}^2P_{3/2}$	7.1	5.37e+03
Ni XIX	12.4351	$2p^6 {}^1S_0 - 2p^5 3d {}^1P_1$	7.0	1.50e+05
Fe XXIII	12.4374	$2p^2 {}^3P_2 - 2s 3p {}^3P_2$	7.2	1.41e+04
Fe XXI *	12.4378	$2s 2p^3 {}^3P_2 - 2s 2p^2 ({}^2P) 3d {}^3F_3$	7.1	2.71e+03
Fe XXIII	12.4443	$2p^2 {}^3P_2 - 2s 3p {}^1P_1$	7.2	2.46e+03
Mn XXIII	12.4461	$1s^2 2p {}^2P_{3/2} - 1s^2 3s {}^2S_{1/2}$	7.2	2.26e+03
Fe XXII *	12.4516	$2s 2p^2 {}^2P_{1/2} - 2s 2p ({}^1P) 3s {}^2P_{3/2}$	7.1	5.42e+03
Fe XXI	12.4559	$2s 2p^3 {}^3P_2 - 2s 2p^2 ({}^2P) 3d {}^3F_2$	7.1	3.02e+03
Fe XXI *	12.4574	$2s 2p^3 {}^3S_1 - 2s 2p^2 ({}^2P) 3d {}^3P_2$	7.1	1.16e+03
Fe XIX	12.4600	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 3d {}^3F_4$	7.0	1.43e+04
Fe XXI	12.4620	$2s^2 2p^2 {}^3P_2 - 2s^2 2p 3d {}^3D_1$	7.1	1.16e+04
Fe XXI	12.4620	$2s 2p^3 {}^5S_2 - 2s 2p^2 ({}^4P) 3d {}^5F_3$	7.1	2.04e+04
Fe XXI *	12.4683	$2s 2p^3 {}^3S_1 - 2s 2p^2 ({}^2P) 3d {}^3D_2$	7.1	3.69e+03
Fe XXI *	12.4740	$2s^2 2p^2 {}^1D_2 - 2s 2p^2 ({}^4P) 3p {}^5D_1$	7.1	2.24e+03
Fe XX *	12.4751	$2s 2p^4 {}^4P_{5/2} - 2s 2p^3 ({}^3S) 3d {}^4D_{7/2}$	7.1	1.33e+04
Fe XXII *	12.4789	$2s 2p^2 {}^4P_{3/2} - 2s 2p ({}^3P) 3s {}^4P_{1/2}$	7.1	1.26e+04
Fe XXI	12.4895	$2s^2 2p^2 {}^3P_2 - 2s^2 2p 3d {}^3D_2$	7.1	6.35e+03
Fe XIX *	12.4895	$2s^2 2p^4 {}^1D_2 - 2s 2p^4 ({}^2P) 3p {}^3D_3$	7.0	4.29e+03
Fe XXII	12.4896	$2s 2p^2 {}^2P_{3/2} - 2s 2p ({}^3P) 3d {}^2F_{5/2}$	7.1	4.70e+03
Fe XX	12.4931	$2s 2p^4 {}^4P_{5/2} - 2s 2p^3 ({}^3S) 3d {}^4D_{5/2}$	7.1	3.32e+03
Fe XXIII	12.4932	$2p^2 {}^3P_2 - 2s 3p {}^3P_1$	7.2	3.95e+03
Fe XXI	12.4990	$2s^2 2p^2 {}^3P_2 - 2s^2 2p 3d {}^3F_3$	7.1	5.50e+04
Fe XXI	12.4995	$2s^2 2p^2 {}^3P_1 - 2s^2 2p 3d {}^3F_2$	7.1	2.56e+03
Fe XXI	12.5011	$2s 2p^3 {}^5S_2 - 2s 2p^2 ({}^4P) 3d {}^5F_2$	7.1	1.54e+04
Fe XXII	12.5073	$2s^2 2p {}^2P_{3/2} - 2s^2 3s {}^2S_{1/2}$	7.1	3.65e+04
Fe XXI *	12.5127	$2s 2p^3 {}^5S_2 - 2s 2p^2 ({}^4P) 3d {}^5F_1$	7.1	3.03e+03
Fe XXII *	12.5147	$2s 2p^2 {}^4P_{5/2} - 2s 2p ({}^3P) 3s {}^4P_{3/2}$	7.1	7.23e+03
Fe XX *	12.5157	$2p^5 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 4f {}^4D_{3/2}$	7.1	2.26e+03
Fe XX *	12.5166	$2p^5 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 4f {}^4D_{1/2}$	7.1	1.70e+03
Fe XIX *	12.5194	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^2D) 3p {}^3D_2$	7.0	2.03e+03
Fe XVII	12.5260	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 4s {}^3P_1$	6.9	5.32e+03
Fe XIX *	12.5272	$2s^2 2p^4 {}^1D_2 - 2s 2p^4 ({}^2P) 3p {}^3P_2$	7.0	1.58e+03
Fe XXI	12.5329	$2s^2 2p^2 {}^1S_0 - 2s 2p^2 ({}^4P) 3p {}^5P_1$	7.1	1.11e+04
Fe XIX *	12.5447	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 3d {}^5F_4$	7.0	4.14e+03
Fe XXI *	12.5650	$2s^2 2p^2 {}^1D_2 - 2s^2 2p 3d {}^1D_2$	7.1	1.21e+03
Fe XX	12.5660	$2s^2 2p^3 {}^4S_{3/2} - 2s 2p^3 ({}^5S) 3p {}^4P_{1/2}$	7.1	1.84e+04
Fe XXI	12.5679	$2s^2 2p^2 {}^3P_2 - 2s^2 2p 3d {}^3F_2$	7.1	2.43e+04
Fe XX *	12.5749	$2p^5 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 4d {}^2D_{5/2}$	7.1	1.83e+03
Fe XX	12.5810	$2s^2 2p^3 {}^4S_{3/2} - 2s 2p^3 ({}^5S) 3p {}^4P_{5/2}$	7.1	5.41e+04
Fe XX	12.5810	$2s^2 2p^3 {}^4S_{3/2} - 2s 2p^3 ({}^5S) 3p {}^4P_{3/2}$	7.1	4.12e+04
Fe XXII	12.5941	$2s 2p^2 {}^2P_{3/2} - 2s 2p ({}^3P) 3d {}^2D_{5/2}$	7.1	5.95e+03
Fe XX	12.5948	$2p^5 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 4d {}^4P_{3/2}$	7.1	5.84e+03
Fe XXII	12.5959	$2s 2p^2 {}^2S_{1/2} - 2s 2p ({}^3P) 3d {}^2D_{3/2}$	7.1	2.18e+03
Fe XXI *	12.5991	$2s 2p^3 {}^3D_1 - 2s 2p^2 ({}^4P) 3d {}^3D_2$	7.1	9.47e+03
Fe XX	12.6000	$2s 2p^4 {}^4P_{3/2} - 2s 2p^3 ({}^3S) 3d {}^4D_{3/2}$	7.1	3.37e+03
Fe XX	12.6000	$2s 2p^4 {}^4P_{3/2} - 2s 2p^3 ({}^3S) 3d {}^4D_{5/2}$	7.1	1.73e+04

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXI *	12.6093	2s 2p <sup>3</sup> <sup>3</sup> P <sub>1</sub> - 2s 2p <sup>2</sup> ( <sup>2</sup> D) 3d <sup>3</sup> F <sub>2</sub>	7.1	1.98e+03
Fe XX *	12.6095	2s 2p <sup>4</sup> <sup>4</sup> P <sub>1/2</sub> - 2s 2p <sup>3</sup> ( <sup>3</sup> S) 3d <sup>4</sup> D <sub>1/2</sub>	7.1	4.75e+03
Fe XXI *	12.6151	2s <sup>2</sup> 2p <sup>2</sup> <sup>1</sup> S <sub>0</sub> - 2s 2p <sup>2</sup> ( <sup>4</sup> P) 3p <sup>3</sup> S <sub>1</sub>	7.1	1.66e+04
Fe XXII	12.6181	2s 2p <sup>2</sup> <sup>2</sup> P <sub>3/2</sub> - 2s 2p ( <sup>3</sup> P) 3d <sup>2</sup> D <sub>3/2</sub>	7.1	5.54e+03
Fe XXI	12.6230	2s <sup>2</sup> 2p <sup>2</sup> <sup>1</sup> S <sub>0</sub> - 2s <sup>2</sup> 2p 3d <sup>1</sup> P <sub>1</sub>	7.1	6.95e+03
Cr XXII	12.6231	1s <sup>2</sup> 2s <sup>2</sup> S <sub>1/2</sub> - 1s <sup>2</sup> 3p <sup>2</sup> P <sub>3/2</sub>	7.2	6.28e+03
Fe XX	12.6349	2s 2p <sup>4</sup> <sup>4</sup> P <sub>1/2</sub> - 2s 2p <sup>3</sup> ( <sup>3</sup> S) 3d <sup>4</sup> D <sub>3/2</sub>	7.1	4.30e+03
Ca XVIII	12.6360	1s <sup>2</sup> 2s <sup>2</sup> S <sub>1/2</sub> - 1s <sup>2</sup> 5p <sup>2</sup> P <sub>3/2</sub>	7.1	1.26e+03
Fe XXI *	12.6406	2s 2p <sup>3</sup> <sup>3</sup> D <sub>3</sub> - 2s 2p <sup>2</sup> ( <sup>4</sup> P) 3d <sup>3</sup> D <sub>2</sub>	7.1	5.79e+03
Fe XXIII	12.6458	2p <sup>2</sup> <sup>1</sup> D <sub>2</sub> - 2s 3p <sup>3</sup> P <sub>2</sub>	7.2	2.94e+03
Fe XXI	12.6490	2s 2p <sup>3</sup> <sup>3</sup> S <sub>1</sub> - 2s 2p <sup>2</sup> ( <sup>2</sup> S) 3d <sup>3</sup> D <sub>2</sub>	7.1	3.64e+04
Fe XXII *	12.6491	2s 2p <sup>2</sup> <sup>2</sup> S <sub>1/2</sub> - 2s 2p ( <sup>1</sup> P) 3s <sup>2</sup> P <sub>1/2</sub>	7.1	6.99e+03
Fe XXIII	12.6530	2p <sup>2</sup> <sup>1</sup> D <sub>2</sub> - 2s 3p <sup>1</sup> P <sub>1</sub>	7.2	9.03e+03
Ni XIX	12.6560	2p <sup>6</sup> <sup>1</sup> S <sub>0</sub> - 2p <sup>5</sup> 3d <sup>3</sup> D <sub>1</sub>	7.0	5.35e+04
Fe XXII *	12.6609	2s 2p <sup>2</sup> <sup>2</sup> D <sub>5/2</sub> - 2s 2p ( <sup>3</sup> P) 3s <sup>2</sup> P <sub>3/2</sub>	7.1	1.92e+03
Fe XXII *	12.6617	2p <sup>3</sup> <sup>4</sup> S <sub>3/2</sub> - 2s 2p ( <sup>1</sup> P) 3p <sup>2</sup> S <sub>1/2</sub>	7.1	2.24e+03
Fe XXI	12.6627	2s <sup>2</sup> 2p <sup>2</sup> <sup>1</sup> D <sub>2</sub> - 2s <sup>2</sup> 2p 3d <sup>3</sup> D <sub>1</sub>	7.1	1.32e+03
Cr XXII	12.6647	1s <sup>2</sup> 2s <sup>2</sup> S <sub>1/2</sub> - 1s <sup>2</sup> 3p <sup>2</sup> P <sub>1/2</sub>	7.2	3.33e+03
Fe XXII *	12.6700	2s 2p <sup>2</sup> <sup>2</sup> P <sub>3/2</sub> - 2s 2p ( <sup>1</sup> P) 3s <sup>2</sup> P <sub>3/2</sub>	7.1	2.54e+03
Fe XXII *	12.6718	2s 2p <sup>2</sup> <sup>2</sup> P <sub>3/2</sub> - 2s 2p ( <sup>1</sup> P) 3s <sup>2</sup> P <sub>1/2</sub>	7.1	3.91e+03
Fe XX *	12.6783	2p <sup>5</sup> <sup>2</sup> P <sub>1/2</sub> - 2s <sup>2</sup> 2p <sup>2</sup> ( <sup>3</sup> P) 4d <sup>4</sup> F <sub>5/2</sub>	7.1	1.04e+04
Fe XVII	12.6810	2s <sup>2</sup> 2p <sup>6</sup> <sup>1</sup> S <sub>0</sub> - 2s <sup>2</sup> 2p <sup>5</sup> 4s <sup>1</sup> P <sub>1</sub>	6.9	8.97e+03
Ni XX *	12.6826	2s <sup>2</sup> 2p <sup>5</sup> <sup>2</sup> P <sub>1/2</sub> - 2s <sup>2</sup> 2p <sup>4</sup> ( <sup>1</sup> D) 3p <sup>2</sup> F <sub>5/2</sub>	7.1	1.14e+03
Fe XXI	12.6912	2s <sup>2</sup> 2p <sup>2</sup> <sup>1</sup> D <sub>2</sub> - 2s <sup>2</sup> 2p 3d <sup>3</sup> D <sub>2</sub>	7.1	5.09e+03
Fe XXI	12.7010	2s <sup>2</sup> 2p <sup>2</sup> <sup>1</sup> D <sub>2</sub> - 2s <sup>2</sup> 2p 3d <sup>3</sup> F <sub>3</sub>	7.1	2.29e+03
Fe XXIII	12.7035	2p <sup>2</sup> <sup>1</sup> D <sub>2</sub> - 2s 3p <sup>3</sup> P <sub>1</sub>	7.2	2.46e+03
Fe XX *	12.7043	2p <sup>5</sup> <sup>2</sup> P <sub>1/2</sub> - 2s <sup>2</sup> 2p <sup>2</sup> ( <sup>3</sup> P) 4f <sup>2</sup> D <sub>5/2</sub>	7.1	1.12e+03
Fe XXII	12.7071	2p <sup>3</sup> <sup>2</sup> D <sub>5/2</sub> - 2p <sup>2</sup> ( <sup>3</sup> P) 3s <sup>2</sup> P <sub>3/2</sub>	7.1	1.53e+03
Fe XXII *	12.7246	2p <sup>3</sup> <sup>2</sup> D <sub>3/2</sub> - 2p <sup>2</sup> ( <sup>3</sup> P) 3s <sup>2</sup> P <sub>1/2</sub>	7.2	2.71e+03
Fe XXI *	12.7249	2s 2p <sup>3</sup> <sup>3</sup> D <sub>2</sub> - 2s 2p <sup>2</sup> ( <sup>4</sup> P) 3d <sup>3</sup> F <sub>3</sub>	7.1	1.54e+03
Fe XIX *	12.7299	2s <sup>2</sup> 2p <sup>4</sup> <sup>1</sup> D <sub>2</sub> - 2s 2p <sup>4</sup> ( <sup>2</sup> D) 3p <sup>3</sup> P <sub>2</sub>	7.0	1.16e+03
Fe XX *	12.7306	2p <sup>5</sup> <sup>2</sup> P <sub>3/2</sub> - 2s <sup>2</sup> 2p <sup>2</sup> ( <sup>3</sup> P) 4s <sup>2</sup> P <sub>3/2</sub>	7.1	1.41e+03
Fe XIX *	12.7344	2s <sup>2</sup> 2p <sup>4</sup> <sup>1</sup> D <sub>2</sub> - 2s 2p <sup>4</sup> ( <sup>2</sup> D) 3p <sup>3</sup> P <sub>1</sub>	7.0	1.47e+03
Ni XX *	12.7388	2s <sup>2</sup> 2p <sup>5</sup> <sup>2</sup> P <sub>3/2</sub> - 2s <sup>2</sup> 2p <sup>4</sup> ( <sup>3</sup> P) 3p <sup>2</sup> D <sub>5/2</sub>	7.1	3.27e+03
Fe XXI *	12.7411	2s 2p <sup>3</sup> <sup>1</sup> D <sub>2</sub> - 2s 2p <sup>2</sup> ( <sup>2</sup> P) 3d <sup>3</sup> F <sub>3</sub>	7.1	1.12e+03
Fe XVIII *	12.7434	2s <sup>2</sup> 2p <sup>5</sup> <sup>2</sup> P <sub>3/2</sub> - 2s 2p <sup>5</sup> ( <sup>3</sup> P) 3d <sup>4</sup> D <sub>7/2</sub>	6.9	3.22e+03
Fe XVIII *	12.7452	2s <sup>2</sup> 2p <sup>5</sup> <sup>2</sup> P <sub>3/2</sub> - 2s 2p <sup>5</sup> ( <sup>3</sup> P) 3d <sup>2</sup> D <sub>5/2</sub>	6.9	2.18e+03
Fe XXI	12.7495	2s 2p <sup>3</sup> <sup>1</sup> D <sub>2</sub> - 2s 2p <sup>2</sup> ( <sup>2</sup> P) 3d <sup>3</sup> F <sub>2</sub>	7.1	2.69e+03
Fe XX	12.7526	2s <sup>2</sup> 2p <sup>3</sup> <sup>4</sup> S <sub>3/2</sub> - 2s <sup>2</sup> 2p <sup>2</sup> ( <sup>3</sup> P) 3d <sup>2</sup> D <sub>5/2</sub>	7.1	2.94e+03
Fe XIX *	12.7537	2s <sup>2</sup> 2p <sup>4</sup> <sup>1</sup> D <sub>2</sub> - 2s 2p <sup>4</sup> ( <sup>2</sup> D) 3p <sup>1</sup> D <sub>2</sub>	7.0	3.12e+03
Fe XXII	12.7567	2s 2p <sup>2</sup> <sup>2</sup> D <sub>3/2</sub> - 2s 2p ( <sup>3</sup> P) 3s <sup>2</sup> P <sub>1/2</sub>	7.1	1.82e+05
Fe XIX *	12.7618	2s <sup>2</sup> 2p <sup>4</sup> <sup>1</sup> D <sub>2</sub> - 2s 2p <sup>4</sup> ( <sup>2</sup> D) 3p <sup>3</sup> D <sub>3</sub>	7.0	1.22e+03
Fe XX *	12.7646	2p <sup>5</sup> <sup>2</sup> P <sub>3/2</sub> - 2s <sup>2</sup> 2p <sup>2</sup> ( <sup>3</sup> P) 4p <sup>4</sup> P <sub>3/2</sub>	7.1	5.21e+03
Fe XX *	12.7665	2s 2p <sup>4</sup> <sup>4</sup> P <sub>5/2</sub> - 2s 2p <sup>3</sup> ( <sup>3</sup> P) 3d <sup>4</sup> F <sub>7/2</sub>	7.1	2.19e+03
Fe XXII	12.7692	2s 2p <sup>2</sup> <sup>4</sup> P <sub>3/2</sub> - 2s <sup>2</sup> 3p <sup>2</sup> P <sub>1/2</sub>	7.1	1.73e+03
Fe XXI	12.7721	2s <sup>2</sup> 2p <sup>2</sup> <sup>1</sup> D <sub>2</sub> - 2s <sup>2</sup> 2p 3d <sup>3</sup> F <sub>2</sub>	7.1	1.23e+04
Fe XX *	12.7724	2s 2p <sup>4</sup> <sup>2</sup> D <sub>3/2</sub> - 2s 2p <sup>3</sup> ( <sup>1</sup> D) 3d <sup>2</sup> D <sub>5/2</sub>	7.1	1.27e+03
Fe XXI	12.7735	2s 2p <sup>3</sup> <sup>3</sup> D <sub>1</sub> - 2s 2p <sup>2</sup> ( <sup>4</sup> P) 3d <sup>3</sup> F <sub>2</sub>	7.1	1.53e+04
Fe XVIII *	12.7742	2s <sup>2</sup> 2p <sup>5</sup> <sup>2</sup> P <sub>3/2</sub> - 2s 2p <sup>5</sup> ( <sup>1</sup> P) 3p <sup>2</sup> P <sub>3/2</sub>	6.9	1.94e+03



Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXI	12.7746	$2s 2p^3 {}^3D_2 - 2s 2p^2 ({}^4P) 3d {}^3F_2$	7.1	1.57e+04
Fe XXI *	12.7913	$2s 2p^3 {}^5S_2 - 2s 2p^2 ({}^4P) 3p {}^5D_2$	7.1	1.26e+03
Fe XIX *	12.7965	$2s^2 2p^4 {}^1S_0 - 2s 2p^4 ({}^2S) 3p {}^1P_1$	7.0	1.23e+03
Fe XXI *	12.7993	$2s 2p^3 {}^1D_2 - 2s 2p^2 ({}^2D) 3d {}^1D_2$	7.1	1.47e+03
Fe XXII	12.8009	$2s 2p^2 {}^4P_{5/2} - 2s^2 3p {}^2P_{3/2}$	7.1	4.85e+03
Fe XX	12.8043	$2s^2 2p^3 {}^2D_{3/2} - 2s 2p^3 ({}^5S) 3p {}^4P_{5/2}$	7.1	8.68e+03
Fe XX *	12.8062	$2p^5 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 4s {}^2P_{1/2}$	7.1	1.22e+03
Fe XIX *	12.8098	$2s^2 2p^4 {}^1D_2 - 2s 2p^4 ({}^2D) 3p {}^1F_3$	7.0	4.30e+03
Ni XX	12.8120	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1S) 3s {}^2S_{1/2}$	7.1	1.10e+03
Ni XIX	12.8120	$2p^6 {}^1S_0 - 2p^5 3d {}^3P_1$	7.0	5.12e+03
Fe XX	12.8120	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4P_{1/2}$	7.1	1.64e+05
Fe XX *	12.8138	$2s 2p^4 {}^4P_{3/2} - 2s 2p^3 ({}^3P) 3d {}^4D_{3/2}$	7.1	1.68e+03
Ni XX *	12.8159	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^1P) 3s {}^2P_{3/2}$	7.1	1.79e+03
Fe XX *	12.8175	$2s 2p^4 {}^4P_{3/2} - 2s 2p^3 ({}^3P) 3d {}^4D_{1/2}$	7.1	1.09e+03
Fe XVIII	12.8181	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^1P) 3p {}^2D_{5/2}$	6.9	1.15e+04
Fe XVIII *	12.8183	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 3d {}^2F_{7/2}$	6.9	3.53e+03
Fe XXI	12.8220	$2s 2p^3 {}^3D_1 - 2s 2p^2 ({}^4P) 3d {}^3P_2$	7.1	1.26e+05
Fe XXI	12.8231	$2s 2p^3 {}^3D_2 - 2s 2p^2 ({}^4P) 3d {}^3P_2$	7.1	1.94e+04
Fe XXI	12.8237	$2s^2 2p^2 {}^3P_2 - 2s^2 2p 3p {}^3P_0$	7.1	1.11e+03
Fe XX	12.8242	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^2P_{1/2}$	7.1	1.89e+04
Fe XX *	12.8253	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^1D) 3d {}^2D_{5/2}$	7.1	2.34e+03
Fe XX	12.8270	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4P_{3/2}$	7.1	3.84e+05
Fe XX *	12.8338	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^1D) 3d {}^2D_{3/2}$	7.1	2.69e+03
Fe XXI *	12.8403	$2s 2p^3 {}^3P_1 - 2s 2p^2 ({}^4P) 3d {}^3D_2$	7.1	1.08e+04
Fe XX	12.8454	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4P_{5/2}$	7.1	3.45e+05
Fe XX *	12.8463	$2p^5 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 4p {}^4D_{3/2}$	7.1	9.76e+03
Fe XIX *	12.8500	$2s^2 2p^4 {}^1D_2 - 2s 2p^4 ({}^2D) 3p {}^3F_3$	7.0	1.59e+03
Fe XX *	12.8537	$2s 2p^4 {}^4P_{1/2} - 2s 2p^3 ({}^3P) 3d {}^4D_{1/2}$	7.1	1.42e+03
Fe XXI *	12.8553	$2s 2p^3 {}^3D_1 - 2s 2p^2 ({}^2P) 3s {}^3P_0$	7.1	1.42e+04
Fe XX *	12.8569	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^1D) 3d {}^2F_{7/2}$	7.1	5.58e+03
Fe XIX *	12.8646	$2s^2 2p^4 {}^1D_2 - 2s 2p^4 ({}^2D) 3p {}^1P_1$	7.0	2.02e+03
Fe XXI	12.8663	$2s 2p^3 {}^3D_3 - 2s 2p^2 ({}^4P) 3d {}^3P_2$	7.1	5.92e+03
Fe XXI *	12.8689	$2s 2p^3 {}^3P_2 - 2s 2p^2 ({}^4P) 3d {}^3D_2$	7.1	1.54e+04
Fe XXI	12.8700	$2s^2 2p^2 {}^1S_0 - 2s^2 2p 3d {}^3D_1$	7.1	8.47e+03
Fe XX *	12.8743	$2s 2p^4 {}^4P_{1/2} - 2s 2p^3 ({}^3D) 3d {}^2P_{3/2}$	7.1	2.02e+03
Fe XX *	12.8749	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4D_{3/2}$	7.1	2.08e+03
Fe XX *	12.8944	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^1D) 3d {}^2D_{5/2}$	7.1	2.51e+03
Fe XX *	12.8983	$2s 2p^4 {}^2D_{3/2} - 2s 2p^3 ({}^3S) 3d {}^2D_{5/2}$	7.1	2.36e+03
Fe XX *	12.9042	$2s 2p^4 {}^4P_{5/2} - 2s 2p^3 ({}^3D) 3d {}^4P_{5/2}$	7.1	2.33e+03
Fe XX	12.9055	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^2F_{5/2}$	7.1	9.27e+04
Fe XXI	12.9190	$2s 2p^3 {}^1P_1 - 2s 2p^2 ({}^2S) 3d {}^3D_2$	7.1	2.33e+03
Fe XX *	12.9219	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4D_{1/2}$	7.1	4.30e+03
Fe XIX	12.9240	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 3p {}^5D_3$	7.0	3.06e+04
Fe XIX	12.9240	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 3p {}^3S_1$	7.0	1.53e+04
Fe XIX	12.9240	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 3p {}^3D_2$	7.0	2.60e+04
Fe XX *	12.9255	$2s^2 2p^3 {}^2P_{3/2} - 2s^2 2p^2 ({}^1S) 3d {}^2D_{5/2}$	7.1	1.11e+03
Ni XX	12.9270	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 3s {}^2D_{5/2}$	7.1	1.91e+04
Fe XX *	12.9284	$2s 2p^4 {}^2D_{5/2} - 2s 2p^3 ({}^3S) 3d {}^2D_{5/2}$	7.1	2.60e+03
Fe XXI	12.9299	$2s 2p^3 {}^3D_2 - 2s 2p^2 ({}^4P) 3d {}^5F_3$	7.1	1.73e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XIX *	12.9470	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 3p {}^5D_1$	7.0	5.72e+03
Fe XX *	12.9471	$2p^5 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 4p {}^4P_{3/2}$	7.1	5.52e+03
Fe XVIII *	12.9476	$2s^2 2p^5 {}^2P_{1/2} - 2s 2p^5 ({}^1P) 3p {}^2P_{3/2}$	6.9	2.90e+03
Fe XIX *	12.9489	$2s^2 2p^4 {}^3P_0 - 2s 2p^4 ({}^4P) 3p {}^3P_1$	7.0	4.85e+03
Fe XXII	12.9502	$2s 2p^2 {}^2P_{1/2} - 2s 2p ({}^3P) 3s {}^2P_{1/2}$	7.1	7.21e+04
Fe XX	12.9510	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4D_{5/2}$	7.1	1.08e+05
Fe XX *	12.9526	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^1D) 3d {}^2G_{7/2}$	7.1	2.21e+03
Fe XX	12.9623	$2s 2p^4 {}^2D_{3/2} - 2s 2p^3 ({}^3S) 3d {}^4D_{3/2}$	7.1	2.00e+03
Fe XX	12.9623	$2s 2p^4 {}^2D_{3/2} - 2s 2p^3 ({}^3S) 3d {}^4D_{5/2}$	7.1	6.99e+03
Fe XVIII *	12.9648	$2s^2 2p^5 {}^2P_{1/2} - 2s 2p^5 ({}^1P) 3p {}^2P_{1/2}$	6.9	1.27e+03
Fe XX	12.9660	$2s 2p^4 {}^4P_{5/2} - 2s 2p^3 ({}^3D) 3d {}^4D_{7/2}$	7.1	9.34e+03
Fe XX	12.9660	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^2P_{3/2}$	7.1	2.98e+04
Fe XX	12.9660	$2s^2 2p^3 {}^2D_{3/2} - 2s 2p^3 ({}^5S) 3p {}^6P_{5/2}$	7.1	7.24e+03
Fe XIX *	12.9715	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 3p {}^5D_2$	7.0	2.94e+03
Fe XIX *	12.9718	$2s^2 2p^4 {}^3P_1 - 2s 2p^4 ({}^4P) 3p {}^3P_1$	7.0	1.15e+03
Fe XXI	12.9719	$2s 2p^3 {}^3D_2 - 2s 2p^2 ({}^4P) 3d {}^5F_2$	7.1	5.93e+03
Fe XX *	12.9785	$2s^2 2p^3 {}^2D_{5/2} - 2s 2p^3 ({}^5S) 3p {}^6P_{7/2}$	7.1	1.87e+04
Fe XX	12.9820	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^2D_{5/2}$	7.1	2.96e+04
Fe XX *	12.9860	$2s 2p^4 {}^2D_{5/2} - 2s 2p^3 ({}^3S) 3d {}^4D_{7/2}$	7.1	2.52e+04
Fe XXI *	12.9907	$2s^2 2p^2 {}^3P_1 - 2s^2 2p 3s {}^3P_2$	7.1	1.65e+03
Fe XXI *	12.9936	$2p^4 {}^3P_0 - 2p^3 ({}^4S) 3d {}^3D_1$	7.1	1.61e+03
Fe XIX *	12.9988	$2s^2 2p^4 {}^3P_1 - 2s 2p^4 ({}^4P) 3p {}^3P_2$	7.0	3.53e+03
Fe XXI *	13.0008	$2s 2p^3 {}^3D_1 - 2s 2p^2 ({}^4P) 3d {}^5F_1$	7.1	8.26e+03
Fe XIX *	13.0030	$2s^2 2p^4 {}^3P_1 - 2s 2p^4 ({}^4P) 3p {}^3D_1$	7.0	1.19e+03
Fe XX *	13.0085	$2s 2p^4 {}^4P_{5/2} - 2s 2p^3 ({}^3D) 3d {}^4G_{7/2}$	7.1	1.31e+03
Fe XVIII *	13.0167	$2s^2 2p^5 {}^2P_{1/2} - 2s 2p^5 ({}^1P) 3p {}^2D_{3/2}$	6.9	3.22e+03
Fe XIX	13.0180	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 3p {}^3D_3$	7.0	4.27e+04
Fe XXI	13.0200	$2s 2p^3 {}^3P_1 - 2s 2p^2 ({}^4P) 3d {}^3F_2$	7.1	6.55e+03
Fe XIX *	13.0320	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 3p {}^5P_1$	7.0	3.86e+03
Ni XX	13.0324	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3s {}^2P_{1/2}$	7.1	2.41e+03
Fe XX *	13.0338	$2s 2p^4 {}^4P_{5/2} - 2s 2p^3 ({}^3D) 3d {}^4F_{7/2}$	7.1	1.99e+03
Fe XXII *	13.0354	$2p^3 {}^2D_{5/2} - 2s 2p ({}^1P) 3p {}^2P_{3/2}$	7.1	1.15e+03
Fe XIX *	13.0375	$2s^2 2p^4 {}^3P_1 - 2s 2p^4 ({}^4P) 3p {}^5S_2$	7.0	1.48e+03
Fe XX	13.0455	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3d {}^2D_{5/2}$	7.1	9.89e+03
Fe XXI	13.0496	$2s 2p^3 {}^3P_2 - 2s 2p^2 ({}^4P) 3d {}^3F_2$	7.1	1.27e+03
Fe XXI	13.0516	$2s^2 2p^2 {}^3P_0 - 2s^2 2p 3s {}^3P_1$	7.1	3.03e+04
Fe XX	13.0520	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4F_{5/2}$	7.1	8.54e+04
Fe XX *	13.0533	$2s 2p^4 {}^4P_{5/2} - 2s 2p^3 ({}^3D) 3d {}^4F_{5/2}$	7.1	2.78e+03
Fe XX *	13.0540	$2s^2 2p^3 {}^2P_{3/2} - 2s^2 2p^2 ({}^1D) 3d {}^2F_{5/2}$	7.1	4.19e+03
Fe XX *	13.0548	$2s^2 2p^3 {}^2P_{3/2} - 2s^2 2p^2 ({}^1D) 3d {}^2P_{3/2}$	7.1	2.85e+03
Fe XX *	13.0568	$2s^2 2p^3 {}^2P_{3/2} - 2s^2 2p^2 ({}^1D) 3d {}^2S_{1/2}$	7.1	1.41e+03
Fe XXI *	13.0655	$2s^2 2p^2 {}^3P_2 - 2s^2 2p 3s {}^3P_2$	7.1	3.53e+03
Fe XXI	13.0704	$2s 2p^3 {}^3P_1 - 2s 2p^2 ({}^4P) 3d {}^3P_2$	7.1	2.41e+04
Ni XX	13.0750	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3s {}^4P_{3/2}$	7.1	1.16e+04
Fe XVIII *	13.0815	$2s 2p^6 {}^2S_{1/2} - 2s^2 2p^4 ({}^1D) 4p {}^2P_{3/2}$	6.9	3.47e+03
Fe XXI *	13.0863	$2s 2p^3 {}^5S_2 - 2s 2p^2 ({}^4P) 3s {}^5P_2$	7.1	2.17e+03
Fe XX	13.0910	$2s 2p^4 {}^4P_{3/2} - 2s 2p^3 ({}^3D) 3d {}^4D_{5/2}$	7.1	5.10e+03
Fe XX	13.0910	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3d {}^2F_{7/2}$	7.1	1.33e+04
Fe XX	13.0910	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4F_{3/2}$	7.1	1.79e+04

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XIX	13.0910	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 3p {}^5P_2$	7.0	5.10e+03
Fe XIX	13.0910	$2s^2 2p^4 {}^3P_2 - 2s 2p^4 ({}^4P) 3p {}^5P_3$	7.0	6.67e+03
Fe XVIII *	13.0934	$2s 2p^6 {}^2S_{1/2} - 2s^2 2p^4 ({}^1D) 4p {}^2D_{3/2}$	6.9	5.26e+03
Fe XVIII *	13.0943	$2s 2p^6 {}^2S_{1/2} - 2p^6 3p {}^2P_{3/2}$	6.9	2.07e+03
Fe XXI	13.1003	$2s 2p^3 {}^3P_2 - 2s 2p^2 ({}^4P) 3d {}^3P_2$	7.1	2.05e+04
Fe XXI *	13.1065	$2s 2p^3 {}^3P_1 - 2s 2p^2 ({}^2P) 3s {}^3P_0$	7.1	3.35e+03
Fe XX *	13.1147	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4D_{3/2}$	7.1	1.66e+04
Fe XIX *	13.1227	$2s^2 2p^4 {}^3P_1 - 2s 2p^4 ({}^4P) 3p {}^5D_2$	7.0	2.75e+03
Fe XX	13.1235	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3d {}^4P_{3/2}$	7.1	1.60e+04
Fe XX *	13.1286	$2s 2p^4 {}^4P_{1/2} - 2s 2p^3 ({}^3D) 3d {}^4D_{3/2}$	7.1	1.28e+03
Ni XX	13.1350	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3s {}^4P_{1/2}$	7.1	5.23e+03
Fe XXI *	13.1385	$2s 2p^3 {}^3S_1 - 2s 2p^2 ({}^4P) 3d {}^3D_2$	7.1	1.18e+03
Fe XX	13.1405	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^2F_{5/2}$	7.1	5.49e+04
Fe XVII	13.1425	$2s^2 2p^6 {}^1S_0 - 2s 2p^6 3d {}^1D_2$	6.9	1.44e+04
Fe XX	13.1427	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3d {}^4P_{5/2}$	7.1	5.12e+04
Fe XX *	13.1459	$2s 2p^4 {}^2D_{5/2} - 2s 2p^3 ({}^3P) 3d {}^2F_{7/2}$	7.1	5.44e+03
Cr XXII	13.1484	$1s^2 2p {}^2P_{1/2} - 1s^2 3d {}^2D_{3/2}$	7.2	4.46e+03
Fe XXI *	13.1555	$2s 2p^3 {}^3P_2 - 2s 2p^2 ({}^2S) 3s {}^3S_1$	7.1	1.28e+03
Fe XX *	13.1566	$2s^2 2p^3 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 3d {}^2D_{3/2}$	7.1	7.33e+03
Fe XX *	13.1588	$2s^2 2p^3 {}^2P_{1/2} - 2s 2p^3 ({}^5S) 3p {}^6P_{3/2}$	7.1	3.64e+03
Ni XX	13.1610	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 3s {}^2D_{3/2}$	7.1	7.02e+03
Fe XXII	13.1629	$2s 2p^2 {}^2S_{1/2} - 2s 2p ({}^3P) 3s {}^2P_{1/2}$	7.1	5.26e+03
Fe XX *	13.1634	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4D_{1/2}$	7.1	1.63e+03
Fe XX *	13.1690	$2s 2p^4 {}^4P_{3/2} - 2s 2p^3 ({}^3D) 3d {}^4F_{5/2}$	7.1	3.24e+03
Fe XXI *	13.1733	$2s 2p^3 {}^5S_2 - 2s 2p^2 ({}^4P) 3s {}^5P_1$	7.1	1.35e+04
Fe XXII	13.1773	$2s 2p^2 {}^2D_{3/2} - 2s^2 3p {}^2P_{3/2}$	7.1	2.21e+03
Fe XXI	13.1787	$2s^2 2p^2 {}^3P_1 - 2s^2 2p 3s {}^3P_1$	7.1	1.66e+04
Fe XX *	13.1798	$2s 2p^4 {}^2S_{1/2} - 2s 2p^3 ({}^3S) 3d {}^2D_{3/2}$	7.1	3.34e+03
Fe XX *	13.1836	$2s 2p^4 {}^4P_{3/2} - 2s 2p^3 ({}^3D) 3d {}^4F_{3/2}$	7.1	2.11e+03
Fe XX	13.1877	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4D_{5/2}$	7.1	6.60e+03
Fe XXI *	13.1908	$2s^2 2p^2 {}^3P_1 - 2s^2 2p 3s {}^3P_0$	7.1	1.20e+04
Fe XVIII	13.1930	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 3p {}^2S_{1/2}$	6.9	1.08e+03
Fe XIX *	13.1946	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^2P) 3d {}^3F_2$	7.0	1.26e+03
Fe XX	13.2033	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^2P_{3/2}$	7.1	6.47e+03
Fe XX	13.2056	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3d {}^2F_{5/2}$	7.1	1.01e+04
Fe XX *	13.2118	$2s 2p^4 {}^2S_{1/2} - 2s 2p^3 ({}^3S) 3d {}^4D_{1/2}$	7.1	3.26e+03
Fe XXII	13.2170	$2s 2p^2 {}^2D_{5/2} - 2s^2 3p {}^2P_{3/2}$	7.1	3.19e+04
Fe XX *	13.2219	$2s 2p^4 {}^4P_{1/2} - 2s 2p^3 ({}^3D) 3d {}^4F_{3/2}$	7.1	1.47e+03
Fe XX	13.2240	$2s 2p^4 {}^2S_{1/2} - 2s 2p^3 ({}^3S) 3d {}^4D_{3/2}$	7.1	2.80e+03
Fe XXII	13.2360	$2s 2p^2 {}^2D_{3/2} - 2s^2 3p {}^2P_{1/2}$	7.1	8.60e+04
Fe XXI *	13.2439	$2s^2 2p^2 {}^1D_2 - 2s^2 2p 3s {}^1P_1$	7.1	8.14e+03
Fe XX	13.2533	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3d {}^4D_{5/2}$	7.1	1.35e+03
Fe XIX	13.2540	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2P) 3d {}^3D_3$	7.0	2.19e+04
Fe XX	13.2540	$2s^2 2p^3 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 3d {}^4P_{1/2}$	7.1	1.70e+04
Fe XXI	13.2547	$2s^2 2p^2 {}^3P_2 - 2s^2 2p 3s {}^3P_1$	7.1	5.20e+04
Ni XX	13.2560	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3s {}^2P_{3/2}$	7.1	2.26e+04
Fe XX	13.2670	$2s^2 2p^3 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 3d {}^2P_{1/2}$	7.1	2.46e+04
Fe XX	13.2670	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3d {}^4F_{7/2}$	7.1	2.37e+04
Fe XX *	13.2684	$2s 2p^4 {}^2P_{3/2} - 2s 2p^3 ({}^3S) 3d {}^2D_{3/2}$	7.1	1.17e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XX	13.2690	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3d {}^2P_{3/2}$	7.1	9.09e+03
Fe XX *	13.2756	$2s 2p^4 {}^4P_{5/2} - 2s 2p^3 ({}^3S) 3s {}^4S_{3/2}$	7.1	8.97e+03
Fe XX *	13.2782	$2s 2p^4 {}^2S_{1/2} - 2s 2p^3 ({}^3P) 3d {}^2P_{3/2}$	7.1	2.73e+03
Ni XX	13.2816	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3s {}^2P_{1/2}$	7.1	2.84e+03
Fe XIX *	13.2869	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^2P) 3d {}^3D_2$	7.0	4.11e+03
Fe XVIII *	13.2876	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 3p {}^4P_{3/2}$	6.9	3.68e+03
Cr XXII	13.2917	$1s^2 2p {}^2P_{3/2} - 1s^2 3d {}^2D_{5/2}$	7.2	8.59e+03
Fe XX	13.2925	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4F_{5/2}$	7.1	1.81e+04
Ni XX	13.3090	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3s {}^4P_{5/2}$	7.1	3.13e+04
Fe XIX	13.3110	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^2P) 3d {}^3D_3$	7.0	1.45e+04
Fe XVIII	13.3190	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 3p {}^2P_{1/2}$	6.9	1.23e+04
Fe XVIII	13.3190	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 3p {}^4P_{5/2}$	6.9	2.51e+04
Fe XX *	13.3200	$2s 2p^4 {}^2D_{5/2} - 2s 2p^3 ({}^3D) 3d {}^2F_{5/2}$	7.1	1.16e+03
Fe XX	13.3268	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{7/2}$	7.1	9.65e+03
Fe XX *	13.3290	$2s^2 2p^3 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 3d {}^4D_{3/2}$	7.1	2.36e+03
Fe XIX *	13.3324	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^2P) 3d {}^3P_0$	7.0	2.29e+03
Fe XX	13.3329	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4F_{3/2}$	7.1	1.67e+04
Fe XX *	13.3347	$2s 2p^4 {}^2S_{1/2} - 2s 2p^3 ({}^3P) 3d {}^2P_{1/2}$	7.1	1.34e+03
Fe XVIII *	13.3531	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 3p {}^4D_{1/2}$	6.9	2.60e+03
Fe XVIII	13.3551	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 3p {}^2P_{3/2}$	6.9	2.01e+04
Fe XX	13.3591	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3d {}^4F_{5/2}$	7.1	3.44e+03
Ni XX	13.3610	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 3s {}^2P_{3/2}$	7.1	9.99e+03
Fe XIX *	13.3632	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^2P) 3d {}^3P_1$	7.0	3.82e+03
Fe XX	13.3657	$2s^2 2p^3 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4P_{1/2}$	7.1	2.10e+03
Fe XXI	13.3688	$2s 2p^3 {}^3S_1 - 2s 2p^2 ({}^4P) 3d {}^3P_2$	7.1	7.13e+03
Fe XIX *	13.3722	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2P) 3d {}^3D_2$	7.0	2.52e+03
Fe XVIII	13.3740	$2s^2 2p^5 {}^2P_{1/2} - 2s 2p^5 ({}^3P) 3p {}^2S_{1/2}$	6.9	3.26e+03
Fe XIX *	13.3773	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2P) 3d {}^1D_2$	7.0	1.12e+03
Fe XX	13.3789	$2s^2 2p^3 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^2P_{1/2}$	7.1	6.62e+03
Fe XX *	13.3793	$2s^2 2p^3 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 3d {}^4D_{1/2}$	7.1	3.46e+03
Fe XX	13.3822	$2s 2p^4 {}^4P_{5/2} - 2s 2p^3 ({}^5S) 3d {}^4D_{3/2}$	7.1	2.78e+03
Fe XIX *	13.3823	$2s 2p^5 {}^3P_0 - 2s 2p^4 ({}^2P) 3d {}^3D_1$	7.0	1.26e+03
Fe XXII	13.3840	$2s 2p^2 {}^2P_{1/2} - 2s^2 3p {}^2P_{3/2}$	7.1	5.41e+03
Cr XXII	13.3895	$1s^2 2p {}^2P_{1/2} - 1s^2 3s {}^2S_{1/2}$	7.2	1.97e+03
Fe XX	13.3936	$2s 2p^4 {}^4P_{5/2} - 2s 2p^3 ({}^5S) 3d {}^4D_{5/2}$	7.1	2.32e+04
Fe XX *	13.3954	$2s 2p^4 {}^4P_{3/2} - 2s 2p^3 ({}^3S) 3s {}^4S_{3/2}$	7.1	1.36e+04
Fe XVIII	13.3969	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 3p {}^2D_{5/2}$	6.9	3.39e+04
Fe XIX *	13.3973	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^2P) 3d {}^3D_2$	7.0	5.93e+03
Fe XX *	13.4002	$2s 2p^4 {}^2D_{3/2} - 2s 2p^3 ({}^3D) 3d {}^2D_{5/2}$	7.1	2.88e+03
Fe XX	13.4050	$2s 2p^4 {}^4P_{5/2} - 2s 2p^3 ({}^5S) 3d {}^4D_{7/2}$	7.1	7.99e+04
Fe XX	13.4054	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{5/2}$	7.1	1.88e+03
Fe XXI *	13.4174	$2s 2p^3 {}^3S_1 - 2s 2p^2 ({}^2P) 3s {}^3P_0$	7.1	2.90e+04
Fe XX	13.4189	$2s^2 2p^3 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 3d {}^2P_{3/2}$	7.1	6.29e+03
Fe XVIII	13.4241	$2s^2 2p^5 {}^2P_{3/2} - 2s 2p^5 ({}^3P) 3p {}^4D_{3/2}$	6.9	2.07e+04
Fe XIX *	13.4244	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^2S) 3d {}^1D_2$	7.0	4.15e+03
Fe XIX	13.4297	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3d {}^1F_3$	7.0	6.32e+04
Fe XX *	13.4349	$2s 2p^4 {}^4P_{1/2} - 2s 2p^3 ({}^3S) 3s {}^4S_{3/2}$	7.1	9.70e+03
Fe XXI *	13.4455	$2s 2p^3 {}^3D_2 - 2s 2p^2 ({}^4P) 3s {}^3P_1$	7.1	1.29e+03
Fe XX *	13.4458	$2s^2 2p^3 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 3d {}^4D_{3/2}$	7.1	1.14e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Ne IX	13.4471	$1s^2\ ^1S_0 - 1s\ 2p\ ^1P_1$	6.8	1.03e+05
Fe XIX *	13.4519	$2s^2\ 2p^4\ ^3P_1 - 2s^2\ 2p^3\ (^2P)\ 3d\ ^3D_1$	7.0	6.82e+03
Fe XXI *	13.4544	$2s\ 2p^3\ ^1P_1 - 2s\ 2p^2\ (^2S)\ 3s\ ^1S_0$	7.1	1.84e+03
Fe XIX	13.4558	$2s^2\ 2p^4\ ^3P_2 - 2s^2\ 2p^3\ (^2D)\ 3d\ ^3S_1$	7.0	1.42e+05
Fe XIX	13.4620	$2s^2\ 2p^4\ ^3P_0 - 2s^2\ 2p^3\ (^2P)\ 3d\ ^3P_1$	7.0	6.00e+04
Fe XVIII	13.4640	$2s^2\ 2p^5\ ^2P_{3/2} - 2s\ 2p^5\ (^3P)\ 3p\ ^4D_{5/2}$	6.9	1.83e+04
Fe XIX *	13.4642	$2s^2\ 2p^4\ ^3P_1 - 2s^2\ 2p^3\ (^2P)\ 3d\ ^3P_2$	7.0	6.92e+03
Fe XX	13.4674	$2s^2\ 2p^3\ ^2P_{3/2} - 2s^2\ 2p^2\ (^3P)\ 3d\ ^2F_{5/2}$	7.1	2.08e+03
Fe XXI *	13.4711	$2s^2\ 2p^2\ ^1S_0 - 2s^2\ 2p\ 3s\ ^1P_1$	7.1	2.75e+03
Fe XVIII *	13.4753	$2s^2\ 2p^5\ ^2P_{1/2} - 2s\ 2p^5\ (^3P)\ 3p\ ^4P_{3/2}$	6.9	5.54e+03
Fe XXI	13.4820	$2s^2\ 2p^2\ ^1D_2 - 2s^2\ 2p\ 3s\ ^3P_1$	7.1	3.90e+03
Ni XX	13.4830	$2s\ 2p^6\ ^2S_{1/2} - 2s\ 2p^5\ (^3P)\ 3s\ ^4P_{3/2}$	7.1	4.66e+03
Fe XIX *	13.4835	$2s\ 2p^5\ ^3P_1 - 2s\ 2p^4\ (^2S)\ 3d\ ^3D_2$	7.0	1.12e+03
Fe XX *	13.4851	$2s\ 2p^4\ ^4P_{3/2} - 2s\ 2p^3\ (^5S)\ 3d\ ^4D_{1/2}$	7.1	3.29e+03
Fe XXI *	13.4902	$2p^4\ ^3P_2 - 2p^3\ (^4S)\ 3s\ ^3S_1$	7.1	1.32e+03
Fe XXI *	13.4911	$2s\ 2p^3\ ^5S_2 - 2s^2\ 2p\ 3p\ ^1P_1$	7.1	2.03e+03
Fe XIX *	13.4952	$2s^2\ 2p^4\ ^3P_2 - 2s^2\ 2p^3\ (^2D)\ 3d\ ^1D_2$	7.0	1.62e+04
Fe XX *	13.4970	$2s^2\ 2p^3\ ^2P_{3/2} - 2s^2\ 2p^2\ (^3P)\ 3d\ ^4D_{1/2}$	7.1	1.40e+03
Fe XX	13.5050	$2s\ 2p^4\ ^4P_{3/2} - 2s\ 2p^3\ (^5S)\ 3d\ ^4D_{3/2}$	7.1	2.04e+04
Fe XIX	13.5064	$2s^2\ 2p^4\ ^3P_2 - 2s^2\ 2p^3\ (^2D)\ 3d\ ^3D_2$	7.0	2.39e+05
Fe XIX	13.5069	$2s^2\ 2p^4\ ^3P_2 - 2s^2\ 2p^3\ (^2D)\ 3d\ ^3P_1$	7.0	2.25e+03
Fe XXI	13.5070	$2s\ 2p^3\ ^3D_1 - 2s\ 2p^2\ (^4P)\ 3s\ ^3P_0$	7.1	1.98e+05
Fe XX	13.5166	$2s\ 2p^4\ ^4P_{3/2} - 2s\ 2p^3\ (^5S)\ 3d\ ^4D_{5/2}$	7.1	3.52e+04
Fe XIX *	13.5180	$2s\ 2p^5\ ^3P_2 - 2s\ 2p^4\ (^2D)\ 3d\ ^1F_3$	7.0	5.36e+03
Fe XIX	13.5249	$2s^2\ 2p^4\ ^3P_2 - 2s^2\ 2p^3\ (^2D)\ 3d\ ^3D_3$	7.0	5.14e+05
Fe XX *	13.5252	$2s\ 2p^4\ ^4P_{1/2} - 2s\ 2p^3\ (^5S)\ 3d\ ^4D_{1/2}$	7.1	1.62e+04
Fe XIX *	13.5256	$2s^2\ 2p^4\ ^1D_2 - 2s^2\ 2p^3\ (^2P)\ 3d\ ^1D_2$	7.0	2.63e+03
Fe XX	13.5265	$2s^2\ 2p^3\ ^4S_{3/2} - 2s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{3/2}$	7.1	1.34e+03
Fe XIX *	13.5292	$2s^2\ 2p^4\ ^1D_2 - 2s^2\ 2p^3\ (^2P)\ 3d\ ^1F_3$	7.0	7.24e+03
Fe XIX *	13.5330	$2s^2\ 2p^4\ ^3P_1 - 2s^2\ 2p^3\ (^2P)\ 3d\ ^3D_2$	7.0	1.55e+04
Fe XX	13.5334	$2s^2\ 2p^3\ ^2P_{3/2} - 2s^2\ 2p^2\ (^3P)\ 3d\ ^2P_{3/2}$	7.1	6.48e+03
Fe XVIII	13.5406	$2s^2\ 2p^5\ ^2P_{1/2} - 2s\ 2p^5\ (^3P)\ 3p\ ^2P_{3/2}$	6.9	2.26e+03
Fe XVIII *	13.5426	$2s^2\ 2p^5\ ^2P_{1/2} - 2s\ 2p^5\ (^3P)\ 3p\ ^4D_{1/2}$	6.9	1.72e+03
Fe XX	13.5451	$2s\ 2p^4\ ^4P_{1/2} - 2s\ 2p^3\ (^5S)\ 3d\ ^4D_{3/2}$	7.1	1.55e+04
Ne IX	13.5529	$1s^2\ ^1S_0 - 1s\ 2p\ ^3P_1$	6.8	1.14e+04
Fe XIX	13.5540	$2s^2\ 2p^4\ ^3P_2 - 2s^2\ 2p^3\ (^2D)\ 3d\ ^1P_1$	7.0	1.74e+04
Cr XXII	13.5547	$1s^2\ 2p\ ^2P_{3/2} - 1s^2\ 3s\ ^2S_{1/2}$	7.2	4.10e+03
Fe XIX	13.5549	$2s^2\ 2p^4\ ^3P_2 - 2s^2\ 2p^3\ (^2D)\ 3d\ ^3P_2$	7.0	3.08e+04
Fe XIX	13.5574	$2s^2\ 2p^4\ ^1D_2 - 2s^2\ 2p^3\ (^2P)\ 3d\ ^3D_3$	7.0	1.25e+03
Fe XXI	13.5740	$2s\ 2p^3\ ^3D_1 - 2s^2\ 2p\ 3p\ ^1S_0$	7.1	3.26e+04
Fe XIX *	13.5756	$2s\ 2p^5\ ^3P_2 - 2s\ 2p^4\ (^2D)\ 3d\ ^3P_2$	7.0	1.19e+03
Fe XIX *	13.5758	$2s^2\ 2p^4\ ^3P_1 - 2s^2\ 2p^3\ (^2P)\ 3d\ ^3F_2$	7.0	1.62e+03
Fe XIX *	13.5776	$2s\ 2p^5\ ^3P_2 - 2s\ 2p^4\ (^2D)\ 3d\ ^3D_3$	7.0	2.29e+03
Fe XX *	13.5778	$2s\ 2p^4\ ^4P_{5/2} - 2s\ 2p^3\ (^5S)\ 3d\ ^6D_{7/2}$	7.1	8.89e+03
Fe XX *	13.5814	$2s\ 2p^4\ ^4P_{5/2} - 2s\ 2p^3\ (^5S)\ 3d\ ^6D_{5/2}$	7.1	7.18e+03
Fe XX *	13.5838	$2s\ 2p^4\ ^4P_{5/2} - 2s\ 2p^3\ (^5S)\ 3d\ ^6D_{3/2}$	7.1	3.33e+03
Fe XIX *	13.6083	$2s\ 2p^5\ ^3P_2 - 2s\ 2p^4\ (^2D)\ 3d\ ^3D_1$	7.0	2.23e+03
Fe XIX *	13.6175	$2s\ 2p^5\ ^3P_2 - 2s\ 2p^4\ (^2D)\ 3d\ ^3F_3$	7.0	1.59e+03
Fe XIX	13.6197	$2s^2\ 2p^4\ ^3P_1 - 2s^2\ 2p^3\ (^2D)\ 3d\ ^3S_1$	7.0	2.85e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XIX	13.6210	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3d {}^3D_1$	7.0	7.08e+03
Fe XIX	13.6338	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2P) 3d {}^3P_1$	7.0	2.94e+03
Fe XIX	13.6357	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3d {}^3G_3$	7.0	2.14e+04
Fe XXII	13.6372	$2s 2p^2 {}^2P_{3/2} - 2s^2 3p {}^2P_{3/2}$	7.1	4.87e+03
Fe XIX	13.6455	$2s^2 2p^4 {}^3P_0 - 2s^2 2p^3 ({}^2D) 3d {}^3P_1$	7.0	2.48e+03
Fe XX	13.6470	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{7/2}$	7.1	1.49e+03
Fe XIX	13.6480	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3d {}^3F_3$	7.0	7.47e+04
Fe XIX *	13.6589	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3d {}^1D_2$	7.0	3.75e+03
Fe XIX	13.6716	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3d {}^3D_2$	7.0	3.01e+04
Fe XIX	13.6720	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3d {}^3P_1$	7.0	1.71e+04
Fe XIX	13.6734	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3d {}^3F_2$	7.0	2.38e+04
Fe XXII	13.6739	$2s 2p^2 {}^2S_{1/2} - 2s^2 3p {}^2P_{1/2}$	7.1	1.59e+04
Fe XIX *	13.6839	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3d {}^3P_0$	7.0	1.94e+03
Fe XIX *	13.6847	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2P) 3d {}^3D_2$	7.0	1.04e+04
Fe XIX	13.6937	$2s^2 2p^4 {}^3P_0 - 2s^2 2p^3 ({}^2D) 3d {}^1P_1$	7.0	9.33e+03
Ne IX	13.6988	$1s^2 {}^1S_0 - 1s 2s {}^3S_1$	6.8	3.86e+04
Fe XIX *	13.7023	$2s^2 2p^4 {}^1S_0 - 2s^2 2p^3 ({}^2P) 3d {}^1P_1$	7.0	1.31e+03
Fe XIX *	13.7052	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^2D) 3d {}^3D_2$	7.0	5.48e+03
Fe XX *	13.7107	$2s 2p^4 {}^4P_{3/2} - 2s 2p^3 ({}^5S) 3d {}^6D_{1/2}$	7.1	2.21e+03
Fe XIX *	13.7145	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^2D) 3d {}^3P_0$	7.0	2.45e+03
Fe XXI	13.7172	$2s^2 2p^2 {}^1S_0 - 2s^2 2p 3s {}^3P_1$	7.1	1.27e+03
Fe XIX	13.7204	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3d {}^1P_1$	7.0	2.19e+03
Fe XIX	13.7210	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2P) 3d {}^3F_3$	7.0	9.35e+03
Fe XIX	13.7212	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3d {}^3P_2$	7.0	6.42e+04
Fe XIX *	13.7285	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2P) 3d {}^3F_2$	7.0	2.34e+03
Fe XX *	13.7374	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^1D) 3s {}^2D_{5/2}$	7.1	1.89e+03
Fe XIX *	13.7377	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^2D) 3d {}^3S_1$	7.0	1.10e+03
Fe XIX	13.7413	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3d {}^1F_3$	7.0	8.05e+04
Fe XIX *	13.7482	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^2D) 3d {}^3F_2$	7.0	1.41e+03
Fe XIX	13.7620	$2s^2 2p^4 {}^3P_0 - 2s^2 2p^3 ({}^2D) 3d {}^3D_1$	7.0	1.90e+04
Fe XX *	13.7634	$2s 2p^4 {}^4P_{1/2} - 2s 2p^3 ({}^3P) 3s {}^4P_{3/2}$	7.1	2.17e+03
Fe XIX	13.7686	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3d {}^3S_1$	7.0	4.01e+04
Fe XXI *	13.7749	$2s 2p^3 {}^3D_3 - 2s^2 2p 3p {}^1D_2$	7.1	1.88e+03
Ni XIX	13.7791	$2p^6 {}^1S_0 - 2p^5 3s {}^1P_1$	7.0	6.14e+04
Fe XX	13.7806	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3s {}^4P_{5/2}$	7.1	5.21e+04
Fe XXI	13.7830	$2s 2p^3 {}^3P_1 - 2s 2p^2 ({}^4P) 3s {}^3P_0$	7.1	2.70e+04
Fe XIX	13.7916	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3d {}^3D_1$	7.0	1.37e+03
Fe XIX	13.7990	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3d {}^3D_3$	7.0	1.96e+05
Fe XIX *	13.8135	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3d {}^1D_2$	7.0	3.17e+04
Fe XX *	13.8166	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^1D) 3s {}^2D_{5/2}$	7.1	4.70e+03
Fe XIX	13.8221	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3d {}^3P_1$	7.0	1.78e+03
Fe XIX *	13.8224	$2p^6 {}^1S_0 - 2s^2 2p^3 ({}^2D) 4d {}^1P_1$	7.0	1.34e+03
Fe XVII	13.8230	$2s^2 2p^6 {}^1S_0 - 2s 2p^6 3p {}^1P_1$	7.2	3.81e+05
Fe XX *	13.8255	$2s 2p^4 {}^4P_{5/2} - 2s 2p^3 ({}^3D) 3s {}^4D_{7/2}$	7.1	1.68e+03
Fe XIX *	13.8307	$2s 2p^5 {}^1P_1 - 2s 2p^4 ({}^2P) 3d {}^3P_2$	7.0	1.78e+03
Fe XIX	13.8410	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3d {}^3D_3$	7.0	1.04e+04
Fe XIX	13.8427	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3d {}^3F_2$	7.0	7.59e+03
Fe XIX	13.8437	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3d {}^3D_2$	7.0	3.65e+04
Fe XX	13.8440	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3s {}^4P_{3/2}$	7.1	3.18e+04

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXI	13.8528	$2s 2p^3 {}^3P_1 - 2s^2 2p 3p {}^1S_0$	7.1	4.23e+03
Fe XX *	13.8557	$2s 2p^4 {}^2D_{5/2} - 2s 2p^3 ({}^3S) 3s {}^4S_{3/2}$	7.1	2.90e+03
Fe XIX	13.8715	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3d {}^1P_1$	7.0	1.32e+04
Fe XIX	13.8724	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3d {}^3P_2$	7.0	2.18e+03
Fe XVII	13.8910	$2s^2 2p^6 {}^1S_0 - 2s 2p^6 3p {}^3P_1$	7.2	4.97e+05
Fe XXI *	13.8941	$2s 2p^3 {}^3D_1 - 2s^2 2p 3p {}^3P_1$	7.1	1.45e+03
Fe XXI *	13.8946	$2s 2p^3 {}^3D_2 - 2s^2 2p 3p {}^3P_1$	7.1	2.94e+03
Fe XXI *	13.8961	$2s 2p^3 {}^3D_3 - 2s^2 2p 3p {}^3P_2$	7.1	4.01e+03
Fe XXI *	13.9246	$2s 2p^3 {}^3D_3 - 2s^2 2p 3p {}^3D_3$	7.1	1.93e+03
Fe XX *	13.9316	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3s {}^2P_{3/2}$	7.1	1.97e+03
Fe XIX	13.9362	$2s^2 2p^4 {}^3P_0 - 2s^2 2p^3 ({}^4S) 3d {}^3D_1$	7.0	1.98e+04
Fe XIX	13.9380	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3d {}^5D_3$	7.0	3.15e+04
Fe XIX	13.9380	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 3d {}^3D_3$	7.0	1.10e+04
Fe XIX	13.9380	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3d {}^5D_1$	7.0	1.06e+04
Fe XIX	13.9380	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3d {}^5D_2$	7.0	2.34e+04
Fe XIX	13.9416	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3d {}^3D_1$	7.0	7.52e+03
Fe XIX	13.9571	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3d {}^3G_3$	7.0	1.01e+04
Fe XVIII	13.9620	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1S) 3d {}^2D_{5/2}$	6.9	3.58e+04
Fe XIX	13.9620	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 3d {}^3F_2$	7.0	6.39e+03
Fe XIX	13.9638	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^4S) 3d {}^3D_1$	7.0	8.72e+03
Fe XIX	13.9700	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3d {}^3F_3$	7.0	2.10e+03
Fe XX	13.9724	$2s^2 2p^3 {}^4S_{3/2} - 2s^2 2p^2 ({}^3P) 3s {}^4P_{1/2}$	7.1	2.43e+04
Fe XXI	14.0080	$2s 2p^3 {}^3D_1 - 2s^2 2p 3p {}^3P_0$	7.1	1.49e+05
Fe XX *	14.0097	$2s 2p^4 {}^4P_{3/2} - 2s 2p^3 ({}^3D) 3s {}^4D_{3/2}$	7.1	2.18e+03
Fe XX *	14.0131	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3s {}^2P_{3/2}$	7.1	1.01e+04
Fe XIX	14.0170	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^4P) 3d {}^3P_2$	7.0	7.56e+03
Fe XIX	14.0173	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^4S) 3d {}^3D_2$	7.0	2.41e+04
Fe XX *	14.0208	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3s {}^2P_{1/2}$	7.1	9.20e+03
Fe XIX	14.0421	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 3d {}^3F_3$	7.0	2.79e+04
Fe XIX *	14.0427	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 3d {}^3D_2$	7.0	2.17e+04
Ni XIX	14.0430	$2p^6 {}^1S_0 - 2p^5 3s {}^3P_1$	7.0	7.87e+04
Fe XIX *	14.0485	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 3d {}^3P_1$	7.0	8.50e+03
Fe XXI *	14.0538	$2s 2p^3 {}^3D_2 - 2s^2 2p 3p {}^3D_2$	7.1	5.85e+03
Fe XX *	14.0587	$2s 2p^4 {}^2D_{5/2} - 2s 2p^3 ({}^3P) 3s {}^2P_{3/2}$	7.1	2.07e+03
Fe XXI *	14.0607	$2s 2p^3 {}^3D_2 - 2s^2 2p 3p {}^1P_1$	7.1	2.02e+04
Fe XIX	14.0714	$2s^2 2p^4 {}^1S_0 - 2s^2 2p^3 ({}^2D) 3d {}^3S_1$	7.0	1.87e+03
Ni XIX	14.0766	$2p^6 {}^1S_0 - 2p^5 3s {}^3P_2$	7.0	4.48e+04
Fe XX *	14.0810	$2s^2 2p^3 {}^2P_{3/2} - 2s^2 2p^2 ({}^1D) 3s {}^2D_{3/2}$	7.1	4.60e+03
Fe XIX	14.0858	$2s^2 2p^4 {}^3P_0 - 2s^2 2p^3 ({}^4S) 3d {}^5D_1$	7.0	1.88e+03
Ca XVIII	14.0860	$1s^2 2s {}^2S_{1/2} - 1s^2 4p {}^2P_{1/2}$	7.1	1.97e+03
Fe XIX *	14.0877	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 3d {}^5P_3$	7.0	1.18e+04
Ca XVIII	14.0970	$1s^2 2s {}^2S_{1/2} - 1s^2 4p {}^2P_{3/2}$	7.1	3.72e+03
Fe XX *	14.1011	$2s^2 2p^3 {}^2P_{3/2} - 2s^2 2p^2 ({}^1D) 3s {}^2D_{5/2}$	7.1	1.13e+03
Fe XXI *	14.1049	$2s 2p^3 {}^3D_3 - 2s^2 2p 3p {}^3D_2$	7.1	1.97e+04
Fe XIX	14.1140	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^4S) 3d {}^5D_1$	7.0	1.86e+03
Fe XIX	14.1140	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^4S) 3d {}^5D_2$	7.0	2.34e+03
Fe XX	14.1148	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3s {}^4P_{3/2}$	7.1	3.21e+03
Fe XX *	14.1207	$2s 2p^4 {}^2S_{1/2} - 2s 2p^3 ({}^3S) 3s {}^4S_{3/2}$	7.1	4.23e+03
Fe XX	14.1234	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3s {}^4P_{5/2}$	7.1	1.31e+04

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XVIII	14.1241	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1S) 3d {}^2D_{3/2}$	6.9	5.58e+03
Fe XIX *	14.1254	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^4S) 3d {}^5D_0$	7.0	2.95e+03
Fe XIX	14.1282	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^4S) 3d {}^3D_3$	7.0	1.92e+03
Fe XVIII *	14.1336	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^1P) 3d {}^2D_{3/2}$	6.9	6.51e+03
Fe XVIII	14.1361	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 3d {}^2P_{1/2}$	6.9	8.00e+03
Fe XIX *	14.1376	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3p {}^3F_4$	7.0	1.58e+04
Fe XIX *	14.1410	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 3d {}^5P_2$	7.0	3.51e+03
Fe XVIII	14.1443	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 3d {}^2D_{3/2}$	6.9	2.01e+04
Fe XVIII *	14.1476	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^1P) 3d {}^2P_{1/2}$	6.9	2.76e+03
Fe XIX *	14.1525	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 3d {}^5F_3$	7.0	9.05e+03
Fe XVIII *	14.1639	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^1P) 3d {}^2P_{3/2}$	6.9	3.38e+03
Fe XIX *	14.1661	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^4P) 3d {}^3D_2$	7.0	1.00e+04
Fe XIX *	14.1720	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^4P) 3d {}^3P_1$	7.0	1.03e+04
Fe XX *	14.1737	$2s^2 2p^3 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 3s {}^2P_{3/2}$	7.1	3.53e+03
Fe XXI *	14.1741	$2s 2p^3 {}^3D_1 - 2s^2 2p 3p {}^3D_1$	7.1	8.15e+03
Fe XIX *	14.1749	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 3d {}^5P_1$	7.0	2.05e+03
Fe XIX	14.1751	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^4S) 3d {}^3D_2$	7.0	1.61e+03
Fe XIX *	14.1802	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^4P) 3d {}^3P_0$	7.0	5.56e+03
Fe XX *	14.1860	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^1S) 3p {}^2P_{3/2}$	7.1	2.18e+03
Fe XXI	14.1884	$2s 2p^3 {}^3S_1 - 2s^2 2p 3p {}^1S_0$	7.1	2.61e+03
Fe XX	14.1900	$2s^2 2p^3 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3s {}^4P_{3/2}$	7.1	2.64e+03
Fe XXI *	14.2022	$2s 2p^3 {}^3P_2 - 2s^2 2p 3p {}^3D_3$	7.1	3.82e+03
Fe XVIII	14.2040	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 3d {}^2D_{5/2}$	6.9	5.74e+05
Fe XVIII	14.2088	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 3d {}^2P_{3/2}$	6.9	3.23e+05
Fe XIX *	14.2160	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3p {}^3F_3$	7.0	9.75e+03
Fe XX *	14.2224	$2s 2p^4 {}^2P_{3/2} - 2s 2p^3 ({}^3S) 3s {}^4S_{3/2}$	7.1	3.79e+03
Fe XX	14.2483	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3s {}^4P_{1/2}$	7.1	3.58e+03
Fe XIX	14.2522	$2s^2 2p^4 {}^1S_0 - 2s^2 2p^3 ({}^2D) 3d {}^3D_1$	7.0	2.21e+03
Fe XVIII	14.2580	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 3d {}^2S_{1/2}$	6.9	1.29e+05
Fe XVIII	14.2580	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 3d {}^2F_{5/2}$	6.9	4.62e+04
Fe XIX *	14.2612	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3p {}^3F_2$	7.0	1.47e+03
Fe XX	14.2634	$2s 2p^4 {}^4P_{5/2} - 2s 2p^3 ({}^5S) 3s {}^4S_{3/2}$	7.1	9.48e+04
Fe XX *	14.2659	$2s^2 2p^3 {}^2P_{1/2} - 2s^2 2p^2 ({}^3P) 3s {}^2P_{1/2}$	7.1	2.70e+03
Fe XIX	14.2740	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^4S) 3d {}^5D_3$	7.0	2.44e+03
Fe XIX *	14.3045	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^2P) 3s {}^3P_2$	7.0	1.30e+04
Fe XX *	14.3058	$2s^2 2p^3 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 3s {}^2P_{3/2}$	7.1	1.57e+03
Fe XX	14.3125	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^1D) 3p {}^2P_{3/2}$	7.1	3.92e+04
Fe XX *	14.3228	$2s 2p^4 {}^4P_{3/2} - 2s^2 2p^2 ({}^1S) 3p {}^2P_{3/2}$	7.1	1.16e+03
Fe XX *	14.3259	$2s 2p^4 {}^2D_{3/2} - 2s 2p^3 ({}^3D) 3s {}^2D_{3/2}$	7.1	8.69e+03
Fe XIX	14.3296	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3p {}^1F_3$	7.0	2.13e+03
Fe XVIII	14.3441	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 3d {}^2P_{1/2}$	6.9	3.93e+04
Fe XVIII	14.3525	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 3d {}^2D_{3/2}$	6.9	6.50e+04
Fe XXI *	14.3541	$2s 2p^3 {}^3P_1 - 2s^2 2p 3p {}^3D_2$	7.1	1.19e+04
Fe XVIII	14.3730	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3d {}^2D_{5/2}$	6.9	2.22e+05
Fe XXI *	14.3898	$2s 2p^3 {}^3P_2 - 2s^2 2p 3p {}^3D_2$	7.1	8.64e+03
Fe XVIII	14.3947	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3d {}^2P_{3/2}$	6.9	4.13e+03
Fe XXI *	14.3971	$2s 2p^3 {}^3P_2 - 2s^2 2p 3p {}^1P_1$	7.1	2.18e+03
Fe XIX *	14.3978	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3p {}^3F_3$	7.0	1.63e+03
Fe XIX *	14.4016	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3p {}^3P_0$	7.0	2.91e+03



Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XX	14.4030	$2s 2p^4 \ ^4P_{3/2} - 2s 2p^3 \ (^5S) 3s \ ^4S_{3/2}$	7.1	3.79e+04
Fe XVIII	14.4190	$2s^2 2p^5 \ ^2P_{1/2} - 2s^2 2p^4 \ (^1D) 3d \ ^2P_{3/2}$	6.9	4.85e+04
Fe XVIII	14.4190	$2s^2 2p^5 \ ^2P_{3/2} - 2s^2 2p^4 \ (^3P) 3d \ ^4P_{5/2}$	6.9	3.72e+04
Fe XIX *	14.4212	$2s^2 2p^4 \ ^3P_2 - 2s^2 2p^3 \ (^4S) 3p \ ^3P_2$	7.0	7.45e+03
Fe XIX *	14.4325	$2s 2p^5 \ ^3P_1 - 2s 2p^4 \ (^2P) 3s \ ^3P_2$	7.0	1.23e+04
Fe XXI *	14.4345	$2s 2p^3 \ ^1D_2 - 2s^2 2p 3p \ ^1D_2$	7.1	1.53e+03
Fe XIX *	14.4442	$2s^2 2p^4 \ ^3P_1 - 2s^2 2p^3 \ (^2D) 3p \ ^3F_2$	7.0	3.84e+03
Fe XX	14.4485	$2s 2p^4 \ ^4P_{1/2} - 2s 2p^3 \ (^5S) 3s \ ^4S_{3/2}$	7.1	2.56e+04
Fe XXI	14.4522	$2s 2p^3 \ ^1P_1 - 2s 2p^2 \ (^4P) 3s \ ^3P_0$	7.1	3.49e+03
Fe XX	14.4530	$2s 2p^4 \ ^4P_{3/2} - 2s^2 2p^2 \ (^1D) 3p \ ^2P_{3/2}$	7.1	2.62e+04
Fe XVIII	14.4530	$2s^2 2p^5 \ ^2P_{3/2} - 2s^2 2p^4 \ (^3P) 3d \ ^2D_{3/2}$	6.9	1.95e+04
Fe XXI *	14.4622	$2s 2p^3 \ ^3P_0 - 2s^2 2p 3p \ ^3D_1$	7.1	5.67e+03
Fe XIX *	14.4668	$2s^2 2p^4 \ ^3P_2 - 2s^2 2p^3 \ (^4S) 3p \ ^3P_1$	7.0	4.27e+03
Fe XVIII	14.4697	$2s^2 2p^5 \ ^2P_{1/2} - 2s^2 2p^4 \ (^1D) 3d \ ^2S_{1/2}$	6.9	2.14e+04
Ni XX	14.4700	$2s 2p^6 \ ^2S_{1/2} - 2s^2 2p^4 \ (^1D) 3p \ ^2P_{3/2}$	7.1	2.45e+04
Fe XVIII *	14.4745	$2s^2 2p^5 \ ^2P_{3/2} - 2s^2 2p^4 \ (^3P) 3d \ ^2P_{1/2}$	6.9	5.14e+03
Fe XXI *	14.4801	$2s 2p^3 \ ^3P_1 - 2s^2 2p 3p \ ^3D_1$	7.1	6.39e+03
Fe XVIII	14.4871	$2s^2 2p^5 \ ^2P_{3/2} - 2s^2 2p^4 \ (^3P) 3d \ ^4F_{5/2}$	6.9	1.31e+04
Fe XVIII	14.4871	$2s^2 2p^5 \ ^2P_{3/2} - 2s^2 2p^4 \ (^3P) 3d \ ^4F_{3/2}$	6.9	2.53e+04
Fe XIX *	14.4873	$2s^2 2p^4 \ ^1D_2 - 2s^2 2p^3 \ (^2D) 3p \ ^3F_4$	7.0	1.52e+03
Fe XIX	14.4945	$2s^2 2p^4 \ ^1D_2 - 2s^2 2p^3 \ (^2D) 3p \ ^1F_3$	7.0	5.60e+03
Fe XX	14.4989	$2s 2p^4 \ ^4P_{1/2} - 2s^2 2p^2 \ (^1D) 3p \ ^2P_{3/2}$	7.1	1.11e+04
Fe XXI *	14.5165	$2s 2p^3 \ ^3P_2 - 2s^2 2p 3p \ ^3D_1$	7.1	2.06e+03
Fe XX *	14.5207	$2s 2p^4 \ ^4P_{5/2} - 2s 2p^3 \ (^5S) 3s \ ^6S_{5/2}$	7.1	5.15e+03
Fe XXI	14.5290	$2s 2p^3 \ ^1P_1 - 2s^2 2p 3p \ ^1S_0$	7.1	1.18e+04
Fe XIX *	14.5321	$2s^2 2p^4 \ ^3P_2 - 2s^2 2p^3 \ (^4S) 3p \ ^5P_3$	7.0	2.01e+03
Fe XVIII	14.5370	$2s^2 2p^5 \ ^2P_{3/2} - 2s^2 2p^4 \ (^3P) 3d \ ^2F_{5/2}$	6.9	1.66e+05
Fe XIX	14.5476	$2s^2 2p^4 \ ^1D_2 - 2s^2 2p^3 \ (^2D) 3p \ ^3D_3$	7.0	1.73e+03
Fe XVIII	14.5510	$2s^2 2p^5 \ ^2P_{3/2} - 2s^2 2p^4 \ (^3P) 3d \ ^4P_{3/2}$	6.9	8.03e+04
Fe XIX	14.5705	$2s^2 2p^4 \ ^3P_1 - 2s^2 2p^3 \ (^2P) 3s \ ^3P_2$	7.0	3.84e+03
Fe XIX *	14.5754	$2s^2 2p^4 \ ^3P_2 - 2s^2 2p^3 \ (^4S) 3p \ ^5P_2$	7.0	2.79e+03
Fe XIX *	14.5793	$2s^2 2p^4 \ ^3P_0 - 2s^2 2p^3 \ (^4S) 3p \ ^3P_2$	7.0	3.93e+03
Ni XX *	14.5796	$2s 2p^6 \ ^2S_{1/2} - 2s^2 2p^4 \ (^1D) 3p \ ^2D_{3/2}$	7.1	1.22e+03
Fe XVIII	14.5798	$2s 2p^6 \ ^2S_{1/2} - 2s 2p^5 \ (^3P) 3d \ ^2P_{3/2}$	6.9	7.09e+03
Fe XVIII	14.5800	$2s^2 2p^5 \ ^2P_{3/2} - 2s^2 2p^4 \ (^3P) 3d \ ^4P_{1/2}$	6.9	3.67e+04
Fe XIX *	14.6083	$2s^2 2p^4 \ ^3P_1 - 2s^2 2p^3 \ (^4S) 3p \ ^3P_2$	7.0	3.57e+03
Fe XVIII	14.6105	$2s^2 2p^5 \ ^2P_{1/2} - 2s^2 2p^4 \ (^3P) 3d \ ^2P_{3/2}$	6.9	1.59e+04
Fe XIX	14.6219	$2s^2 2p^4 \ ^3P_2 - 2s^2 2p^3 \ (^2D) 3s \ ^1D_2$	7.0	1.66e+03
Fe XVIII *	14.6395	$2s^2 2p^5 \ ^2P_{3/2} - 2s^2 2p^4 \ (^3P) 3d \ ^4D_{1/2}$	6.9	1.82e+03
Ca XVIII	14.6591	$1s^2 2p \ ^2P_{1/2} - 1s^2 4d \ ^2D_{3/2}$	7.1	2.00e+03
Fe XXI	14.6632	$2s 2p^3 \ ^3S_1 - 2s^2 2p 3p \ ^3P_0$	7.1	4.90e+03
Fe XX *	14.6640	$2s 2p^4 \ ^4P_{3/2} - 2s 2p^3 \ (^5S) 3s \ ^6S_{5/2}$	7.1	1.37e+03
Fe XIX	14.6640	$2s^2 2p^4 \ ^3P_0 - 2s^2 2p^3 \ (^2P) 3s \ ^3P_1$	7.0	5.49e+03
Fe XX *	14.6669	$2s 2p^4 \ ^4P_{5/2} - 2s^2 2p^2 \ (^3P) 3p \ ^2D_{5/2}$	7.1	7.00e+03
Fe XIX	14.6690	$2s^2 2p^4 \ ^3P_2 - 2s^2 2p^3 \ (^2D) 3s \ ^3D_3$	7.0	1.34e+05
Fe XVIII	14.6705	$2s^2 2p^5 \ ^2P_{1/2} - 2s^2 2p^4 \ (^3P) 3d \ ^2D_{3/2}$	6.9	1.43e+04
Fe XVIII *	14.6710	$2s^2 2p^5 \ ^2P_{3/2} - 2s^2 2p^4 \ (^3P) 3d \ ^4D_{5/2}$	6.9	1.27e+03
Fe XIX	14.6945	$2s^2 2p^4 \ ^3P_1 - 2s^2 2p^3 \ (^2P) 3s \ ^3P_1$	7.0	1.37e+03
Fe XVIII *	14.6975	$2s^2 2p^5 \ ^2P_{1/2} - 2s^2 2p^4 \ (^3P) 3d \ ^2P_{1/2}$	6.9	2.67e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XIX *	14.7021	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2P) 3s {}^1P_1$	7.0	1.60e+03
Fe XIX *	14.7037	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2P) 3s {}^3P_0$	7.0	1.08e+03
Fe XVIII	14.7056	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3d {}^4F_{3/2}$	6.9	2.18e+03
Fe XVIII	14.7058	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 3d {}^2P_{1/2}$	6.9	1.96e+04
Fe XIX	14.7325	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^2D) 3s {}^3D_2$	7.0	2.09e+03
Fe XXI *	14.7354	$2s 2p^3 {}^3S_1 - 2s^2 2p 3p {}^1P_1$	7.1	1.16e+03
Fe XIX	14.7381	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3s {}^3D_2$	7.0	5.15e+04
Fe XIX	14.7410	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2P) 3s {}^3P_2$	7.0	3.81e+03
Ca XVIII	14.7441	$1s^2 2p {}^2P_{3/2} - 1s^2 4d {}^2D_{5/2}$	7.1	3.56e+03
Fe XVIII *	14.7599	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 3d {}^4D_{3/2}$	6.9	2.21e+03
Fe XX	14.7638	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^3P) 3p {}^4S_{3/2}$	7.1	5.34e+04
Fe XVIII	14.7715	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3d {}^4P_{3/2}$	6.9	9.93e+03
Fe XVIII	14.7718	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 3d {}^2D_{3/2}$	6.9	2.65e+04
Fe XXI *	14.7974	$2s 2p^3 {}^1D_2 - 2s^2 2p 3p {}^3D_2$	7.1	1.17e+03
Fe XX *	14.8060	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^3P) 3p {}^2D_{3/2}$	7.1	1.75e+04
Fe XVIII *	14.8068	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 3d {}^4D_{1/2}$	6.9	2.13e+03
Fe XX	14.8128	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{7/2}$	7.1	1.29e+04
Fe XIX	14.8156	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3s {}^1D_2$	7.0	3.63e+03
O VIII	14.8205	$1s {}^2S_{1/2} - 5p {}^2P_{3/2}$	7.1	2.34e+04
O VIII	14.8207	$1s {}^2S_{1/2} - 5p {}^2P_{1/2}$	7.1	1.17e+04
Fe XX *	14.8241	$2s 2p^4 {}^4P_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^2P_{3/2}$	7.1	9.19e+03
Ca XVII *	14.8261	$2s^2 {}^1S_0 - 2s 4p {}^1P_1$	6.9	1.94e+03
Fe XX *	14.8304	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^3P) 3p {}^4P_{5/2}$	7.1	1.81e+04
Fe XX *	14.8504	$2s 2p^4 {}^2D_{5/2} - 2s^2 2p^2 ({}^1S) 3p {}^2P_{3/2}$	7.1	3.22e+03
Ca XVIII	14.8571	$1s^2 2p {}^2P_{3/2} - 1s^2 4s {}^2S_{1/2}$	7.1	1.72e+03
Fe XXI *	14.8605	$2s 2p^3 {}^3S_1 - 2s^2 2p 3p {}^3D_1$	7.1	2.22e+03
Fe XVIII *	14.8676	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3d {}^4D_{1/2}$	6.9	7.36e+03
Fe XIX	14.8680	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^2D) 3s {}^3D_2$	7.0	5.70e+03
Fe XIX	14.8680	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2P) 3s {}^3P_1$	7.0	3.78e+03
Fe XVIII *	14.8718	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 3d {}^4F_{3/2}$	6.9	6.35e+03
Fe XX *	14.8725	$2s 2p^4 {}^4P_{1/2} - 2s^2 2p^2 ({}^3P) 3p {}^2P_{3/2}$	7.1	4.18e+03
Fe XVIII *	14.8897	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3d {}^4D_{3/2}$	6.9	1.91e+04
Fe XIX	14.9005	$2s^2 2p^4 {}^3P_0 - 2s^2 2p^3 ({}^2D) 3s {}^3D_1$	7.0	2.72e+03
Fe XVIII *	14.9080	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 3p {}^2D_{5/2}$	6.9	2.20e+03
Fe XX	14.9100	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{5/2}$	7.1	4.12e+03
Fe XX	14.9133	$2s 2p^4 {}^4P_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^4S_{3/2}$	7.1	4.21e+04
Fe XXI *	14.9314	$2s 2p^3 {}^1D_2 - 2s^2 2p 3p {}^3D_1$	7.1	3.11e+03
Fe XIX	14.9320	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3s {}^3D_1$	7.0	1.79e+04
Fe XX	14.9320	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^3P) 3p {}^4P_{3/2}$	7.1	2.33e+04
Fe XIX	14.9350	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3s {}^3D_2$	7.0	1.39e+04
Fe XX *	14.9550	$2s 2p^4 {}^4P_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^2D_{3/2}$	7.1	1.14e+03
Fe XX	14.9622	$2s 2p^4 {}^4P_{1/2} - 2s^2 2p^2 ({}^3P) 3p {}^4S_{3/2}$	7.1	2.82e+04
Fe XX	14.9670	$2s 2p^4 {}^2D_{5/2} - 2s^2 2p^2 ({}^1D) 3p {}^2P_{3/2}$	7.1	5.77e+03
Fe XVIII *	14.9687	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 3p {}^2F_{7/2}$	6.9	1.54e+04
Fe XX *	14.9800	$2s 2p^4 {}^4P_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^4P_{5/2}$	7.1	3.73e+03
Fe XIX	14.9920	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3s {}^1D_2$	7.0	2.72e+04
Fe XIX	14.9920	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3s {}^3S_1$	7.0	6.69e+04
Fe XVIII *	15.0010	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 3d {}^4P_{3/2}$	6.9	1.20e+03
Fe XX *	15.0011	$2s 2p^4 {}^4P_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^4P_{1/2}$	7.1	3.10e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XVII	15.0150	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 3d {}^1P_1$	7.2	1.91e+06
Fe XXI	15.0273	$2s 2p^3 {}^1P_1 - 2s^2 2p 3p {}^3P_0$	7.1	1.40e+03
Fe XIX	15.0416	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3s {}^3D_3$	7.0	1.24e+04
Fe XIX *	15.0442	$2s^2 2p^4 {}^1S_0 - 2s^2 2p^3 ({}^2P) 3s {}^1P_1$	7.0	2.14e+03
Fe XX	15.0600	$2s 2p^4 {}^4P_{5/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{3/2}$	7.1	2.04e+04
Fe XX	15.0626	$2s 2p^4 {}^4P_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{5/2}$	7.1	1.21e+04
Fe XVIII	15.0675	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 3p {}^2P_{3/2}$	6.9	1.98e+03
Fe XIX	15.0810	$2s^2 2p^4 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3s {}^5S_2$	7.0	1.36e+05
Fe XVIII *	15.0982	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3p {}^2D_{3/2}$	6.9	1.54e+03
Fe XX *	15.1106	$2s 2p^4 {}^2D_{5/2} - 2s^2 2p^2 ({}^1D) 3p {}^2D_{5/2}$	7.1	2.84e+03
Fe XIX	15.1112	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3s {}^3D_1$	7.0	1.98e+03
Fe XX *	15.1136	$2s 2p^4 {}^2D_{3/2} - 2s^2 2p^2 ({}^1D) 3p {}^2D_{3/2}$	7.1	2.37e+03
Fe XIX	15.1143	$2s^2 2p^4 {}^1D_2 - 2s^2 2p^3 ({}^2D) 3s {}^3D_2$	7.0	5.24e+03
Fe XIX *	15.1152	$2s 2p^5 {}^1P_1 - 2s 2p^4 ({}^2S) 3s {}^1S_0$	7.0	1.63e+03
Fe XX *	15.1176	$2s 2p^4 {}^4P_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^2S_{1/2}$	7.1	6.69e+03
Fe XVIII *	15.1447	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 3p {}^2D_{5/2}$	6.9	2.38e+03
Fe XVIII *	15.1566	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3p {}^4D_{5/2}$	6.9	6.05e+03
Fe XIX	15.1631	$2s^2 2p^4 {}^3P_0 - 2s^2 2p^3 ({}^4S) 3s {}^3S_1$	7.0	1.41e+04
Fe XX *	15.1639	$2s 2p^4 {}^2D_{3/2} - 2s^2 2p^2 ({}^1D) 3p {}^2F_{5/2}$	7.1	1.31e+03
Fe XX *	15.1744	$2s 2p^4 {}^2D_{5/2} - 2s^2 2p^2 ({}^1D) 3p {}^2F_{7/2}$	7.1	2.80e+03
Ni XX *	15.1756	$2s 2p^6 {}^2S_{1/2} - 2s^2 2p^4 ({}^3P) 3p {}^4P_{3/2}$	7.1	1.79e+03
O VIII	15.1760	$1s {}^2S_{1/2} - 4p {}^2P_{3/2}$	7.1	5.15e+04
O VIII	15.1765	$1s {}^2S_{1/2} - 4p {}^2P_{1/2}$	7.1	2.57e+04
Fe XIX	15.1800	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^4P) 3s {}^3P_0$	7.0	1.05e+04
Fe XVIII *	15.1928	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3p {}^2P_{3/2}$	6.9	9.17e+03
Fe XIX	15.1958	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^4S) 3s {}^3S_1$	7.0	1.60e+04
Fe XIX	15.2080	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 3s {}^3P_2$	7.0	1.15e+05
Fe XX	15.2157	$2s 2p^4 {}^4P_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{3/2}$	7.1	2.35e+03
Fe XX	15.2241	$2s 2p^4 {}^2S_{1/2} - 2s 2p^3 ({}^5S) 3s {}^4S_{3/2}$	7.1	1.41e+03
Fe XVIII *	15.2285	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3p {}^4D_{3/2}$	6.9	4.78e+03
Fe XVIII *	15.2361	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3p {}^4D_{1/2}$	6.9	1.38e+03
Fe XXI *	15.2388	$2s 2p^3 {}^1P_1 - 2s^2 2p 3p {}^3D_1$	7.1	2.39e+03
Fe XVIII *	15.2546	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 3p {}^2F_{5/2}$	6.9	9.77e+03
Fe XX *	15.2599	$2s 2p^4 {}^4P_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{1/2}$	7.1	2.40e+03
Fe XVII	15.2620	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 3d {}^3D_1$	7.2	6.15e+05
Fe XVIII	15.2651	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1S) 3s {}^2S_{1/2}$	6.9	2.63e+03
Fe XX	15.2665	$2s 2p^4 {}^4P_{1/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{3/2}$	7.1	4.44e+03
Fe XIX	15.2872	$2s^2 2p^4 {}^3P_1 - 2s^2 2p^3 ({}^4S) 3s {}^5S_2$	7.0	4.45e+03
Fe XX *	15.3112	$2s 2p^4 {}^4P_{1/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{1/2}$	7.1	4.01e+03
Fe XX *	15.3356	$2s 2p^4 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^2D_{5/2}$	7.1	1.10e+03
Fe XVIII *	15.3410	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3p {}^2D_{3/2}$	6.9	3.12e+03
Fe XIX *	15.3431	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 3s {}^5P_2$	7.0	2.68e+04
Fe XX *	15.3473	$2s 2p^4 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^2P_{3/2}$	7.1	2.87e+03
Fe XIX	15.3524	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^4P) 3s {}^3P_2$	7.0	3.14e+04
Fe XVIII *	15.3681	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3p {}^4P_{1/2}$	6.9	1.96e+03
Fe XX *	15.3900	$2s 2p^4 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3p {}^2P_{3/2}$	7.1	3.70e+03
Fe XX	15.3911	$2s 2p^4 {}^2P_{3/2} - 2s^2 2p^2 ({}^1D) 3p {}^2P_{3/2}$	7.1	1.73e+03
Fe XVIII	15.3967	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3p {}^2D_{5/2}$	6.9	2.81e+04
Fe XVIII	15.3981	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3p {}^4D_{7/2}$	6.9	2.76e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XIX	15.4050	$2s 2p^5 {}^1P_1 - 2s 2p^4 ({}^2D) 3s {}^1D_2$	7.0	8.73e+03
Fe XVIII *	15.4402	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3p {}^4P_{3/2}$	6.9	2.51e+03
Fe XVIII	15.4498	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^1P) 3s {}^2P_{3/2}$	6.9	2.20e+04
Fe XVII	15.4500	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 3d {}^3P_1$	7.2	2.33e+05
Fe XIX *	15.4604	$2s 2p^5 {}^3P_2 - 2s 2p^4 ({}^4P) 3s {}^5P_3$	7.0	5.35e+03
Fe XX	15.4612	$2s 2p^4 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3p {}^4S_{3/2}$	7.1	2.18e+03
Fe XVIII	15.4737	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3p {}^4P_{5/2}$	6.9	3.95e+03
Fe XVIII *	15.4756	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3p {}^4D_{3/2}$	6.9	1.23e+03
Fe XIX *	15.4905	$2s 2p^5 {}^3P_1 - 2s 2p^4 ({}^4P) 3s {}^5P_2$	7.0	2.76e+03
Fe XVIII	15.5079	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1S) 3s {}^2S_{1/2}$	6.9	1.01e+04
Fe XX	15.5150	$2s 2p^4 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{7/2}$	7.1	2.28e+04
Fe XVIII	15.6221	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^1D) 3s {}^2D_{5/2}$	6.9	2.23e+05
Fe XX	15.6259	$2s 2p^4 {}^2P_{1/2} - 2s^2 2p^2 ({}^1D) 3p {}^2P_{3/2}$	7.1	1.58e+03
Fe XVIII	15.6438	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3p {}^2D_{5/2}$	6.9	1.21e+03
Fe XX	15.6459	$2s 2p^4 {}^2D_{5/2} - 2s^2 2p^2 ({}^3P) 3p {}^4P_{3/2}$	7.1	1.13e+03
Fe XX *	15.6578	$2s 2p^4 {}^2S_{1/2} - 2s^2 2p^2 ({}^3P) 3p {}^2P_{1/2}$	7.1	1.48e+03
Fe XX *	15.7176	$2s 2p^4 {}^2S_{1/2} - 2s^2 2p^2 ({}^3P) 3p {}^2P_{3/2}$	7.1	1.27e+03
Fe XVIII	15.7664	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3s {}^2P_{1/2}$	6.9	3.22e+04
Fe XX *	15.8149	$2s 2p^4 {}^2D_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{1/2}$	7.1	2.50e+03
Fe XVIII	15.8281	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3s {}^4P_{3/2}$	6.9	1.40e+05
Fe XX *	15.8437	$2s 2p^4 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^2P_{3/2}$	7.1	1.09e+04
Fe XVIII	15.8700	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^1D) 3s {}^2D_{3/2}$	6.9	7.87e+04
Fe XVIII	15.8700	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3s {}^4P_{1/2}$	6.9	5.90e+04
Fe XIX *	15.9195	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^2P) 3p {}^3D_3$	7.0	5.79e+03
Ca XVII *	15.9769	$2s 2p {}^1P_1 - 2s 4d {}^1D_2$	6.9	1.95e+03
Fe XX	15.9882	$2s 2p^4 {}^2S_{1/2} - 2s^2 2p^2 ({}^3P) 3p {}^4P_{3/2}$	7.1	1.13e+03
Fe XVIII	16.0050	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3s {}^2P_{3/2}$	6.9	2.48e+05
Fe XVII	16.0050	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 3p {}^1D_2$	6.9	1.29e+04
O VIII	16.0055	$1s {}^2S_{1/2} - 3p {}^2P_{3/2}$	7.1	1.47e+05
O VIII	16.0067	$1s {}^2S_{1/2} - 3p {}^2P_{1/2}$	7.1	7.34e+04
Fe XX *	16.0219	$2s 2p^4 {}^2P_{3/2} - 2s^2 2p^2 ({}^3P) 3p {}^4P_{5/2}$	7.1	2.40e+03
Fe XVIII	16.0256	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3s {}^2P_{1/2}$	6.9	3.68e+04
Fe XVIII	16.0258	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 3s {}^2P_{1/2}$	6.9	1.07e+03
Fe XIX	16.0270	$2s 2p^5 {}^3P_1 - 2s^2 2p^3 ({}^2P) 3p {}^3P_0$	7.0	1.13e+04
Fe XIX *	16.0379	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^2P) 3p {}^3D_2$	7.0	1.21e+03
Ti XX	16.0506	$1s^2 2p {}^2P_{3/2} - 1s^2 3d {}^2D_{5/2}$	7.1	1.43e+03
Fe XIX *	16.0510	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3p {}^1D_2$	7.0	2.01e+03
Fe XVIII	16.0720	$2s^2 2p^5 {}^2P_{3/2} - 2s^2 2p^4 ({}^3P) 3s {}^4P_{5/2}$	6.9	3.45e+05
Fe XIX *	16.0786	$2s 2p^5 {}^3P_1 - 2s^2 2p^3 ({}^2P) 3p {}^3P_1$	7.0	1.42e+03
Fe XVIII	16.0893	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3s {}^4P_{3/2}$	6.9	1.19e+04
Fe XIX	16.1100	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3p {}^3P_2$	7.0	1.88e+05
Fe XVIII	16.1327	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3s {}^4P_{1/2}$	6.9	1.66e+03
Fe XVIII	16.1658	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 3s {}^2P_{3/2}$	6.9	1.09e+05
Fe XIX *	16.1720	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^2P) 3p {}^3S_1$	7.0	4.98e+03
Fe XVIII *	16.1833	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 3s {}^4P_{1/2}$	6.9	1.23e+03
Fe XIX *	16.1990	$2s 2p^5 {}^3P_1 - 2s^2 2p^3 ({}^2P) 3p {}^3D_2$	7.0	3.79e+03
Fe XX *	16.2084	$2s 2p^4 {}^2S_{1/2} - 2s^2 2p^2 ({}^3P) 3p {}^4D_{1/2}$	7.1	1.22e+03
Fe XVII	16.2392	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 3p {}^3P_2$	6.9	9.47e+03
Fe XIX	16.2721	$2s 2p^5 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3p {}^3P_2$	7.0	5.76e+04

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XVIII	16.2722	$2s^2 2p^5 {}^2P_{1/2} - 2s^2 2p^4 ({}^3P) 3s {}^2P_{3/2}$	6.9	6.50e+03
Fe XIX	16.2730	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3p {}^1F_3$	7.0	6.33e+03
Fe XVIII	16.3058	$2s 2p^6 {}^2S_{1/2} - 2s 2p^5 ({}^3P) 3s {}^4P_{3/2}$	6.9	3.51e+04
Fe XVII	16.3354	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 3p {}^3D_2$	6.9	1.36e+04
Fe XIX	16.3400	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3p {}^3D_3$	7.0	2.29e+04
Fe XIX *	16.3494	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3p {}^1P_1$	7.0	1.79e+03
Fe XIX *	16.3798	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3p {}^3F_3$	7.0	4.91e+03
Fe XIX *	16.3884	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3p {}^3D_2$	7.0	8.53e+03
Fe XIX *	16.3900	$2s 2p^5 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3p {}^3P_0$	7.0	4.70e+03
Fe XIX *	16.4398	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3p {}^3F_2$	7.0	1.75e+03
Fe XIX *	16.5008	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^2D) 3p {}^3D_1$	7.0	4.31e+03
Fe XIX *	16.5567	$2s 2p^5 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3p {}^3D_2$	7.0	2.85e+03
Fe XIX *	16.6714	$2s 2p^5 {}^3P_1 - 2s^2 2p^3 ({}^2D) 3p {}^3D_1$	7.0	1.51e+03
Fe XIX *	16.7136	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3p {}^3P_1$	7.0	7.76e+03
Fe XVII	16.7770	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 3s {}^3P_1$	7.2	5.23e+08
Fe XIX *	16.7782	$2s 2p^5 {}^1P_1 - 2s^2 2p^3 ({}^2P) 3p {}^1D_2$	7.0	1.83e+03
Fe XIX	16.7881	$2s 2p^5 {}^1P_1 - 2s^2 2p^3 ({}^2P) 3p {}^3P_0$	7.0	2.05e+03
Fe XIX *	16.8009	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3p {}^5P_3$	7.0	1.97e+04
Fe XIX *	16.8265	$2s 2p^5 {}^3P_1 - 2s^2 2p^3 ({}^4S) 3p {}^3P_2$	7.0	1.11e+04
Fe XIX *	16.8698	$2s 2p^5 {}^3P_2 - 2s^2 2p^3 ({}^4S) 3p {}^5P_1$	7.0	4.24e+03
Fe XIX *	17.0171	$2s 2p^5 {}^1P_1 - 2s^2 2p^3 ({}^2D) 3p {}^1D_2$	7.0	1.01e+04
Fe XIX *	17.0369	$2s 2p^5 {}^3P_1 - 2s^2 2p^3 ({}^4S) 3p {}^5P_2$	7.0	5.36e+03
Fe XIX *	17.0481	$2s 2p^5 {}^3P_1 - 2s^2 2p^3 ({}^4S) 3p {}^5P_1$	7.0	1.63e+03
Fe XVII	17.0500	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 3s {}^1P_1$	7.2	5.30e+08
Fe XVII	17.0970	$2s^2 2p^6 {}^1S_0 - 2s^2 2p^5 3s {}^3P_2$	7.2	8.84e+08
Fe XIX *	17.3528	$2s 2p^5 {}^1P_1 - 2s^2 2p^3 ({}^2D) 3p {}^1P_1$	7.0	2.22e+03
Fe XVIII *	17.3559	$2s 2p^6 {}^2S_{1/2} - 2s^2 2p^4 ({}^1S) 3p {}^2P_{3/2}$	6.9	1.05e+04
O VII	17.3960	$1s^2 {}^1S_0 - 1s 5p {}^1P_1$	6.8	1.38e+03
Fe XIX *	17.4547	$2s 2p^5 {}^1P_1 - 2s^2 2p^3 ({}^2D) 3p {}^3F_2$	7.0	3.38e+03
Fe XIX *	17.5235	$2s 2p^5 {}^1P_1 - 2s^2 2p^3 ({}^2D) 3p {}^3D_1$	7.0	1.49e+03
Fe XVIII *	17.5488	$2s 2p^6 {}^2S_{1/2} - 2s^2 2p^4 ({}^1D) 3p {}^2P_{1/2}$	6.9	5.76e+03
Fe XVIII	17.6218	$2s 2p^6 {}^2S_{1/2} - 2s^2 2p^4 ({}^1D) 3p {}^2P_{3/2}$	6.9	2.27e+05
Fe XIX *	17.6950	$2s 2p^5 {}^1P_1 - 2s^2 2p^3 ({}^4S) 3p {}^3P_2$	7.0	4.13e+03
Ar XVI	17.7370	$1s^2 2s {}^2S_{1/2} - 1s^2 4p {}^2P_{3/2}$	7.1	1.70e+03
O VII	17.7680	$1s^2 {}^1S_0 - 1s 4p {}^1P_1$	6.8	3.10e+03
Fe XVIII *	17.8034	$2s 2p^6 {}^2S_{1/2} - 2s^2 2p^4 ({}^1D) 3p {}^2D_{3/2}$	6.9	9.71e+03
Fe XVIII *	18.0358	$2s 2p^6 {}^2S_{1/2} - 2s^2 2p^4 ({}^3P) 3p {}^2D_{3/2}$	6.9	5.27e+03
Fe XVIII *	18.1070	$2s 2p^6 {}^2S_{1/2} - 2s^2 2p^4 ({}^3P) 3p {}^4S_{3/2}$	6.9	1.81e+04
Fe XVIII *	18.2205	$2s 2p^6 {}^2S_{1/2} - 2s^2 2p^4 ({}^3P) 3p {}^2P_{1/2}$	6.9	5.71e+03
Fe XVIII *	18.4222	$2s 2p^6 {}^2S_{1/2} - 2s^2 2p^4 ({}^3P) 3p {}^4P_{1/2}$	6.9	6.57e+03
Fe XVIII *	18.5259	$2s 2p^6 {}^2S_{1/2} - 2s^2 2p^4 ({}^3P) 3p {}^4P_{3/2}$	6.9	1.45e+04
O VII	18.6270	$1s^2 {}^1S_0 - 1s 3p {}^1P_1$	6.8	9.52e+03
Ar XVI	18.6309	$1s^2 2p {}^2P_{3/2} - 1s^2 4d {}^2D_{5/2}$	7.1	1.61e+03
Ca XVIII	18.6909	$1s^2 2s {}^2S_{1/2} - 1s^2 3p {}^2P_{3/2}$	7.1	2.21e+04
Ca XVIII	18.7319	$1s^2 2s {}^2S_{1/2} - 1s^2 3p {}^2P_{1/2}$	7.1	1.16e+04
O VIII	18.9671	$1s {}^2S_{1/2} - 2p {}^2P_{3/2}$	7.1	8.69e+05
O VIII	18.9726	$1s {}^2S_{1/2} - 2p {}^2P_{1/2}$	7.1	4.34e+05
N VII	19.3612	$1s {}^2S_{1/2} - 5p {}^2P_{3/2}$	7.1	1.45e+03
O VII d	19.4390	$1s 2p {}^1P_1 - 2p 2p {}^1D_2$	6.9	1.41e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Ca XVII	19.5580	$2s^2 1S_0 - 2s 3p 3P_1$	6.9	6.19e+03
Ca XVII	19.5580	$2s^2 1S_0 - 2s 3p 1P_1$	6.9	5.61e+03
Ca XVIII	19.6420	$1s^2 2p 2P_{1/2} - 1s^2 3d 2D_{3/2}$	7.1	1.51e+04
Ca XVIII	19.7892	$1s^2 2p 2P_{3/2} - 1s^2 3d 2D_{5/2}$	7.1	2.70e+04
Ca XVIII	19.8009	$1s^2 2p 2P_{3/2} - 1s^2 3d 2D_{3/2}$	7.1	2.98e+03
N VII	19.8257	$1s 2S_{1/2} - 4p 2P_{3/2}$	7.1	3.15e+03
N VII	19.8261	$1s 2S_{1/2} - 4p 2P_{1/2}$	7.1	1.57e+03
Ca XVIII	20.0532	$1s^2 2p 2P_{1/2} - 1s^2 3s 2S_{1/2}$	7.1	6.73e+03
Ca XVIII	20.2189	$1s^2 2p 2P_{3/2} - 1s^2 3s 2S_{1/2}$	7.1	1.39e+04
Ca XVII	20.4340	$2s 2p 3P_2 - 2s 3d 3D_3$	6.9	1.26e+03
Ca XVI *	20.6174	$2s^2 2p 2P_{1/2} - 2s 2p (3P) 3p 2D_{3/2}$	6.8	1.13e+03
S XV	20.6351	$1s 2s 3S_1 - 1s 4p 3P_2$	7.2	1.12e+03
S XIV *	20.6736	$1s^2 2s 2S_{1/2} - 1s^2 5p 2P_{3/2}$	7.1	2.62e+03
S XIV *	20.6778	$1s^2 2s 2S_{1/2} - 1s^2 5p 2P_{1/2}$	7.1	1.46e+03
N VII	20.9095	$1s 2S_{1/2} - 3p 2P_{3/2}$	7.1	9.18e+03
N VII	20.9106	$1s 2S_{1/2} - 3p 2P_{1/2}$	7.1	4.62e+03
Ca XVII	21.1560	$2s 2p 1P_1 - 2s 3d 1D_2$	6.9	1.53e+04
Fe XXIV *	21.3617	$1s^2 3s 2S_{1/2} - 1s^2 5p 2P_{1/2}$	7.3	1.50e+03
Fe XXIV	21.3813	$1s^2 3s 2S_{1/2} - 1s^2 5p 2P_{3/2}$	7.3	3.01e+03
Ca XVI	21.4501	$2s^2 2p 2P_{1/2} - 2s^2 3d 2D_{3/2}$	6.8	7.87e+03
O VII	21.6020	$1s^2 1S_0 - 1s 2p 1P_1$	6.8	6.05e+04
Ca XVI	21.6198	$2s^2 2p 2P_{3/2} - 2s^2 3d 2D_{3/2}$	6.8	1.54e+03
S XIV	21.6603	$1s^2 2p 2P_{1/2} - 1s^2 5d 2D_{3/2}$	7.1	1.20e+03
O VII	21.8071	$1s^2 1S_0 - 1s 2p 3P_1$	6.4	6.30e+03
Fe XXIV	21.8231	$1s^2 3p 2P_{1/2} - 1s^2 5d 2D_{3/2}$	7.2	1.37e+03
Fe XXIV	21.9868	$1s^2 3p 2P_{3/2} - 1s^2 5d 2D_{5/2}$	7.2	2.47e+03
O VII	22.1012	$1s^2 1S_0 - 1s 2s 3S_1$	6.4	2.31e+04
Ca XVI *	22.1372	$2s 2p^2 2D_{3/2} - 2s 2p (3P) 3d 2F_{5/2}$	6.8	1.70e+03
Ca XVII *	22.1467	$2s 2p 1P_1 - 2s 3s 1S_0$	6.9	8.81e+03
K XVII	22.1630	$1s^2 2p 2P_{3/2} - 1s^2 3d 2D_{5/2}$	7.1	1.26e+03
Fe XXIV *	22.1638	$1s^2 3d 2D_{3/2} - 1s^2 5f 2F_{5/2}$	7.2	3.16e+03
Fe XXIV	22.1811	$1s^2 3p 2P_{3/2} - 1s^2 5s 2S_{1/2}$	7.3	2.32e+03
Fe XXIV *	22.2166	$1s^2 3d 2D_{5/2} - 1s^2 5f 2F_{7/2}$	7.2	4.54e+03
Fe XXIII	22.6861	$2s 3s 1S_0 - 2s 5p 1P_1$	7.2	1.10e+03
Ca XV	22.7299	$2s^2 2p^2 3P_0 - 2s^2 2p 3d 3D_1$	6.8	5.97e+03
Ca XV	22.8210	$2s^2 2p^2 3P_1 - 2s^2 2p 3d 3D_1$	6.8	1.44e+03
S XIV	23.0052	$1s^2 2s 2S_{1/2} - 1s^2 4p 2P_{3/2}$	7.1	7.69e+03
S XIV	23.0151	$1s^2 2s 2S_{1/2} - 1s^2 4p 2P_{1/2}$	7.1	4.01e+03
Fe XXIII	23.0924	$2s 3p 1P_1 - 2s 5d 1D_2$	7.2	1.68e+03
Fe XXIII	23.5356	$2s 3p 1P_1 - 2s 5s 1S_0$	7.2	1.29e+03
Ar XVI	23.5461	$1s^2 2s 2S_{1/2} - 1s^2 3p 2P_{3/2}$	7.1	9.91e+03
Ca XVI *	23.5775	$2s 2p^2 2D_{3/2} - 2s 2p (3P) 3s 2P_{1/2}$	6.8	2.43e+03
Ar XVI	23.5905	$1s^2 2s 2S_{1/2} - 1s^2 3p 2P_{1/2}$	7.1	5.15e+03
Fe XXII *	23.7690	$2s^2 3s 2S_{1/2} - 2s^2 5p 2P_{1/2}$	7.1	2.05e+03
Ca XIV	24.0860	$2s^2 2p^3 4S_{3/2} - 2s^2 2p^2 (3P) 3d 4P_{3/2}$	6.7	1.78e+03
Ca XIV	24.1331	$2s^2 2p^3 4S_{3/2} - 2s^2 2p^2 (3P) 3d 4P_{5/2}$	6.7	2.34e+03
S XIV	24.2002	$1s^2 2p 2P_{1/2} - 1s^2 4d 2D_{3/2}$	7.1	3.97e+03
Fe XXIII *	24.2184	$2s 3d 1D_2 - 2s 5f 1F_3$	7.2	3.72e+03
S XIV	24.2850	$1s^2 2p 2P_{3/2} - 1s^2 4d 2D_{5/2}$	7.1	7.12e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
S XIV	24.4181	$1s^2 2p^2 P_{1/2} - 1s^2 4s^2 S_{1/2}$	7.1	1.61e+03
S XIV	24.5082	$1s^2 2p^2 P_{3/2} - 1s^2 4s^2 S_{1/2}$	7.1	3.26e+03
Fe XXII	24.5778	$2s^2 3p^2 P_{1/2} - 2s^2 5d^2 D_{3/2}$	7.2	2.51e+03
S XIII	24.5900	$2s^2 1S_0 - 2s 4p^1 P_1$	6.9	1.17e+03
Ar XV	24.7400	$2s^2 1S_0 - 2s 3p^3 P_1$	6.9	1.94e+03
N VII	24.7793	$1s^2 S_{1/2} - 2p^2 P_{3/2}$	7.1	5.68e+04
N VII	24.7847	$1s^2 S_{1/2} - 2p^2 P_{1/2}$	7.1	2.83e+04
Ar XVI	24.8545	$1s^2 2p^2 P_{1/2} - 1s^2 3d^2 D_{3/2}$	7.1	6.63e+03
Ar XVI	24.9910	$1s^2 2p^2 P_{3/2} - 1s^2 3d^2 D_{5/2}$	7.1	1.18e+04
Ar XVI	25.0135	$1s^2 2p^2 P_{3/2} - 1s^2 3d^2 D_{3/2}$	7.1	1.31e+03
Fe XXI *	25.0564	$2s^2 2p 3s^3 P_1 - 2s^2 2p 5p^3 P_0$	7.1	3.46e+03
Ar XVI	25.5165	$1s^2 2p^2 P_{1/2} - 1s^2 3s^2 S_{1/2}$	7.1	2.98e+03
S XVI	25.6594	$2p^2 P_{3/2} - 3s^2 S_{1/2}$	7.3	1.41e+03
Ar XVI	25.6841	$1s^2 2p^2 P_{3/2} - 1s^2 3s^2 S_{1/2}$	7.1	6.06e+03
Fe XXII *	25.7668	$2s^2 3d^2 D_{3/2} - 2s^2 5f^2 F_{5/2}$	7.2	1.66e+03
Fe XXI *	25.9152	$2s^2 2p 3p^3 D_1 - 2s^2 2p 5d^3 D_1$	7.1	1.22e+03
C VI	26.3573	$1s^2 S_{1/2} - 5p^2 P_{3/2}$	7.1	2.48e+03
C VI	26.3575	$1s^2 S_{1/2} - 5p^2 P_{1/2}$	7.1	1.24e+03
Fe XXI	26.6734	$2s^2 2p 3p^3 P_0 - 2s^2 2p 5d^3 D_1$	7.1	1.98e+03
S XIII	26.9792	$2s 2p^1 P_1 - 2s 4d^1 D_2$	6.9	1.16e+03
C VI	26.9897	$1s^2 S_{1/2} - 4p^2 P_{3/2}$	7.1	5.33e+03
C VI	26.9901	$1s^2 S_{1/2} - 4p^2 P_{1/2}$	7.1	2.66e+03
Ar XV	27.0432	$2s 2p^1 P_1 - 2s 3d^1 D_2$	6.8	3.82e+03
Si XIII	27.3412	$1s 2s^3 S_1 - 1s 4p^3 P_2$	7.1	1.81e+03
Ar XIV	27.4640	$2s^2 2p^2 P_{1/2} - 2s^2 3d^2 D_{3/2}$	6.7	1.39e+03
S XV	27.5304	$1s 2s^3 S_1 - 1s 3p^3 P_2$	7.2	2.62e+03
S XV	27.5598	$1s 2s^3 S_1 - 1s 3p^3 P_1$	7.2	1.38e+03
Si XII	27.8968	$1s^2 2s^2 S_{1/2} - 1s^2 5p^2 P_{3/2}$	7.0	2.19e+03
Si XII	27.9007	$1s^2 2s^2 S_{1/2} - 1s^2 5p^2 P_{1/2}$	7.0	1.11e+03
Ar XV	28.3464	$2s 2p^1 P_1 - 2s 3s^1 S_0$	6.8	2.21e+03
C VI	28.4652	$1s^2 S_{1/2} - 3p^2 P_{3/2}$	7.1	1.50e+04
C VI	28.4664	$1s^2 S_{1/2} - 3p^2 P_{1/2}$	7.1	7.52e+03
N VI	28.7871	$1s^2 1S_0 - 1s 2p^1 P_1$	6.3	1.91e+03
S XV	29.0480	$1s 2p^3 P_2 - 1s 3s^3 S_1$	7.2	1.09e+03
Fe XVII *	29.5177	$2s^2 2p^5 3s^1 P_1 - 2s^2 2p^5 6p^1 S_0$	6.9	2.54e+03
Fe XVII *	29.5274	$2s^2 2p^5 3s^3 P_1 - 2s^2 2p^5 6p^3 P_0$	6.9	1.70e+03
S XV	29.5439	$1s 2p^1 P_1 - 1s 3s^1 S_0$	7.2	2.07e+03
S XIV	30.4271	$1s^2 2s^2 S_{1/2} - 1s^2 3p^2 P_{3/2}$	7.1	4.39e+04
Ca XI	30.4480	$2p^6 1S_0 - 2p^5 3d^1 P_1$	6.4	1.20e+03
S XIV	30.4691	$1s^2 2s^2 S_{1/2} - 1s^2 3p^2 P_{1/2}$	7.1	2.26e+04
Fe XXIV	30.7400	$1s^2 3s^2 S_{1/2} - 1s^2 4p^2 P_{3/2}$	7.3	6.10e+03
Fe XXIV	30.8738	$1s^2 3s^2 S_{1/2} - 1s^2 4p^2 P_{1/2}$	7.3	3.18e+03
Si XII	31.0121	$1s^2 2s^2 S_{1/2} - 1s^2 4p^2 P_{3/2}$	7.0	6.31e+03
Si XII	31.0227	$1s^2 2s^2 S_{1/2} - 1s^2 4p^2 P_{1/2}$	7.0	3.27e+03
Fe XIX *	31.0330	$2s^2 2p^3 (^4S) 3p^3 P_2 - 2s^2 2p^3 (^4S) 5d^3 D_3$	7.0	1.19e+03
Fe XVIII *	31.4008	$2s^2 2p^4 (^3P) 3s^2 P_{3/2} - 2s^2 2p^4 (^3P) 5p^2 P_{3/2}$	6.9	3.63e+03
Fe XVIII *	31.5931	$2s^2 2p^4 (^3P) 3s^2 P_{1/2} - 2s^2 2p^4 (^3P) 5p^2 D_{3/2}$	6.9	1.61e+03
Fe XXIV	31.6396	$1s^2 3p^2 P_{1/2} - 1s^2 4d^2 D_{3/2}$	7.2	3.31e+03
Fe XXIII *	31.9470	$2s 3s^3 S_1 - 2s 4p^3 P_2$	7.2	1.96e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XXIV	31.9683	$1s^2 3p^2 P_{3/2} - 1s^2 4d^2 D_{5/2}$	7.2	5.99e+03
Fe XXIII	32.1203	$2s 3s^3 S_1 - 2s 4p^3 P_1$	7.2	2.43e+03
S XIII	32.1911	$2s^2 1S_0 - 2s 3p^3 P_1$	6.9	1.39e+03
S XIII	32.2391	$2s^2 1S_0 - 2s 3p^1 P_1$	6.9	5.26e+03
Fe XXIV	32.3771	$1s^2 3d^2 D_{3/2} - 1s^2 4f^2 F_{5/2}$	7.2	7.23e+03
S XIV	32.4161	$1s^2 2p^2 P_{1/2} - 1s^2 3d^2 D_{3/2}$	7.1	2.85e+04
Fe XXIV	32.4381	$1s^2 3p^2 P_{1/2} - 1s^2 4s^2 S_{1/2}$	7.2	2.76e+03
Fe XXIV	32.4781	$1s^2 3d^2 D_{5/2} - 1s^2 4f^2 F_{7/2}$	7.2	1.03e+04
S XIV	32.5601	$1s^2 2p^2 P_{3/2} - 1s^2 3d^2 D_{5/2}$	7.1	5.09e+04
S XIV	32.5751	$1s^2 2p^2 P_{3/2} - 1s^2 3d^2 D_{3/2}$	7.1	5.64e+03
Fe XXIII	32.5871	$2s 3s^1 S_0 - 2s 4p^1 P_1$	7.2	3.12e+03
Fe XXIV	32.8526	$1s^2 3p^2 P_{3/2} - 1s^2 4s^2 S_{1/2}$	7.2	5.85e+03
Si XII	32.8879	$1s^2 2p^2 P_{1/2} - 1s^2 4d^2 D_{3/2}$	7.0	3.21e+03
Si XII	32.9733	$1s^2 2p^2 P_{3/2} - 1s^2 4d^2 D_{5/2}$	7.0	5.77e+03
Fe XXIII	33.0914	$2s 3p^3 P_1 - 2s 4d^1 D_2$	7.2	1.88e+03
Si XII	33.2222	$1s^2 2p^2 P_{1/2} - 1s^2 4s^2 S_{1/2}$	7.0	1.30e+03
Si XIV	33.3023	$2p^2 P_{1/2} - 3d^2 D_{3/2}$	7.2	1.28e+03
Si XIV	33.3081	$2s^2 S_{1/2} - 3p^2 P_{3/2}$	7.2	2.10e+03
Si XII	33.3127	$1s^2 2p^2 P_{3/2} - 1s^2 4s^2 S_{1/2}$	7.0	2.63e+03
Si XIV	33.3470	$2p^2 P_{1/2} - 3s^2 S_{1/2}$	7.2	1.68e+03
S XIV	33.3809	$1s^2 2p^2 P_{1/2} - 1s^2 3s^2 S_{1/2}$	7.1	1.27e+04
Fe XXIII	33.4393	$2s 3p^1 P_1 - 2s 4d^1 D_2$	7.2	4.93e+03
Si XIV	33.4445	$2p^2 P_{3/2} - 3d^2 D_{5/2}$	7.2	2.29e+03
Si XIV	33.5052	$2p^2 P_{3/2} - 3s^2 S_{1/2}$	7.2	3.31e+03
S XIV	33.5496	$1s^2 2p^2 P_{3/2} - 1s^2 3s^2 S_{1/2}$	7.1	2.58e+04
Fe XVII *	33.6274	$2s^2 2p^5 3s^1 P_1 - 2s^2 2p^5 5p^1 S_0$	6.9	4.13e+03
Fe XVII *	33.6803	$2s^2 2p^5 3s^3 P_1 - 2s^2 2p^5 5p^3 P_0$	6.9	3.06e+03
Fe XXII *	33.7066	$2s^2 3s^2 S_{1/2} - 2s^2 4p^2 P_{3/2}$	7.1	2.35e+03
C VI	33.7342	$1s^2 S_{1/2} - 2p^2 P_{3/2}$	7.1	9.71e+04
C VI	33.7396	$1s^2 S_{1/2} - 2p^2 P_{1/2}$	7.1	5.41e+04
Fe XXII *	33.8655	$2s^2 3s^2 S_{1/2} - 2s^2 4p^2 P_{1/2}$	7.1	5.55e+03
Fe XXIII	34.4266	$2s 3p^3 P_1 - 2s 4s^1 S_0$	7.2	2.86e+03
Fe XXIII *	34.4570	$2s 3d^3 D_2 - 2s 4f^3 F_3$	7.2	1.73e+03
Fe XXIII *	34.5310	$2s 3d^3 D_3 - 2s 4f^3 F_4$	7.2	2.10e+03
Fe XXIII	34.8033	$2s 3p^1 P_1 - 2s 4s^1 S_0$	7.2	5.27e+03
Fe XXII	35.1173	$2s^2 3p^2 P_{1/2} - 2s^2 4d^2 D_{3/2}$	7.1	5.55e+03
Fe XXIII *	35.2503	$2s 3d^1 D_2 - 2s 4f^1 F_3$	7.2	1.04e+04
Fe XXII	35.3050	$2s 2p^3 P^3 3p^2 P_{1/2} - 2s 2p^3 P^3 4d^2 D_{3/2}$	7.2	1.11e+03
Fe XXII	35.5372	$2s^2 3p^2 P_{3/2} - 2s^2 4d^2 D_{3/2}$	7.1	1.10e+03
Fe XXII	35.6308	$2s 2p^3 P^3 3p^4 S_{3/2} - 2s 2p^3 P^3 4d^2 F_{5/2}$	7.2	1.38e+03
Fe XXI *	35.6813	$2s^2 2p 3s^3 P_1 - 2s^2 2p 4p^3 P_0$	7.1	9.78e+03
Fe XXI *	35.7197	$2s^2 2p 3s^3 P_1 - 2s^2 2p 4p^3 D_2$	7.1	2.64e+03
S XII	36.3981	$2s^2 2p^2 P_{1/2} - 2s^2 3d^2 D_{3/2}$	6.4	2.24e+03
Si XIII	36.4333	$1s 2s^3 S_1 - 1s 3p^3 P_2$	7.1	5.40e+03
Si XIII	36.4615	$1s 2s^3 S_1 - 1s 3p^3 P_1$	7.1	2.18e+03
Fe XVII *	36.4849	$2s^2 2p^5 3p^3 D_3 - 2s^2 2p^5 5d^3 F_4$	6.9	1.58e+03
Fe XVII *	36.5703	$2s^2 2p^5 3p^3 P_1 - 2s^2 2p^5 5d^3 P_2$	6.9	1.08e+03
S XIII	36.7011	$2s 2p^1 P_1 - 2s 3d^1 D_2$	6.9	8.38e+03
Fe XVI	36.7490	$3s^2 S_{1/2} - 5p^2 P_{3/2}$	6.8	2.65e+03



Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Fe XVII *	36.7834	$2s 2p^6 3p \ ^1P_1 - 2s 2p^6 5d \ ^1D_2$	6.9	2.30e+03
Fe XVI	36.8030	$3s \ ^2S_{1/2} - 5p \ ^2P_{1/2}$	6.8	1.42e+03
Fe XXI *	36.8529	$2s^2 2p 3p \ ^3D_1 - 2s^2 2p 4d \ ^3D_1$	7.1	2.48e+03
Fe XXI *	37.1525	$2s^2 2p 3p \ ^3D_1 - 2s^2 2p 4d \ ^3F_2$	7.1	1.28e+03
Fe XXII *	37.2715	$2s^2 3d \ ^2D_{3/2} - 2s^2 4f \ ^2F_{5/2}$	7.2	3.46e+03
Fe XXII	37.2968	$2s 2p \ (^3P) 3p \ ^2P_{1/2} - 2s 2p \ (^3P) 4s \ ^2P_{1/2}$	7.1	1.09e+03
Fe XXII *	37.3821	$2s^2 3d \ ^2D_{5/2} - 2s^2 4f \ ^2F_{7/2}$	7.1	1.29e+03
S XIII *	37.7194	$2s 2p \ ^1P_1 - 2s 3s \ ^1S_0$	6.9	4.96e+03
Fe XXI	37.9005	$2s^2 2p 3p \ ^3P_0 - 2s^2 2p 4d \ ^3D_1$	7.1	4.29e+03
Fe XXII	37.9856	$2s 2p \ (^3P) 3p \ ^4S_{3/2} - 2s 2p \ (^3P) 4s \ ^2P_{1/2}$	7.1	1.51e+03
Ni XIX *	38.0891	$2p^5 3s \ ^1P_1 - 2p^5 4p \ ^1S_0$	7.0	1.25e+03
Fe XVII *	38.4692	$2s 2p^6 3p \ ^1P_1 - 2s 2p^6 5s \ ^1S_0$	6.9	1.25e+03
Si XIII	38.6393	$1s 2p \ ^3P_2 - 1s 3s \ ^3S_1$	7.1	1.41e+03
Si XIII	39.4147	$1s 2p \ ^1P_1 - 1s 3s \ ^1S_0$	7.1	3.31e+03
Fe XVI	39.8270	$3p \ ^2P_{1/2} - 5d \ ^2D_{3/2}$	6.8	2.38e+03
Fe XVI	40.1530	$3p \ ^2P_{3/2} - 5d \ ^2D_{5/2}$	6.8	4.24e+03
C V	40.2679	$1s^2 \ ^1S_0 - 1s 2p \ ^1P_1$	6.0	1.95e+03
Fe XIX *	40.3829	$2s^2 2p^3 \ (^2D) 3s \ ^3D_3 - 2s^2 2p^3 \ (^2D) 4p \ ^3P_2$	7.0	9.30e+03
Fe XIX *	40.3887	$2s^2 2p^3 \ (^4S) 3s \ ^5S_2 - 2s^2 2p^3 \ (^4S) 4p \ ^5P_3$	7.0	1.26e+03
Fe XIX *	40.5291	$2s^2 2p^3 \ (^2D) 3s \ ^3D_3 - 2s^2 2p^3 \ (^2D) 4p \ ^3F_4$	7.0	1.07e+03
Fe XIX *	40.5711	$2s^2 2p^3 \ (^2D) 3s \ ^3D_2 - 2s^2 2p^3 \ (^2D) 4p \ ^3D_2$	7.0	1.50e+03
Fe XXI	40.7660	$2s 2p^2 \ (^4P) 3p \ ^5P_1 - 2s 2p^2 \ (^4P) 4s \ ^3P_0$	7.1	1.40e+03
Fe XXI *	40.8151	$2s^2 2p 3d \ ^3D_1 - 2s^2 2p 4f \ ^3F_2$	7.1	3.47e+03
Fe XIX *	40.8840	$2s^2 2p^3 \ (^4S) 3s \ ^3S_1 - 2s^2 2p^3 \ (^4S) 4p \ ^3P_2$	7.0	5.46e+03
Si XII	40.9111	$1s^2 2s \ ^2S_{1/2} - 1s^2 3p \ ^2P_{3/2}$	7.0	3.53e+04
Si XII	40.9511	$1s^2 2s \ ^2S_{1/2} - 1s^2 3p \ ^2P_{1/2}$	7.0	1.81e+04
Ni XVIII	41.0160	$3s \ ^2S_{1/2} - 4p \ ^2P_{3/2}$	6.9	1.62e+03
Fe XXI *	41.4115	$2s 2p^2 \ (^4P) 3d \ ^3P_2 - 2s 2p^2 \ (^4P) 4f \ ^3D_3$	7.1	2.05e+03
Fe XVI	41.9320	$3p \ ^2P_{1/2} - 5s \ ^2S_{1/2}$	6.8	2.65e+03
Fe XVI	42.3040	$3p \ ^2P_{3/2} - 5s \ ^2S_{1/2}$	6.8	5.43e+03
Fe XIX *	42.7669	$2s^2 2p^3 \ (^2D) 3p \ ^3F_2 - 2s^2 2p^3 \ (^2D) 4d \ ^3F_3$	7.0	1.32e+03
Fe XXI *	42.9185	$2s^2 2p 3d \ ^3D_1 - 2s^2 2p 4p \ ^3P_0$	7.1	1.49e+03
Fe XIX *	43.0797	$2s^2 2p^3 \ (^4S) 3p \ ^5P_3 - 2s^2 2p^3 \ (^4S) 4d \ ^5D_4$	7.0	1.94e+03
Fe XVIII *	43.2556	$2s^2 2p^4 \ (^3P) 3s \ ^2P_{3/2} - 2s^2 2p^4 \ (^3P) 4p \ ^2P_{3/2}$	6.9	6.39e+03
Fe XVIII *	43.2760	$2s^2 2p^4 \ (^3P) 3s \ ^4P_{5/2} - 2s^2 2p^4 \ (^3P) 4p \ ^4D_{7/2}$	6.9	1.70e+03
Fe XVIII *	43.2948	$2s^2 2p^4 \ (^1D) 3s \ ^2D_{5/2} - 2s^2 2p^4 \ (^1D) 4p \ ^2P_{3/2}$	6.9	6.33e+03
Fe XVIII *	43.3372	$2s^2 2p^4 \ (^3P) 3s \ ^4P_{1/2} - 2s^2 2p^4 \ (^3P) 4p \ ^4D_{3/2}$	6.9	1.74e+03
Fe XVIII *	43.3621	$2s^2 2p^4 \ (^3P) 3s \ ^4P_{3/2} - 2s^2 2p^4 \ (^3P) 4p \ ^4S_{3/2}$	6.9	2.28e+03
Fe XVIII *	43.3656	$2s^2 2p^4 \ (^1D) 3s \ ^2D_{3/2} - 2s^2 2p^4 \ (^1D) 4p \ ^2P_{3/2}$	6.9	1.76e+03
Fe XIX *	43.4415	$2s^2 2p^3 \ (^4S) 3p \ ^3P_2 - 2s^2 2p^3 \ (^4S) 4d \ ^3D_3$	7.0	2.42e+03
Fe XIX *	43.4466	$2s 2p^4 \ (^4P) 3p \ ^3D_3 - 2s 2p^4 \ (^4P) 4d \ ^3F_4$	7.0	2.52e+03
Fe XVIII *	43.4652	$2s^2 2p^4 \ (^3P) 3s \ ^4P_{5/2} - 2s^2 2p^4 \ (^3P) 4p \ ^4P_{5/2}$	6.9	1.46e+03
Fe XVIII *	43.4967	$2s^2 2p^4 \ (^1D) 3s \ ^2D_{5/2} - 2s^2 2p^4 \ (^1D) 4p \ ^2F_{7/2}$	6.9	1.18e+03
Si XI	43.7501	$2s^2 \ ^1S_0 - 2s 3p \ ^1P_1$	6.9	2.44e+03
Fe XVIII *	43.7794	$2s^2 2p^4 \ (^3P) 3s \ ^2P_{1/2} - 2s^2 2p^4 \ (^3P) 4p \ ^2D_{3/2}$	6.9	3.12e+03
Fe XVIII *	43.7879	$2s^2 2p^4 \ (^3P) 3s \ ^2P_{3/2} - 2s^2 2p^4 \ (^3P) 4p \ ^2D_{5/2}$	6.9	1.53e+03
Ni XVIII	43.8130	$3p \ ^2P_{1/2} - 4d \ ^2D_{3/2}$	6.9	1.27e+03
Si XII	44.0194	$1s^2 2p \ ^2P_{1/2} - 1s^2 3d \ ^2D_{3/2}$	7.0	2.23e+04
Mg X	44.0500	$1s^2 2s \ ^2S_{1/2} - 1s^2 4p \ ^2P_{3/2}$	6.9	1.34e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Si XII	44.1650	$1s^2 2p^2 P_{3/2} - 1s^2 3d^2 D_{5/2}$	7.0	4.01e+04
Si XII	44.1784	$1s^2 2p^2 P_{3/2} - 1s^2 3d^2 D_{3/2}$	7.0	4.44e+03
Ni XVIII	44.3650	$3p^2 P_{3/2} - 4d^2 D_{5/2}$	6.9	2.24e+03
Mg XII	45.3972	$2s^2 S_{1/2} - 3p^2 P_{3/2}$	7.1	1.66e+03
Mg XII	45.4356	$2p^2 P_{1/2} - 3s^2 S_{1/2}$	7.1	1.34e+03
Si XII	45.5207	$1s^2 2p^2 P_{1/2} - 1s^2 3s^2 S_{1/2}$	7.0	9.98e+03
Mg XII	45.5331	$2p^2 P_{3/2} - 3d^2 D_{5/2}$	7.1	1.64e+03
Mg XII	45.5936	$2p^2 P_{3/2} - 3s^2 S_{1/2}$	7.1	2.65e+03
Si XII	45.6907	$1s^2 2p^2 P_{3/2} - 1s^2 3s^2 S_{1/2}$	7.0	2.02e+04
Fe XVIII *	45.9076	$2s^2 2p^4 (^3P) 3p^4 P_{5/2} - 2s^2 2p^4 (^3P) 4d^4 D_{7/2}$	6.9	1.48e+03
Fe XVIII *	45.9103	$2s^2 2p^4 (^3P) 3p^4 P_{5/2} - 2s^2 2p^4 (^3P) 4d^4 D_{5/2}$	6.9	1.14e+03
Fe XV *	46.2770	$3s 3p^1 P_1 - 3s 5s^1 S_0$	6.7	1.22e+03
Fe XVIII *	46.3978	$2s^2 2p^4 (^3P) 3p^2 D_{5/2} - 2s^2 2p^4 (^3P) 4d^2 F_{7/2}$	6.9	1.65e+03
Fe XVII *	46.4053	$2s^2 2p^5 3s^1 P_1 - 2s^2 2p^5 4p^3 P_0$	6.9	7.28e+03
Fe XVIII *	46.4508	$2s^2 2p^4 (^3P) 3p^4 D_{7/2} - 2s^2 2p^4 (^3P) 4d^4 F_{9/2}$	6.9	2.09e+03
Fe XVIII *	46.4530	$2s^2 2p^4 (^3P) 3p^4 D_{5/2} - 2s^2 2p^4 (^3P) 4d^4 F_{7/2}$	6.9	1.14e+03
Fe XVIII *	46.4720	$2s^2 2p^4 (^1D) 3p^2 F_{7/2} - 2s^2 2p^4 (^1D) 4d^2 G_{9/2}$	6.9	1.24e+03
Fe XVII *	46.4913	$2s^2 2p^5 3s^3 P_1 - 2s^2 2p^5 4p^1 S_0$	6.9	1.31e+04
Fe XVIII *	46.6165	$2s^2 2p^4 (^1S) 3p^2 P_{3/2} - 2s^2 2p^4 (^1S) 4d^2 D_{5/2}$	6.9	1.11e+03
Fe XVI	46.6610	$3d^2 D_{3/2} - 5f^2 F_{5/2}$	6.8	2.24e+03
Fe XVI	46.7180	$3d^2 D_{5/2} - 5f^2 F_{7/2}$	6.8	3.20e+03
Fe XVIII *	46.8568	$2s 2p^5 (^3P) 3p^4 P_{5/2} - 2s 2p^5 (^3P) 4d^4 D_{7/2}$	6.9	1.11e+03
Fe XVII *	46.8900	$2s^2 2p^5 3s^3 P_2 - 2s^2 2p^5 4p^3 D_3$	6.9	2.37e+03
Fe XVII *	47.0126	$2s^2 2p^5 3s^3 P_1 - 2s^2 2p^5 4p^3 D_2$	6.9	1.88e+03
Fe XVIII *	47.0164	$2s 2p^5 (^3P) 3p^2 D_{5/2} - 2s 2p^5 (^3P) 4d^2 F_{7/2}$	6.9	1.87e+03
Fe XVIII *	47.0776	$2s^2 2p^4 (^3P) 3p^4 D_{3/2} - 2s^2 2p^4 (^3P) 4d^2 F_{5/2}$	6.9	1.10e+03
Fe XVII *	47.1611	$2s^2 2p^5 3s^3 P_2 - 2s^2 2p^5 4p^3 S_1$	6.9	1.72e+03
Fe XVII *	47.1707	$2s^2 2p^5 3s^1 P_1 - 2s^2 2p^5 4p^1 P_1$	6.9	1.10e+03
Mg X	47.3103	$1s^2 2p^2 P_{3/2} - 1s^2 4d^2 D_{5/2}$	6.8	1.23e+03
Fe XVII *	47.3544	$2s^2 2p^5 3s^1 P_1 - 2s^2 2p^5 4p^1 D_2$	6.9	1.08e+03
Al XI	48.2971	$1s^2 2s^2 S_{1/2} - 1s^2 3p^2 P_{3/2}$	6.9	1.19e+03
Si XI	49.1811	$2s 2p^1 P_1 - 2s 3d^1 D_2$	6.3	3.59e+03
Fe XVII	49.4436	$2s^2 2p^5 3p^3 S_1 - 2s^2 2p^5 4d^3 P_1$	6.9	1.91e+03
Fe XVII *	49.5481	$2s^2 2p^5 3p^3 S_1 - 2s^2 2p^5 4d^3 P_2$	6.9	1.09e+03
Fe XVII	49.7586	$2s^2 2p^5 3p^1 P_1 - 2s^2 2p^5 4d^3 D_1$	6.9	1.38e+03
Fe XVII	49.8801	$2s^2 2p^5 3p^3 D_2 - 2s^2 2p^5 4d^1 F_3$	6.9	2.24e+03