Predicted XUV Line Intensities
CHIANTI database - Version 10.1

Calculated with Constant pressure= 1.00e+16 (cm^{-3} K)
1.3 to 49.9 Å
Number of lines: 2159
Minimum intensity = 1160.00
Units are: erg cm-2 sr-1 s-1
Lines marked with a "s" are satellite lines from autoionizing levels.
Lines marked with a * do not have observed energy levels
and have approximate wavelengths.
Calculated: Mon Jun 26 10:29:16 2023

Ionization Fractions file: `chianti.ioneq`
ionization equilibrium: CHIANTI
produced as part of the CHIANTI atomic data base collaboration
Created on Tue May 30 16:53:01 2023
comment:
Prepared for the release of CHIANTI 10.1.

Elemental Abundance file: `sun_photospheric_2015_scott.abund`
created for the CHIANTI atomic database by Peter Young, 16-Aug-2017
abundances (F to Ca):
Scott et al., 2015, A&A, 573, A25
DOI: 10.1051/0004-6361/201424109
abundances (Sc to Ni):
Scott et al., 2015, A&A, 573, A26
DOI: 10.1051/0004-6361/201424110
abundances (Cu & Zn):
Grevesse et al., 2015, A&A, 573, A27
DOI: 10.1051/0004-6361/201424111
abundances (other elements):
Asplund, M., Grevesse, N., Sauval, A.J., & Scott, P. 2009, ARAA, 47, 481
DOI: 10.1146/annurev.astro.46.060407.145222
comment:
This updates the Asplund et al. (2009) results for elements F and higher. The changes
are mostly small.

Minimum abundance = 3.63078e-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

Calculation performed with population lookup tables.

Table 1: *Line List*

Ion	λ (Å)	Transition	T_{max}	Int
Ni XXVII	1.2825	$1s^2\ ^1S_0$ - 1s 4p $^1P_1$	8.00	1.97e+03
Ni XXVII	1.3501	$1s^2\ ^1S_0$ - 1s 3p $^1P_1$	8.00	5.92e+03
Fe XXVI	1.3917	1s $^2S_{1/2}$ - 5p $^2P_{3/2}$	8.00	4.76e+03
Fe XXVI	1.3919	1s $^2S_{1/2}$ - 5p $^2P_{1/2}$	8.00	2.61e+03
Fe XXVI	1.4249	1s $^2S_{1/2}$ - 4p $^2P_{3/2}$	8.00	1.05e+04
Fe XXVI	1.4253	1s $^2S_{1/2}$ - 4p $^2P_{1/2}$	8.00	5.80e+03
Fe XXV *	1.4431	$1s^2\ ^1S_0$ - 1s 6p $^1P_1$	7.90	1.29e+03
Fe XXV	1.4608	$1s^2\ ^1S_0$ - 1s 5p $^1P_1$	7.85	2.05e+04
Fe XXV	1.4612	$1s^2\ ^1S_0$ - 1s 5p $^3P_1$	7.85	3.08e+03
Fe XXIV s *	1.4682	$1s^2$ 2p $^2P_{3/2}$ - 1s 2p (^{3}P) 6p $^2D_{5/2}$	7.60	1.64e+03
Fe XXIV s *	1.4853	$1s^2$ 2p $^2P_{3/2}$ - 1s 2p (^{3}P) 5p $^2D_{5/2}$	7.60	3.11e+03
Fe XXV	1.4946	$1s^2\ ^1S_0$ - 1s 4p $^1P_1$	7.85	4.52e+04
Fe XXV	1.4953	$1s^2\ ^1S_0$ - 1s 4p $^3P_1$	7.85	6.96e+03
Fe XXVI	1.5023	1s $^2S_{1/2}$ - 3p $^2P_{3/2}$	8.00	3.15e+04
Fe XXVI	1.5035	1s $^2S_{1/2}$ - 3p $^2P_{1/2}$	8.00	1.75e+04
Fe XXIV s *	1.5096	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{1}S) 4p $^2P_{3/2}$	7.60	2.40e+03
Fe XXIV s *	1.5148	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 4p $^2P_{1/2}$	7.65	1.51e+03
Fe XXIV s *	1.5149	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 4p $^2P_{3/2}$	7.65	2.80e+03
Fe XXIV s *	1.5177	$1s^2$ 2p $^2P_{1/2}$ - 1s 2p (^{3}P) 4p $^2D_{3/2}$	7.60	1.47e+03
Fe XXIV s *	1.5179	$1s^2$ 2p $^2P_{3/2}$ - 1s 2p (^{3}P) 4p $^2D_{5/2}$	7.60	7.00e+03
Ni XXVIII	1.5303	1s $^2S_{1/2}$ - 2p $^2P_{3/2}$	8.00	6.01e+03
Ni XXVIII	1.5358	1s $^2S_{1/2}$ - 2p $^2P_{1/2}$	8.00	3.01e+03
Fe XXV	1.5732	$1s^2\ ^1S_0$ - 1s 3p $^1P_1$	7.85	1.35e+05
Fe XXV	1.5750	$1s^2\ ^1S_0$ - 1s 3p $^3P_1$	7.80	2.15e+04
Fe XXIV s *	1.5860	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{1}S) 3p $^2P_{3/2}$	7.60	5.00e+03
Fe XXIV s *	1.5870	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{1}S) 3p $^2P_{1/2}$	7.65	2.59e+03
Ni XXVII	1.5884	$1s^2\ ^1S_0$ - 1s 2p $^1P_1$	7.95	3.77e+04
Fe XXIV s *	1.5912	$1s^2$ 2p $^2P_{3/2}$ - 1s 2p (^{1}P) 3p $^2D_{5/2}$	7.55	1.19e+03
Fe XXIV s *	1.5917	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 3p $^2P_{3/2}$	7.60	4.56e+03
Fe XXIV s *	1.5917	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 3p $^2P_{1/2}$	7.65	2.72e+03
Ni XXVII	1.5923	$1s^2\ ^1S_0$ - 1s 2p $^3P_2$	7.85	7.66e+03
Fe XXIV s *	1.5928	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 3p $^4P_{3/2}$	7.60	2.48e+03
Fe XXIV s *	1.5934	$1s^2$ 2p $^2P_{3/2}$ - 1s 2p (^{3}P) 3p $^2D_{5/2}$	7.55	1.51e+04
Fe XXIV s *	1.5936	$1s^2$ 2p $^2P_{1/2}$ - 1s 2p (^{3}P) 3p $^2D_{3/2}$	7.55	1.60e+03
Ni XXVI s	1.5939	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 2p $^2P_{1/2}$	7.65	1.80e+03
Fe XXIV s *	1.5952	$1s^2$ 2p $^2P_{3/2}$ - 1s 2p (^{3}P) 3p $^4P_{5/2}$	7.55	2.01e+03
Ni XXVII	1.5966	$1s^2\ ^1S_0$ - 1s 2p $^3P_1$	7.90	8.92e+03
Ni XXVI s	1.5970	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 2p $^2P_{3/2}$	7.70	4.16e+03
Ni XXVI s	1.5977	$1s^2$ 2p $^2P_{3/2}$ - 1s $2p^2$ (^{3}P) $^2P_{3/2}$	7.60	1.26e+03
Ni XXVI s	1.5985	$1s^2$ 2p $^2P_{1/2}$ - 1s $2p^2$ (^{1}D) $^2D_{3/2}$	7.60	3.02e+03
Ni XXVI s	1.5998	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{1}S) 2p $^2P_{1/2}$	7.65	1.84e+03
Ni XXVI s	1.6010	$1s^2$ 2p $^2P_{3/2}$ - 1s $2p^2$ (^{1}D) $^2D_{5/2}$	7.60	4.61e+03
Ni XXVII	1.6036	$1s^2\ ^1S_0$ - 1s 2s $^3S_1$	7.90	1.17e+04
Fe XXVI	1.7780	1s $^2S_{1/2}$ - 2p $^2P_{3/2}$	8.00	1.88e+05
Fe XXV s *	1.7793	1s 3s $^1S_0$ - 2p 3s $^1P_1$	7.95	1.77e+03
Fe XXV s *	1.7794	1s 3p $^1P_1$ - 2p 3p $^1D_2$	7.95	3.17e+03
Fe XXVI	1.7833	1s $^2S_{1/2}$ - 2s $^2S_{1/2}$	8.00	6.20e+03
Fe XXVI	1.7834	1s $^2S_{1/2}$ - 2p $^2P_{1/2}$	8.00	1.04e+05
Fe XXV s *	1.7872	1s 2s $^1S_0$ - 2s 2p $^1P_1$	7.90	6.53e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXV s *	1.7873	1s 2p $^3P_2$ - 2p^2 $^1D_2$	7.90	3.53e+03
Fe XXV s *	1.7881	1s 2s $^3S_1$ - 2s 2p $^3P_2$	7.95	1.40e+03
Fe XXV s *	1.7887	1s 2p $^3P_1$ - 2p^2 $^3P_2$	7.90	2.67e+03
Fe XXV s *	1.7921	1s 2p $^1P_1$ - 2p^2 $^1D_2$	7.90	1.27e+04
Fe XXV s *	1.7922	1s 2s $^3S_1$ - 2s 2p $^3P_1$	7.95	1.18e+03
Fe XXV s *	1.7925	1s 2p $^3P_2$ - 2p^2 $^3P_2$	7.90	4.57e+03
Fe XXV s *	1.7973	1s 2p $^1P_1$ - 2p^2 $^3P_2$	7.90	1.28e+03
Fe XXV	1.8504	1s^2 $^1S_0$ - 1s 2p $^1P_1$	7.80	8.55e+05
Fe XXIV s *	1.8505	1s^2 6d $^2D_{5/2}$ - 1s 2p (^{1}P) 6d $^2F_{7/2}$	7.60	1.52e+03
Fe XXIV s *	1.8507	1s^2 6p $^2P_{1/2}$ - 1s 2p (^{1}P) 6p $^2D_{3/2}$	7.60	1.22e+03
Fe XXIV s *	1.8507	1s^2 3d $^2D_{3/2}$ - 1s 2p (^{1}P) 3d $^2F_{5/2}$	7.55	4.31e+03
Fe XXIV s *	1.8507	1s^2 5d $^2D_{5/2}$ - 1s 2p (^{1}P) 5d $^2F_{7/2}$	7.60	2.70e+03
Fe XXIV s *	1.8508	1s^2 5p $^2P_{3/2}$ - 1s 2p (^{1}P) 5p $^2D_{5/2}$	7.60	2.13e+03
Fe XXIV s *	1.8508	1s^2 5p $^2P_{1/2}$ - 1s 2p (^{1}P) 5p $^2D_{3/2}$	7.60	2.27e+03
Fe XXIV s *	1.8509	1s^2 4d $^2D_{3/2}$ - 1s 2p (^{1}P) 4d $^2F_{5/2}$	7.60	1.27e+03
Fe XXIV s *	1.8510	1s^2 3p $^2P_{3/2}$ - 1s 2p (^{1}P) 3p $^2S_{1/2}$	7.55	3.03e+03
Fe XXIV s *	1.8511	1s^2 4d $^2D_{5/2}$ - 1s 2p (^{1}P) 4d $^2F_{5/2}$	7.60	2.05e+03
Fe XXIV s *	1.8512	1s^2 3d $^2D_{5/2}$ - 1s 2p (^{1}P) 3d $^2F_{5/2}$	7.55	3.68e+03
Fe XXIV s *	1.8514	1s^2 4d $^2D_{5/2}$ - 1s 2p (^{1}P) 4d $^2F_{7/2}$	7.60	5.53e+03
Fe XXIV s *	1.8517	1s^2 4p $^2P_{3/2}$ - 1s 2p (^{1}P) 4p $^2P_{3/2}$	7.60	1.92e+03
Fe XXIV s *	1.8517	1s^2 4p $^2P_{1/2}$ - 1s 2p (^{1}P) 4p $^2D_{3/2}$	7.60	4.96e+03
Fe XXIV s *	1.8519	1s^2 4p $^2P_{3/2}$ - 1s 2p (^{1}P) 4p $^2D_{5/2}$	7.60	4.81e+03
Fe XXIV s *	1.8520	1s^2 3d $^2D_{5/2}$ - 1s 2p (^{1}P) 3d $^2F_{7/2}$	7.55	1.25e+04
Fe XXIV s *	1.8525	1s^2 3s $^2S_{1/2}$ - 1s 2p (^{1}P) 3s $^2P_{1/2}$	7.55	3.09e+03
Fe XXIV s *	1.8525	1s^2 3p $^2P_{3/2}$ - 1s 2p (^{1}P) 3p $^2P_{3/2}$	7.55	7.17e+03
Fe XXIV s *	1.8528	1s^2 3p $^2P_{1/2}$ - 1s 2p (^{1}P) 3p $^2D_{3/2}$	7.55	1.54e+04
Fe XXIV s *	1.8535	1s^2 3p $^2P_{3/2}$ - 1s 2p (^{1}P) 3p $^2D_{5/2}$	7.55	2.21e+04
Fe XXV	1.8553	1s^2 $^1S_0$ - 1s 2p $^3P_2$	7.75	1.61e+05
Cr XXIII	1.8558	1s^2 $^1S_0$ - 1s 3p $^1P_1$	7.70	1.97e+03
Fe XXIV s	1.8563	1s^2 2s $^2S_{1/2}$ - 1s 2s (^{1}S) 2p $^2P_{3/2}$	7.50	3.02e+03
Fe XXIV s *	1.8566	1s^2 3p $^2P_{3/2}$ - 1s 2p (^{3}P) 3p $^2D_{5/2}$	7.55	2.76e+03
Fe XXIV s	1.8567	1s^2 2p $^2P_{3/2}$ - 1s 2p^2 (^{1}S) $^2S_{1/2}$	7.50	1.16e+04
Fe XXIV s	1.8571	1s^2 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 2p $^2P_{1/2}$	7.55	3.33e+04
Fe XXIV s *	1.8591	1s^2 3s $^2S_{1/2}$ - 1s 2p (^{3}P) 3s $^2P_{1/2}$	7.55	6.08e+03
Fe XXV	1.8595	1s^2 $^1S_0$ - 1s 2p $^3P_1$	7.80	1.78e+05
Fe XXIV s *	1.8598	1s^2 5p $^2P_{3/2}$ - 1s 2p (^{3}P) 5p $^4D_{5/2}$	7.60	1.33e+03
Fe XXIV s *	1.8598	1s^2 4s $^2S_{1/2}$ - 1s 2p (^{3}P) 4s $^2P_{1/2}$	7.60	2.08e+03
Fe XXIV s *	1.8609	1s^2 4p $^2P_{3/2}$ - 1s 2p (^{3}P) 4p $^4D_{5/2}$	7.60	1.55e+03
Fe XXIV s	1.8610	1s^2 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 2p $^2P_{3/2}$	7.60	7.28e+04
Fe XXIV s	1.8622	1s^2 2p $^2P_{3/2}$ - 1s 2p^2 (^{3}P) $^2P_{3/2}$	7.50	2.44e+04
Fe XXIV s	1.8631	1s^2 2p $^2P_{1/2}$ - 1s 2p^2 (^{1}D) $^2D_{3/2}$	7.50	6.40e+04
Fe XXIV s *	1.8633	1s^2 3p $^2P_{3/2}$ - 1s 2p (^{3}P) 3p $^4D_{5/2}$	7.55	1.72e+03
Fe XXIV s	1.8636	1s^2 2s $^2S_{1/2}$ - 1s 2s (^{1}S) 2p $^2P_{1/2}$	7.55	3.49e+04
Fe XXIV s	1.8659	1s^2 2p $^2P_{3/2}$ - 1s 2p^2 (^{1}D) $^2D_{5/2}$	7.50	9.74e+04
Fe XXIV s	1.8676	1s^2 2p $^2P_{3/2}$ - 1s 2p^2 (^{1}D) $^2D_{3/2}$	7.50	7.54e+03
Fe XXIV s *	1.8678	1s^2 3p $^2P_{1/2}$ - 1s 2s (^{1}S) 3s $^2S_{1/2}$	7.55	1.47e+03
Fe XXIII s	1.8682	2s 2p $^3P_2$ - 1s 2s 2p^2 $^1D_2$	7.35	1.74e+03
Fe XXV	1.8682	1s^2 $^1S_0$ - 1s 2s $^3S_1$	7.75	2.59e+05
Fe XXIV s *	1.8692	1s^2 3p $^2P_{3/2}$ - 1s 2s (^{1}S) 3s $^2S_{1/2}$	7.55	2.02e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXIII s	1.8704	$2s^2\ ^1S_0$ - 1s $2s^2$ 2p $^1P_1$	7.35	1.88e+04
Fe XXIII s	1.8723	2s 2p $^3P_1$ - 1s 2s $2p^2\ ^3D_1$	7.35	4.74e+03
Fe XXIV s	1.8728	$1s^2$ 2p $^2P_{3/2}$ - 1s $2p^2$ (^{3}P) $^4P_{5/2}$	7.50	1.65e+04
Fe XXIII s *	1.8731	2s 2p $^3P_0$ - 1s 2s $2p^2\ ^3P_1$	7.35	1.53e+03
Fe XXIII s	1.8736	2s 2p $^3P_1$ - 1s 2s $2p^2\ ^3D_2$	7.35	8.16e+03
Fe XXIV s	1.8738	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 2p $^4P_{3/2}$	7.50	1.13e+04
Fe XXIII s *	1.8739	2s 2p $^3P_2$ - 1s 2s $2p^2\ ^3P_2$	7.35	3.76e+03
Fe XXIV s	1.8745	$1s^2$ 2p $^2P_{3/2}$ - 1s $2p^2$ (^{3}P) $^4P_{3/2}$	7.55	2.12e+03
Fe XXIV s	1.8749	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 2p $^4P_{1/2}$	7.50	4.94e+03
Fe XXIII s	1.8755	2s 2p $^3P_2$ - 1s 2s $2p^2\ ^3D_1$	7.35	1.29e+03
Fe XXIII s	1.8758	2s 2p $^3P_2$ - 1s 2s $2p^2\ ^3D_3$	7.35	1.05e+04
Fe XXIII s	1.8781	2s 2p $^1P_1$ - 1s 2s $2p^2\ ^1D_2$	7.35	3.72e+03
Fe XXII s	1.8794	$1s^2$ $2s^2$ 2p $^2P_{3/2}$ - 1s $2s^2$ $2p^2\ ^2S_{1/2}$	7.20	1.20e+03
Fe XXII s	1.8824	$1s^2$ $2s^2$ 2p $^2P_{3/2}$ - 1s $2s^2$ $2p^2\ ^2P_{3/2}$	7.20	1.63e+03
Fe XXII s	1.8825	$1s^2$ $2s^2$ 2p $^2P_{1/2}$ - 1s $2s^2$ $2p^2\ ^2D_{3/2}$	7.20	4.80e+03
Fe XXII s	1.8825	$1s^2$ $2s^2$ 2p $^2P_{1/2}$ - 1s $2s^2$ $2p^2\ ^2P_{1/2}$	7.20	1.59e+03
Fe XXII s	1.8851	$1s^2$ $2s^2$ 2p $^2P_{3/2}$ - 1s $2s^2$ $2p^2\ ^2D_{5/2}$	7.20	5.09e+03
Fe XXIV s	1.8922	$1s^2$ 2p $^2P_{1/2}$ - 1s $2s^2\ ^2S_{1/2}$	7.50	4.25e+03
Fe XXIV s	1.8968	$1s^2$ 2p $^2P_{3/2}$ - 1s $2s^2\ ^2S_{1/2}$	7.50	4.22e+03
Cr XXIII	2.1819	$1s^2\ ^1S_0$ - 1s 2p $^1P_1$	7.70	1.30e+04
Cr XXIII	2.1886	$1s^2\ ^1S_0$ - 1s 2p $^3P_2$	7.60	1.96e+03
Cr XXIII	2.1925	$1s^2\ ^1S_0$ - 1s 2p $^3P_1$	7.60	2.21e+03
Cr XXIII	2.2034	$1s^2\ ^1S_0$ - 1s 2s $^3S_1$	7.60	3.72e+03
Fe XXIV s	2.2735	$1s^2$ 3d $^2D_{5/2}$ - 1s 2s (^{3}S) 2p $^4P_{5/2}$	7.50	1.15e+04
Ca XX	2.4172	1s $^2S_{1/2}$ - 4p $^2P_{3/2}$	7.70	1.90e+03
Ca XIX	2.5138	$1s^2\ ^1S_0$ - 1s 5p $^1P_1$	7.50	1.86e+03
Ca XX	2.5490	1s $^2S_{1/2}$ - 3p $^2P_{3/2}$	7.70	5.73e+03
Ca XX	2.5501	1s $^2S_{1/2}$ - 3p $^2P_{1/2}$	7.70	2.86e+03
Ca XIX	2.5714	$1s^2\ ^1S_0$ - 1s 4p $^1P_1$	7.45	4.41e+03
Ti XXI	2.6103	$1s^2\ ^1S_0$ - 1s 2p $^1P_1$	7.55	2.81e+03
Ca XIX	2.7054	$1s^2\ ^1S_0$ - 1s 3p $^1P_1$	7.45	1.34e+04
Ar XVIII	2.9873	1s $^2S_{1/2}$ - 4p $^2P_{3/2}$	7.55	2.03e+03
Ca XX	3.0185	1s $^2S_{1/2}$ - 2p $^2P_{3/2}$	7.70	3.75e+04
Ca XX	3.0239	1s $^2S_{1/2}$ - 2p $^2P_{1/2}$	7.70	1.87e+04
Ca XIX s *	3.0486	1s 2p $^1P_1$ - $2p^2\ ^1D_2$	7.55	1.83e+03
Ar XVIII	3.1502	1s $^2S_{1/2}$ - 3p $^2P_{3/2}$	7.50	6.16e+03
Ar XVIII	3.1514	1s $^2S_{1/2}$ - 3p $^2P_{1/2}$	7.50	3.09e+03
Ca XIX	3.1773	$1s^2\ ^1S_0$ - 1s 2p $^1P_1$	7.45	8.16e+04
Ca XVIII s *	3.1794	$1s^2$ 3d $^2D_{5/2}$ - 1s 2p (^{1}P) 3d $^2F_{7/2}$	7.25	1.20e+03
Ca XVIII s *	3.1820	$1s^2$ 3p $^2P_{1/2}$ - 1s 2p (^{1}P) 3p $^2D_{3/2}$	7.25	1.38e+03
Ca XVIII s *	3.1828	$1s^2$ 3p $^2P_{3/2}$ - 1s 2p (^{1}P) 3p $^2D_{5/2}$	7.25	2.31e+03
Ca XIX	3.1892	$1s^2\ ^1S_0$ - 1s 2p $^3P_2$	7.40	1.12e+04
Ca XVIII s	3.1914	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 2p $^2P_{1/2}$	7.15	1.29e+03
Ca XIX	3.1928	$1s^2\ ^1S_0$ - 1s 2p $^3P_1$	7.40	1.46e+04
Ca XVIII s	3.2005	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 2p $^2P_{3/2}$	7.30	3.15e+03
Ca XVIII s	3.2027	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{1}S) 2p $^2P_{1/2}$	7.25	1.77e+03
Ca XVIII s	3.2037	$1s^2$ 2p $^2P_{3/2}$ - 1s $2p^2$ (^{3}P) $^2P_{3/2}$	7.15	1.23e+03
Ca XVIII s	3.2064	$1s^2$ 2p $^2P_{1/2}$ - 1s $2p^2$ (^{1}D) $^2D_{3/2}$	7.15	4.83e+03
Ca XVIII s	3.2101	$1s^2$ 2p $^2P_{3/2}$ - 1s $2p^2$ (^{1}D) $^2D_{5/2}$	7.15	6.61e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ca XIX	3.2111	$1s^2\ ^1S_0$ - 1s 2s $^3S_1$	7.40	2.62e+04
K XIX	3.3467	1s $^2S_{1/2}$ - 2p $^2P_{3/2}$	7.60	2.03e+03
Ar XVII	3.3653	$1s^2\ ^1S_0$ - 1s 3d $^1D_2$	7.35	1.77e+03
K XVIII	3.5320	$1s^2\ ^1S_0$ - 1s 2p $^1P_1$	7.35	3.76e+03
S XVI	3.6958	1s $^2S_{1/2}$ - 5p $^2P_{3/2}$	7.40	6.40e+03
S XVI	3.6960	1s $^2S_{1/2}$ - 5p $^2P_{1/2}$	7.40	3.19e+03
Ar XVIII	3.7310	1s $^2S_{1/2}$ - 2p $^2P_{3/2}$	7.50	4.11e+04
Ar XVIII	3.7370	1s $^2S_{1/2}$ - 2p $^2P_{1/2}$	7.50	2.21e+04
Ar XVII s *	3.7720	1s 2p $^1P_1$ - $2p^2\ ^1D_2$	7.40	2.18e+03
S XVI	3.7843	1s $^2S_{1/2}$ - 4p $^2P_{3/2}$	7.40	1.44e+04
S XVI	3.7847	1s $^2S_{1/2}$ - 4p $^2P_{1/2}$	7.40	7.19e+03
Cl XVI	3.7897	$1s^2\ ^1S_0$ - 1s 3p $^1P_1$	7.25	1.42e+03
Ar XVII	3.9491	$1s^2\ ^1S_0$ - 1s 2p $^1P_1$	7.30	8.73e+04
Ar XVI s *	3.9518	$1s^2$ 3d $^2D_{5/2}$ - 1s 2p (^{1}P) 3d $^2F_{7/2}$	7.15	1.35e+03
Ar XVI s	3.9558	$1s^2$ 3p $^2P_{1/2}$ - 1s 2p (^{1}P) 3p $^2D_{3/2}$	7.15	1.50e+03
Ar XVI s	3.9567	$1s^2$ 3p $^2P_{3/2}$ - 1s 2p (^{1}P) 3p $^2D_{5/2}$	7.15	2.51e+03
Ar XVII	3.9659	$1s^2\ ^1S_0$ - 1s 2p $^3P_2$	7.30	1.62e+04
Ar XVII	3.9694	$1s^2\ ^1S_0$ - 1s 2p $^3P_1$	7.25	1.44e+04
Ar XVI s	3.9813	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 2p $^2P_{3/2}$	7.15	2.72e+03
Ar XVI s	3.9834	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{1}S) 2p $^2P_{1/2}$	7.15	1.56e+03
Ar XVI s	3.9898	$1s^2$ 2p $^2P_{1/2}$ - 1s $2p^2$ (^{1}D) $^2D_{3/2}$	7.10	4.22e+03
S XVI	3.9908	1s $^2S_{1/2}$ - 3p $^2P_{3/2}$	7.40	4.38e+04
S XVI	3.9919	1s $^2S_{1/2}$ - 3p $^2P_{1/2}$	7.40	2.19e+04
Ar XVI s	3.9938	$1s^2$ 2p $^2P_{3/2}$ - 1s $2p^2$ (^{1}D) $^2D_{5/2}$	7.10	5.85e+03
Ar XVII	3.9941	$1s^2\ ^1S_0$ - 1s 2s $^3S_1$	7.30	4.19e+04
S XV	3.9978	$1s^2\ ^1S_0$ - 1s 5p $^1P_1$	7.15	1.08e+04
S XV	4.0885	$1s^2\ ^1S_0$ - 1s 4p $^1P_1$	7.15	2.27e+04
Cl XVII	4.1853	1s $^2S_{1/2}$ - 2p $^2P_{3/2}$	7.45	6.65e+03
Cl XVII	4.1908	1s $^2S_{1/2}$ - 2p $^2P_{1/2}$	7.45	3.32e+03
S XV	4.2991	$1s^2\ ^1S_0$ - 1s 3p $^1P_1$	7.15	6.44e+04
S XV	4.3047	$1s^2\ ^1S_0$ - 1s 3p $^3P_1$	7.15	1.60e+03
S XIV s *	4.3875	$1s^2$ 2p $^2P_{1/2}$ - 1s 2p (^{3}P) 3p $^2D_{3/2}$	7.10	1.76e+03
S XIV s *	4.3880	$1s^2$ 2p $^2P_{3/2}$ - 1s 2p (^{3}P) 3p $^2D_{5/2}$	7.10	3.61e+03
Cl XVI	4.4443	$1s^2\ ^1S_0$ - 1s 2p $^1P_1$	7.20	9.79e+03
Cl XVI	4.4679	$1s^2\ ^1S_0$ - 1s 2p $^3P_1$	7.15	1.32e+03
Cl XVI	4.4972	$1s^2\ ^1S_0$ - 1s 2s $^3S_1$	7.15	3.32e+03
S XV s *	4.7205	1s 3d $^1D_2$ - 2p 3d $^1F_3$	7.25	1.52e+03
S XV s *	4.7260	1s 3p $^1P_1$ - 2p 3p $^1D_2$	7.25	1.76e+03
S XV s *	4.7272	1s 4p $^1P_1$ - 2p 4p $^1D_2$	7.25	1.39e+03
S XVI	4.7274	1s $^2S_{1/2}$ - 2p $^2P_{3/2}$	7.35	3.04e+05
S XVI	4.7326	1s $^2S_{1/2}$ - 2s $^2S_{1/2}$	7.35	1.50e+03
S XVI	4.7328	1s $^2S_{1/2}$ - 2p $^2P_{1/2}$	7.35	1.52e+05
S XV s *	4.7611	1s 2s $^1S_0$ - 2s 2p $^1P_1$	7.20	3.32e+03
S XV s *	4.7704	1s 2s $^3S_1$ - 2s 2p $^3P_2$	7.20	1.73e+03
S XV s *	4.7849	1s 2p $^1P_1$ - $2p^2\ ^1D_2$	7.20	1.02e+04
Si XIV	4.8310	1s $^2S_{1/2}$ - 5p $^2P_{3/2}$	7.15	1.57e+04
Si XIV	4.8312	1s $^2S_{1/2}$ - 5p $^2P_{1/2}$	7.15	7.82e+03
Si XIV	4.9467	1s $^2S_{1/2}$ - 4p $^2P_{3/2}$	7.15	3.50e+04
Si XIV	4.9472	1s $^2S_{1/2}$ - 4p $^2P_{1/2}$	7.15	1.75e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
S XV	5.0387	$1s^2\ ^1S_0$ - 1s 2p $^1P_1$	7.15	4.08e+05
S XIV s *	5.0409	$1s^2$ 5d $^2D_{5/2}$ - 1s 2p (^{1}P) 5d $^2F_{7/2}$	7.10	1.36e+03
S XIV s *	5.0414	$1s^2$ 3d $^2D_{3/2}$ - 1s 2p (^{1}P) 3d $^2F_{5/2}$	7.10	3.23e+03
S XIV s *	5.0416	$1s^2$ 4d $^2D_{3/2}$ - 1s 2p (^{1}P) 4d $^2F_{5/2}$	7.10	1.48e+03
S XIV s *	5.0419	$1s^2$ 5p $^2P_{3/2}$ - 1s 2p (^{1}P) 5p $^2D_{5/2}$	7.10	1.37e+03
S XIV s *	5.0421	$1s^2$ 4d $^2D_{5/2}$ - 1s 2p (^{1}P) 4d $^2F_{7/2}$	7.10	2.71e+03
S XIV s *	5.0427	$1s^2$ 3d $^2D_{5/2}$ - 1s 2p (^{1}P) 3d $^2F_{7/2}$	7.10	5.27e+03
S XIV s *	5.0439	$1s^2$ 4p $^2P_{1/2}$ - 1s 2p (^{1}P) 4p $^2D_{3/2}$	7.10	2.14e+03
S XIV s *	5.0441	$1s^2$ 4p $^2P_{3/2}$ - 1s 2p (^{1}P) 4p $^2D_{5/2}$	7.10	3.04e+03
S XIV s *	5.0461	$1s^2$ 3s $^2S_{1/2}$ - 1s 2p (^{1}P) 3s $^2P_{1/2}$	7.10	1.26e+03
S XIV s *	5.0466	$1s^2$ 3s $^2S_{1/2}$ - 1s 2p (^{1}P) 3s $^2P_{3/2}$	7.10	1.63e+03
S XIV s *	5.0477	$1s^2$ 3p $^2P_{3/2}$ - 1s 2p (^{1}P) 3p $^2P_{3/2}$	7.10	2.06e+03
S XIV s *	5.0482	$1s^2$ 3p $^2P_{1/2}$ - 1s 2p (^{1}P) 3p $^2D_{3/2}$	7.10	5.50e+03
S XIV s *	5.0490	$1s^2$ 3p $^2P_{3/2}$ - 1s 2p (^{1}P) 3p $^2D_{5/2}$	7.10	9.16e+03
S XIV s *	5.0534	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 2p $^2P_{3/2}$	7.10	1.04e+04
S XIV s *	5.0578	$1s^2$ 3s $^2S_{1/2}$ - 1s 2p (^{3}P) 3s $^2P_{3/2}$	7.10	1.24e+03
S XIV s *	5.0614	$1s^2$ 2p $^2P_{3/2}$ - 1s $2p^2$ (^{1}S) $^2S_{1/2}$	7.10	2.02e+03
S XV	5.0631	$1s^2\ ^1S_0$ - 1s 2p $^3P_2$	7.10	2.96e+04
S XIV s *	5.0653	$1s^2$ 3p $^2P_{3/2}$ - 1s 2p (^{3}P) 3p $^2D_{5/2}$	7.10	1.20e+03
S XIV s *	5.0664	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{3}S) 2p $^2P_{1/2}$	7.10	1.97e+03
S XV	5.0667	$1s^2\ ^1S_0$ - 1s 2p $^3P_1$	7.15	6.00e+04
S XIV s *	5.0875	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{1}S) 2p $^2P_{1/2}$	7.10	7.85e+03
S XIV s *	5.0915	$1s^2$ 2p $^2P_{3/2}$ - 1s $2p^2$ (^{3}P) $^2P_{3/2}$	7.10	2.30e+03
S XIV s *	5.0980	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{1}S) 2p $^2P_{3/2}$	7.10	9.77e+03
S XIV s *	5.0980	$1s^2$ 2p $^2P_{1/2}$ - 1s $2p^2$ (^{1}D) $^2D_{3/2}$	7.10	1.20e+04
S XV	5.1015	$1s^2\ ^1S_0$ - 1s 2s $^3S_1$	7.15	1.69e+05
S XIV s *	5.1022	$1s^2$ 2p $^2P_{3/2}$ - 1s $2p^2$ (^{1}D) $^2D_{5/2}$	7.10	1.70e+04
Si XIII *	5.1860	$1s^2\ ^1S_0$ - 1s 7p $^1P_1$	7.10	1.42e+03
Si XIV	5.2168	1s $^2S_{1/2}$ - 3p $^2P_{3/2}$	7.15	1.08e+05
Si XIV	5.2180	1s $^2S_{1/2}$ - 3p $^2P_{1/2}$	7.15	5.38e+04
Si XIII *	5.2230	$1s^2\ ^1S_0$ - 1s 6p $^1P_1$	7.10	2.35e+03
Si XIII	5.2856	$1s^2\ ^1S_0$ - 1s 5p $^1P_1$	7.10	1.97e+04
P XV	5.3813	1s $^2S_{1/2}$ - 2p $^2P_{3/2}$	7.25	5.84e+03
P XV	5.3868	1s $^2S_{1/2}$ - 2p $^2P_{1/2}$	7.25	2.92e+03
Si XIII	5.4046	$1s^2\ ^1S_0$ - 1s 4p $^1P_1$	7.10	3.98e+04
Si XII s *	5.5616	$1s^2$ 2p $^2P_{3/2}$ - 1s 2p (^{3}P) 4p $^2D_{5/2}$	7.05	1.20e+03
Al XIII	5.6048	1s $^2S_{1/2}$ - 5p $^2P_{3/2}$	7.10	1.20e+03
Si XIII	5.6807	$1s^2\ ^1S_0$ - 1s 3p $^1P_1$	7.10	1.11e+05
Si XIII	5.6887	$1s^2\ ^1S_0$ - 1s 3p $^3P_1$	7.10	1.34e+03
Al XIII	5.7391	1s $^2S_{1/2}$ - 4p $^2P_{3/2}$	7.10	2.69e+03
Al XIII	5.7396	1s $^2S_{1/2}$ - 4p $^2P_{1/2}$	7.10	1.34e+03
P XIV	5.7602	$1s^2\ ^1S_0$ - 1s 2p $^1P_1$	7.10	6.57e+03
Si XII s *	5.8145	$1s^2$ 2p $^2P_{1/2}$ - 1s 2p (^{3}P) 3p $^2D_{3/2}$	7.05	2.06e+03
Si XII s *	5.8150	$1s^2$ 2p $^2P_{3/2}$ - 1s 2p (^{3}P) 3p $^2D_{5/2}$	7.05	4.03e+03
P XIV	5.8357	$1s^2\ ^1S_0$ - 1s 2s $^3S_1$	7.10	2.27e+03
Al XIII	6.0525	1s $^2S_{1/2}$ - 3p $^2P_{3/2}$	7.10	8.12e+03
Al XIII	6.0537	1s $^2S_{1/2}$ - 3p $^2P_{1/2}$	7.10	4.06e+03
Ni XXVI *	6.1082	$1s^2$ 2s $^2S_{1/2}$ - $1s^2$ 5p $^2P_{3/2}$	7.45	1.66e+03
Si XIII s *	6.1695	1s 3d $^1D_2$ - 2p 3d $^1F_3$	7.10	3.52e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Al XII	6.1755	$1s^2\ ^1S_0$ - 1s 5p $^1P_1$	7.05	1.19e+03
Si XIII s *	6.1760	1s 4d $^1D_2$ - 2p 4d $^1F_3$	7.10	2.21e+03
Si XIII s *	6.1768	1s 3p $^1P_1$ - 2s 3d $^1D_2$	7.10	2.38e+03
Si XIII s *	6.1784	1s 3s $^1S_0$ - 2p 3s $^1P_1$	7.10	1.82e+03
S XIV s *	6.1789	$1s^2$ 3d $^2D_{5/2}$ - 1s 2s (^{3}S) 2p $^4P_{5/2}$	7.10	1.28e+03
Si XIII s *	6.1796	1s 4s $^1S_0$ - 2p 4s $^1P_1$	7.10	1.28e+03
Si XIII s *	6.1800	1s 4p $^1P_1$ - 2p 4p $^1D_2$	7.10	2.29e+03
Si XIV	6.1804	1s $^2S_{1/2}$ - 2p $^2P_{3/2}$	7.15	7.68e+05
Si XIII s *	6.1808	1s 6p $^1P_1$ - 2p 6p $^1D_2$	7.10	1.36e+03
Si XIII s *	6.1812	1s 5p $^1P_1$ - 2p 5p $^1D_2$	7.10	2.08e+03
Si XIV	6.1856	1s $^2S_{1/2}$ - 2s $^2S_{1/2}$	7.15	2.34e+03
Si XIV	6.1858	1s $^2S_{1/2}$ - 2p $^2P_{1/2}$	7.15	3.84e+05
Si XIII s *	6.1911	1s 4p $^1P_1$ - 2s 4d $^1D_2$	7.10	1.33e+03
Si XIII s *	6.2004	1s 3d $^3D_3$ - 2p 3d $^3F_4$	7.10	1.99e+03
Si XIII s *	6.2019	1s 3p $^1P_1$ - 2p 3p $^1D_2$	7.10	2.05e+03
Si XIII s *	6.2296	1s 2s $^1S_0$ - 2s 2p $^1P_1$	7.10	5.46e+03
Si XIII s *	6.2446	1s 2s $^3S_1$ - 2s 2p $^3P_2$	7.10	3.87e+03
Si XIII s *	6.2482	1s 2s $^3S_1$ - 2s 2p $^3P_1$	7.10	2.40e+03
Si XIII s *	6.2651	1s 2p $^1P_1$ - $2p^2\ ^1D_2$	7.10	1.72e+04
Al XII	6.3139	$1s^2\ ^1S_0$ - 1s 4p $^1P_1$	7.05	2.42e+03
Ni XXVI *	6.3371	$1s^2$ 2p $^2P_{3/2}$ - $1s^2$ 5d $^2D_{5/2}$	7.40	1.29e+03
Ni XXV *	6.3480	$2s^2\ ^1S_0$ - 2s 5p $^1P_1$	7.30	1.43e+03
Fe XXIV *	6.4480	$1s^2$ 2s $^2S_{1/2}$ - $1s^2$ 8p $^2P_{3/2}$	7.35	1.25e+03
Fe XXIV *	6.5770	$1s^2$ 2s $^2S_{1/2}$ - $1s^2$ 7p $^2P_{3/2}$	7.40	1.96e+03
Mg XII	6.5800	1s $^2S_{1/2}$ - 5p $^2P_{3/2}$	7.10	1.46e+04
Mg XII	6.5802	1s $^2S_{1/2}$ - 5p $^2P_{1/2}$	7.10	7.29e+03
Al XII	6.6348	$1s^2\ ^1S_0$ - 1s 3p $^1P_1$	7.05	6.65e+03
Si XIII	6.6479	$1s^2\ ^1S_0$ - 1s 2p $^1P_1$	7.10	6.86e+05
Si XII s *	6.6510	$1s^2$ 7p $^2P_{3/2}$ - 1s 2p (^{1}P) 7p $^2D_{5/2}$	7.05	1.24e+03
Si XII s *	6.6515	$1s^2$ 5d $^2D_{3/2}$ - 1s 2p (^{1}P) 5d $^2F_{5/2}$	7.05	1.22e+03
Si XII s *	6.6518	$1s^2$ 5d $^2D_{5/2}$ - 1s 2p (^{1}P) 5d $^2F_{7/2}$	7.05	1.98e+03
Si XII s *	6.6526	$1s^2$ 4d $^2D_{3/2}$ - 1s 2p (^{1}P) 4d $^2F_{5/2}$	7.05	2.29e+03
Si XII s *	6.6527	$1s^2$ 3d $^2D_{3/2}$ - 1s 2p (^{1}P) 3d $^2F_{5/2}$	7.05	4.40e+03
Si XII s *	6.6531	$1s^2$ 4d $^2D_{5/2}$ - 1s 2p (^{1}P) 4d $^2F_{7/2}$	7.05	3.80e+03
Si XII s *	6.6533	$1s^2$ 5p $^2P_{3/2}$ - 1s 2p (^{1}P) 5p $^2D_{5/2}$	7.05	1.85e+03
Si XII s *	6.6540	$1s^2$ 3d $^2D_{5/2}$ - 1s 2p (^{1}P) 3d $^2F_{7/2}$	7.05	6.87e+03
Si XII s *	6.6558	$1s^2$ 4p $^2P_{1/2}$ - 1s 2p (^{1}P) 4p $^2D_{3/2}$	7.05	2.95e+03
Si XII s *	6.6560	$1s^2$ 4p $^2P_{3/2}$ - 1s 2p (^{1}P) 4p $^2D_{5/2}$	7.05	4.35e+03
Si XII s *	6.6591	$1s^2$ 3s $^2S_{1/2}$ - 1s 2p (^{1}P) 3s $^2P_{1/2}$	7.05	1.67e+03
Si XII s *	6.6596	$1s^2$ 3s $^2S_{1/2}$ - 1s 2p (^{1}P) 3s $^2P_{3/2}$	7.05	2.31e+03
Si XII s *	6.6616	$1s^2$ 3p $^2P_{3/2}$ - 1s 2p (^{1}P) 3p $^2P_{3/2}$	7.05	2.55e+03
Si XII s *	6.6621	$1s^2$ 3p $^2P_{1/2}$ - 1s 2p (^{1}P) 3p $^2D_{3/2}$	7.05	6.58e+03
Si XII s *	6.6629	$1s^2$ 3p $^2P_{3/2}$ - 1s 2p (^{1}P) 3p $^2D_{5/2}$	7.05	1.06e+04
Si XII s *	6.6764	$1s^2$ 3s $^2S_{1/2}$ - 1s 2p (^{3}P) 3s $^2P_{3/2}$	7.05	1.48e+03
Si XII s *	6.6809	$1s^2$ 2p $^2P_{3/2}$ - 1s $2p^2$ (^{1}S) $^2S_{1/2}$	7.05	2.14e+03
Si XIII	6.6850	$1s^2\ ^1S_0$ - 1s 2p $^3P_2$	7.05	2.66e+04
Si XII s *	6.6877	$1s^2$ 3p $^2P_{3/2}$ - 1s 2p (^{3}P) 3p $^2D_{5/2}$	7.05	1.34e+03
Si XII s *	6.6882	$1s^2$ 2s $^2S_{1/2}$ - 1s 2s (^{1}S) 2p $^2P_{3/2}$	7.05	1.81e+03
Si XIII	6.6882	$1s^2\ ^1S_0$ - 1s 2p $^3P_1$	7.05	9.99e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Si XII s *	6.6892	$1s^2\ 2s\ ^2S_{1/2}$ - 1s 2s (^{3}S) $2p\ ^2P_{1/2}$	7.05	1.39e+03
Ni XXV *	6.7010	$2s\ 2p\ ^1P_1$ - $2s\ 5d\ ^1D_2$	7.30	1.26e+03
Fe XXV	6.7034	$1s\ 2s\ ^3S_1$ - $1s\ 5p\ ^3P_2$	7.80	1.17e+03
Si XII s *	6.7197	$1s^2\ 2s\ ^2S_{1/2}$ - 1s 2s (^{3}S) $2p\ ^2P_{3/2}$	7.05	1.93e+04
Si XII s *	6.7212	$1s^2\ 2s\ ^2S_{1/2}$ - 1s 2s (^{1}S) $2p\ ^2P_{1/2}$	7.05	5.09e+03
Si XII s *	6.7276	$1s^2\ 2p\ ^2P_{3/2}$ - $1s\ 2p^2$ (^{3}P) $^2P_{3/2}$	7.05	1.49e+03
Mg XII	6.7377	$1s\ ^2S_{1/2}$ - $4p\ ^2P_{3/2}$	7.10	3.25e+04
Si XII s *	6.7382	$1s^2\ 2p\ ^2P_{1/2}$ - $1s\ 2p^2$ (^{1}D) $^2D_{3/2}$	7.00	1.06e+04
Mg XII	6.7382	$1s\ ^2S_{1/2}$ - $4p\ ^2P_{1/2}$	7.10	1.63e+04
Si XIII	6.7403	$1s^2\ ^1S_0$ - $1s\ 2s\ ^3S_1$	7.05	3.14e+05
Si XII s *	6.7426	$1s^2\ 2p\ ^2P_{3/2}$ - $1s\ 2p^2$ (^{1}D) $^2D_{5/2}$	7.00	1.58e+04
Fe XXIV	6.7488	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 7d\ ^2D_{3/2}$	7.30	1.20e+03
Fe XXIV	6.7863	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 6p\ ^2P_{3/2}$	7.40	2.15e+03
Fe XXIV	6.7885	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 6p\ ^2P_{1/2}$	7.35	1.56e+03
Fe XXIV	6.8084	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 7d\ ^2D_{5/2}$	7.35	1.24e+03
Ni XXVI *	6.8086	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{3/2}$	7.40	4.73e+03
Ni XXVI *	6.8200	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{1/2}$	7.40	2.40e+03
Fe XXIV	6.9720	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 6d\ ^2D_{3/2}$	7.35	2.21e+03
Ni XXVI *	7.0036	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 4d\ ^2D_{3/2}$	7.40	2.27e+03
Fe XXIV	7.0330	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 6d\ ^2D_{5/2}$	7.35	2.63e+03
Ni XXV *	7.0568	$2s^2\ ^1S_0$ - $2s\ 4p\ ^1P_1$	7.30	4.22e+03
Ni XXVI *	7.0880	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 4d\ ^2D_{5/2}$	7.40	4.10e+03
Mg XII	7.1058	$1s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	7.10	9.79e+04
Mg XII	7.1069	$1s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	7.10	4.91e+04
Ni XXVI *	7.1373	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.40	1.67e+03
Ni XXIII *	7.1639	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 5d\ ^3D_1$	7.20	2.81e+03
Fe XXIV	7.1676	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 5p\ ^2P_{3/2}$	7.30	3.31e+04
Al XIII	7.1709	$1s\ ^2S_{1/2}$ - $2p\ ^2P_{3/2}$	7.10	5.66e+04
Fe XXIV	7.1719	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 5p\ ^2P_{1/2}$	7.30	1.61e+04
Al XIII	7.1763	$1s\ ^2S_{1/2}$ - $2p\ ^2P_{1/2}$	7.10	2.83e+04
Mg XI *	7.2246	$1s^2\ ^1S_0$ - $1s\ 6p\ ^1P_1$	7.05	1.55e+03
Mg XI	7.3103	$1s^2\ ^1S_0$ - $1s\ 5p\ ^1P_1$	7.00	1.05e+04
Fe XXIV	7.3700	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 5d\ ^2D_{3/2}$	7.30	1.44e+04
Fe XXIV	7.3891	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 5s\ ^2S_{1/2}$	7.30	4.29e+03
Fe XXIV	7.4380	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 5d\ ^2D_{5/2}$	7.30	1.34e+04
Fe XXIV	7.4406	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 5d\ ^2D_{3/2}$	7.30	2.79e+03
Fe XXIV	7.4601	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 5s\ ^2S_{1/2}$	7.30	1.08e+04
Fe XXIII	7.4720	$2s^2\ ^1S_0$ - $2s\ 5p\ ^3P_1$	7.15	3.67e+03
Fe XXIII	7.4720	$2s^2\ ^1S_0$ - $2s\ 5p\ ^1P_1$	7.20	2.90e+04
Mg XI	7.4731	$1s^2\ ^1S_0$ - $1s\ 4p\ ^1P_1$	7.00	2.06e+04
Ni XXV *	7.4768	$2s\ 2p\ ^1P_1$ - $2s\ 4d\ ^1D_2$	7.30	4.42e+03
Fe XXV	7.4835	$1s\ 2s\ ^3S_1$ - $1s\ 4p\ ^3P_2$	7.80	2.59e+03
Ni XXV *	7.5531	$2s\ 2p\ ^1P_1$ - $2s\ 4s\ ^1S_0$	7.30	2.18e+03
Ni XXIV *	7.5671	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 4d\ ^2D_{3/2}$	7.25	4.34e+03
Fe XXIII	7.6708	$2s\ 2p\ ^3P_0$ - $2s\ 5d\ ^3D_1$	7.15	1.68e+03
Fe XXIII	7.6800	$2s\ 2p\ ^3P_1$ - $2s\ 5d\ ^3D_2$	7.15	3.26e+03
Fe XXIII	7.6891	$2s\ 2p\ ^3P_1$ - $2s\ 5d\ ^3D_1$	7.15	1.22e+03
Ni XXIII *	7.7177	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^2\ 4p\ ^3D_1$	7.20	1.97e+03
Fe XXIII	7.7330	$2s\ 2p\ ^3P_2$ - $2s\ 5d\ ^3D_3$	7.15	5.49e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Al XII	7.7573	$1s^2\ ^1S_0$ - $1s\ 2p\ ^1P_1$	7.05	3.99e+04
Fe XXV	7.7939	$1s\ 2p\ ^1P_1$ - $1s\ 4s\ ^1S_0$	7.85	1.17e+03
Al XII	7.8070	$1s^2\ ^1S_0$ - $1s\ 2p\ ^3P_1$	7.00	5.58e+03
Mg XI	7.8505	$1s^2\ ^1S_0$ - $1s\ 3p\ ^1P_1$	7.00	5.66e+04
Fe XXII *	7.8648	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 5p\ ^2D_{3/2}$	7.15	6.53e+03
Fe XXII *	7.8668	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 5p\ ^2P_{1/2}$	7.15	4.57e+03
Al XII	7.8721	$1s^2\ ^1S_0$ - $1s\ 2s\ ^3S_1$	7.05	1.93e+04
Fe XXII *	7.8744	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 5p\ ^4D_{3/2}$	7.15	1.68e+03
Fe XXIII	7.8830	$2s\ 2p\ ^1P_1$ - $2s\ 5d\ ^1D_2$	7.15	2.56e+04
Fe XXII *	7.8874	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 5p\ ^4S_{3/2}$	7.15	1.42e+03
Fe XXIII	7.9340	$2s\ 2p\ ^1P_1$ - $2s\ 5s\ ^1S_0$	7.15	1.48e+04
Ni XXIII *	7.9408	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 4d\ ^3D_1$	7.20	8.76e+03
Fe XXIV	7.9841	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{3/2}$	7.30	9.34e+04
Fe XXIV	7.9943	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{1/2}$	7.30	4.71e+04
Fe XXIII *	7.9944	$2p^2\ ^1S_0$ - $2p\ 5d\ ^1P_1$	7.15	1.49e+03
Ni XXIII *	8.0091	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 4d\ ^3D_1$	7.20	1.26e+03
Fe XXII *	8.1378	$1s^2\ 2s\ 2p^2\ ^4P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 5d\ ^2F_{5/2}$	7.15	1.64e+03
Si XII s *	8.1479	$1s^2\ 3d\ ^2D_{5/2}$ - $1s\ 2s\ (^3S)\ 2p\ ^4P_{5/2}$	7.05	1.25e+03
Fe XXII *	8.1639	$1s^2\ 2s\ 2p^2\ ^4P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 5d\ ^4P_{5/2}$	7.10	2.11e+03
Fe XXII *	8.1686	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2p^2\ (^1D)\ 4d\ ^2D_{5/2}$	7.15	8.33e+03
Fe XXII *	8.1787	$1s^2\ 2s\ 2p^2\ ^4P_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 5d\ ^4F_{7/2}$	7.10	1.35e+03
Ni XXIII *	8.2185	$2s\ 2p^3\ ^3D_1$ - $2s\ 2p^2\ 4d\ ^3F_2$	7.20	2.26e+03
Fe XXIV	8.2323	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 4d\ ^2D_{3/2}$	7.25	4.98e+04
Fe XXIV	8.2833	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.30	1.58e+04
Fe XXIII	8.3029	$2s^2\ ^1S_0$ - $2s\ 4p\ ^1P_1$	7.15	8.52e+04
Fe XXIII	8.3150	$2s^2\ ^1S_0$ - $2s\ 4p\ ^3P_1$	7.15	1.58e+04
Fe XXIV	8.3164	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 4d\ ^2D_{5/2}$	7.25	8.34e+04
Fe XXIV	8.3205	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 4d\ ^2D_{3/2}$	7.25	9.67e+03
Fe XXII *	8.3246	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 5d\ ^2F_{5/2}$	7.15	6.58e+03
Ni XXIII *	8.3531	$2s\ 2p^3\ ^3D_1$ - $2s\ 2p^2\ 4s\ ^3P_0$	7.20	1.19e+03
Fe XXIV	8.3727	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.30	3.62e+04
Fe XXII *	8.3768	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 5s\ ^2P_{1/2}$	7.15	3.74e+03
Mg XI s *	8.4015	$1s\ 3d\ ^1D_2$ - $2p\ 3d\ ^1F_3$	7.05	2.33e+03
Fe XXII *	8.4071	$1s^2\ 2s\ 2p^2\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 5d\ ^2D_{3/2}$	7.15	4.52e+03
Mg XI s *	8.4117	$1s\ 3p\ ^1P_1$ - $2s\ 3d\ ^1D_2$	7.05	1.31e+03
Mg XI s *	8.4129	$1s\ 4d\ ^1D_2$ - $2p\ 4d\ ^1F_3$	7.05	1.64e+03
Mg XII	8.4192	$1s\ ^2S_{1/2}$ - $2p\ ^2P_{3/2}$	7.10	6.66e+05
Mg XI s *	8.4204	$1s\ 5p\ ^1P_1$ - $2p\ 5p\ ^1D_2$	7.05	1.19e+03
Mg XII	8.4246	$1s\ ^2S_{1/2}$ - $2p\ ^2P_{1/2}$	7.10	3.33e+05
Mg XI s *	8.4507	$1s\ 3d\ ^3D_3$ - $2p\ 3d\ ^3F_4$	7.05	1.45e+03
Mg XI s *	8.4507	$1s\ 3p\ ^1P_1$ - $2p\ 3p\ ^1D_2$	7.05	1.23e+03
Fe XXII *	8.4585	$1s^2\ 2s\ 2p^2\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 5s\ ^2P_{1/2}$	7.15	1.72e+03
Na XI	8.4591	$1s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	7.05	3.03e+03
Na XI	8.4603	$1s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	7.05	1.51e+03
Mg XI s *	8.4956	$1s\ 2s\ ^1S_0$ - $2s\ 2p\ ^1P_1$	7.05	2.57e+03
Ni XIX	8.5121	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 7d\ ^3D_1$	7.00	1.45e+03
Mg XI s *	8.5207	$1s\ 2s\ ^3S_1$ - $2s\ 2p\ ^3P_2$	7.05	2.45e+03
Mg XI s *	8.5243	$1s\ 2s\ ^3S_1$ - $2s\ 2p\ ^3P_1$	7.05	1.50e+03
Fe XXII *	8.5262	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 4p\ ^2P_{3/2}$	7.15	1.49e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXIII	8.5289	2s 2p $^3P_0$ - 2s 4d $^3D_1$	7.15	4.92e+03
Fe XXIII	8.5500	2s 2p $^3P_1$ - 2s 4d $^3D_2$	7.15	9.43e+03
Fe XXIII	8.5515	2s 2p $^3P_1$ - 2s 4d $^3D_1$	7.15	3.55e+03
Mg XI s *	8.5516	1s 2p $^1P_1$ - 2p^2 $^1D_2$	7.05	8.23e+03
Fe XXI *	8.5707	2s^2 2p^2 $^3P_1$ - 2s^2 2p 5d $^3D_2$	7.10	4.65e+03
Fe XXI	8.5730	2s^2 2p^2 $^3P_0$ - 2s^2 2p 5d $^3D_1$	7.10	5.06e+04
Fe XXIII	8.6140	2s 2p $^3P_2$ - 2s 4d $^3D_3$	7.15	1.55e+04
Ni XIX	8.6140	2s^2 2p^6 $^1S_0$ - 2s^2 2p^5 7d $^1P_1$	7.00	2.85e+03
Fe XXIII	8.6183	2s 2p $^3P_2$ - 2s 4d $^3D_2$	7.15	3.02e+03
Fe XXI	8.6276	2s^2 2p^2 $^3P_1$ - 2s^2 2p 5d $^3D_1$	7.10	7.60e+03
Fe XXIII *	8.6339	2s 2p $^3P_1$ - 2s 4s $^3S_1$	7.15	1.95e+03
Fe XXI	8.6430	2s^2 2p^2 $^3P_2$ - 2s^2 2p 5d $^3F_3$	7.10	3.27e+03
Fe XXIII	8.6720	2p^2 $^3P_0$ - 2p 4d $^3D_1$	7.15	2.38e+03
Fe XXI *	8.7022	2s^2 2p^2 $^1S_0$ - 2s^2 2p 5d $^1P_1$	7.10	3.24e+03
Fe XXIII *	8.7054	2s 2p $^3P_2$ - 2s 4s $^3S_1$	7.15	3.46e+03
Fe XXII	8.7154	1s^2 2s^2 2p $^2P_{1/2}$ - 1s^2 2s 2p (^{3}P) 4p $^2D_{3/2}$	7.15	2.49e+04
Fe XXII	8.7222	1s^2 2s^2 2p $^2P_{1/2}$ - 1s^2 2s 2p (^{3}P) 4p $^2P_{1/2}$	7.15	1.47e+04
Ni XIX *	8.7280	2s^2 2p^6 $^1S_0$ - 2s^2 2p^5 6d $^3D_1$	7.00	2.45e+03
Fe XXII *	8.7302	1s^2 2s^2 2p $^2P_{3/2}$ - 1s^2 2s 2p (^{3}P) 4p $^2D_{5/2}$	7.10	1.63e+03
Fe XXII *	8.7394	1s^2 2s^2 2p $^2P_{1/2}$ - 1s^2 2s 2p (^{3}P) 4p $^2P_{3/2}$	7.10	8.26e+03
Ni XIX	8.7443	2s^2 2p^6 $^1S_0$ - 2s^2 2p^5 6d $^1P_1$	7.00	4.53e+03
Fe XXII *	8.7651	1s^2 2s^2 2p $^2P_{1/2}$ - 1s^2 2s 2p (^{3}P) 4p $^4D_{1/2}$	7.15	2.97e+03
Zn XXV *	8.8094	2s^2 2p^2 $^3P_0$ - 2s^2 2p 3d $^3D_1$	7.30	1.20e+03
Fe XXIII	8.8140	2s 2p $^1P_1$ - 2s 4d $^1D_2$	7.15	8.93e+04
Fe XXII *	8.8306	1s^2 2s^2 2p $^2P_{3/2}$ - 1s^2 2s 2p (^{3}P) 4p $^2P_{3/2}$	7.10	1.93e+03
Fe XXI	8.8400	2s^2 2p^2 $^3P_0$ - 2s 2p^2 4p $^3P_1$	7.10	1.99e+03
Fe XXI	8.8552	2s^2 2p^2 $^1S_0$ - 2s^2 2p 5d $^3D_1$	7.10	3.61e+03
Fe XXI	8.8981	2s^2 2p^2 $^3P_1$ - 2s 2p^2 4p $^3P_1$	7.10	1.18e+03
Fe XXIII	8.9060	2s 2p $^1P_1$ - 2s 4s $^1S_0$	7.15	4.48e+04
Fe XXIII	8.9350	2p^2 $^1S_0$ - 2p 4d $^1P_1$	7.15	4.05e+03
Fe XXII	8.9600	1s^2 2s 2p^2 $^2D_{3/2}$ - 1s^2 2s 2p (^{1}P) 4d $^2F_{5/2}$	7.10	2.44e+03
Fe XXII	8.9767	1s^2 2s^2 2p $^2P_{1/2}$ - 1s^2 2s^2 4d $^2D_{3/2}$	7.10	8.65e+04
Fe XXII *	8.9915	1s^2 2s 2p^2 $^4P_{1/2}$ - 1s^2 2s 2p (^{3}P) 4d $^4D_{1/2}$	7.10	1.29e+03
Fe XXII	8.9916	1s^2 2s 2p^2 $^4P_{1/2}$ - 1s^2 2s 2p (^{3}P) 4d $^4D_{3/2}$	7.10	1.95e+03
Fe XXII	9.0108	1s^2 2s 2p^2 $^4P_{3/2}$ - 1s^2 2s 2p (^{3}P) 4d $^2F_{5/2}$	7.15	4.49e+03
Fe XXII *	9.0273	1s^2 2s 2p^2 $^4P_{1/2}$ - 1s^2 2s 2p (^{3}P) 4d $^4F_{3/2}$	7.10	1.46e+03
Fe XXII *	9.0456	1s^2 2s 2p^2 $^4P_{3/2}$ - 1s^2 2s 2p (^{3}P) 4d $^4P_{5/2}$	7.10	3.01e+03
Fe XXII	9.0498	1s^2 2s^2 2p $^2P_{1/2}$ - 1s^2 2s2 4s $^2S_{1/2}$	7.10	1.38e+03
Ni XXVI *	9.0560	1s^2 2s $^2S_{1/2}$ - 1s^2 3p $^2P_{3/2}$	7.40	2.50e+04
Fe XXII	9.0647	1s^2 2s 2p^2 $^4P_{3/2}$ - 1s^2 2s 2p (^{3}P) 4d $^4F_{5/2}$	7.10	4.65e+03
Fe XX	9.0650	2s^2 2p^3 $^4S_{3/2}$ - 2s^2 2p^2 (^{3}P) 5d $^4P_{1/2}$	7.05	1.26e+04
Fe XX	9.0688	2s^2 2p^3 $^4S_{3/2}$ - 2s^2 2p^2 (^{3}P) 5d $^4P_{3/2}$	7.05	1.81e+04
Fe XX	9.0688	2s^2 2p^3 $^4S_{3/2}$ - 2s^2 2p^2 (^{3}P) 5d $^4P_{5/2}$	7.05	9.14e+03
Fe XXII *	9.0726	1s^2 2s 2p^2 $^2D_{3/2}$ - 1s^2 2s 2p (^{1}P) 4s $^2P_{1/2}$	7.10	1.30e+03
Fe XXII	9.0730	1s^2 2s^2 2p $^2P_{3/2}$ - 1s^2 2s^2 4d $^2D_{5/2}$	7.10	1.40e+04
Fe XXII	9.0730	1s^2 2s^2 2p $^2P_{3/2}$ - 1s^2 2s^2 4d $^2D_{3/2}$	7.10	1.66e+04
Fe XXII *	9.0837	1s^2 2s 2p^2 $^4P_{5/2}$ - 1s^2 2s 2p (^{3}P) 4d $^4F_{7/2}$	7.10	4.13e+03
Fe XXII *	9.0890	1s^2 2s 2p^2 $^4P_{5/2}$ - 1s^2 2s 2p (^{3}P) 4d $^4P_{5/2}$	7.10	1.72e+03
Ni XXVI *	9.1038	1s^2 2s $^2S_{1/2}$ - 1s^2 3p $^2P_{1/2}$	7.40	1.30e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XX	9.1100	$2s^2\ 2p^3\ {}^4S_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 5d\ {}^2P_{3/2}$	7.05	3.09e+03
Fe XX	9.1100	$2s^2\ 2p^3\ {}^4S_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 5d\ {}^4F_{5/2}$	7.05	1.32e+04
Fe XXII *	9.1197	$1s^2\ 2p^3\ {}^2D_{3/2}$ - $1s^2\ 2p^2\ ({}^1D)\ 4d\ {}^2D_{5/2}$	7.15	9.49e+03
Ni XIX	9.1391	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 5d\ {}^3D_1$	7.00	5.51e+03
Fe XXI	9.1404	$2s^2\ 2p^2\ {}^1S_0$ - $2s\ 2p^2\ 4p\ {}^3P_1$	7.10	1.74e+03
Fe XXII *	9.1462	$1s^2\ 2p^3\ {}^2D_{5/2}$ - $1s^2\ 2p^2\ ({}^1D)\ 4d\ {}^2D_{5/2}$	7.15	1.64e+04
Fe XXII *	9.1466	$1s^2\ 2s\ 2p^2\ {}^4P_{3/2}$ - $1s^2\ 2s\ 2p\ ({}^3P)\ 4s\ {}^2P_{1/2}$	7.10	1.30e+03
Fe XXII	9.1477	$1s^2\ 2s^2\ 2p\ {}^2P_{3/2}$ - $1s^2\ 2s2\ 4s\ {}^2S_{1/2}$	7.10	2.62e+03
Ni XIX	9.1533	$2s^2\ 2p^6\ {}^1S_0$ - $2s\ 2p^6\ 4p\ {}^3P_1$	7.00	1.23e+03
Fe XXI *	9.1586	$2s^2\ 2p^2\ {}^3P_0$ - $2s\ 2p^2\ 4p\ {}^3D_1$	7.10	3.31e+04
Fe XXII	9.1628	$1s^2\ 2s\ 2p^2\ {}^2P_{3/2}$ - $1s^2\ 2s\ 2p\ ({}^1P)\ 4d\ {}^2D_{5/2}$	7.15	3.08e+03
Fe XX	9.1630	$2s^2\ 2p^3\ {}^4S_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 5d\ {}^4D_{5/2}$	7.05	5.48e+03
Mg XI	9.1687	$1s^2\ {}^1S_0$ - $1s\ 2p\ {}^1P_1$	7.00	3.34e+05
Mg X s *	9.1775	$1s^2\ 3d\ {}^2D_{3/2}$ - $1s\ 2p\ ({}^1P)\ 3d\ {}^2F_{5/2}$	6.90	1.46e+03
Mg X s *	9.1776	$1s^2\ 4d\ {}^2D_{5/2}$ - $1s\ 2p\ ({}^1P)\ 4d\ {}^2F_{7/2}$	6.90	1.35e+03
Mg X s *	9.1787	$1s^2\ 3d\ {}^2D_{5/2}$ - $1s\ 2p\ ({}^1P)\ 3d\ {}^2F_{7/2}$	6.90	2.19e+03
Mg X s *	9.1816	$1s^2\ 4p\ {}^2P_{3/2}$ - $1s\ 2p\ ({}^1P)\ 4p\ {}^2D_{5/2}$	6.90	1.54e+03
Fe XXII *	9.1886	$1s^2\ 2s\ 2p^2\ {}^4P_{3/2}$ - $1s^2\ 2s\ 2p\ ({}^3P)\ 4s\ {}^4P_{1/2}$	7.10	2.29e+03
Mg X s *	9.1915	$1s^2\ 3p\ {}^2P_{1/2}$ - $1s\ 2p\ ({}^1P)\ 3p\ {}^2D_{3/2}$	6.90	1.87e+03
Mg X s *	9.1924	$1s^2\ 3p\ {}^2P_{3/2}$ - $1s\ 2p\ ({}^1P)\ 3p\ {}^2D_{5/2}$	6.90	2.89e+03
Fe XX *	9.2111	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 5d\ {}^2F_{7/2}$	7.05	1.38e+03
Fe XX	9.2160	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 5d\ {}^4P_{3/2}$	7.05	1.29e+03
Fe XX	9.2160	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 5d\ {}^4P_{5/2}$	7.05	1.65e+03
Fe XX	9.2200	$2s^2\ 2p^3\ {}^2D_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 5d\ {}^2F_{5/2}$	7.05	3.70e+03
Mg XI	9.2282	$1s^2\ {}^1S_0$ - $1s\ 2p\ {}^3P_2$	6.95	4.88e+03
Mg XI	9.2312	$1s^2\ {}^1S_0$ - $1s\ 2p\ {}^3P_1$	6.95	4.53e+04
Fe XXII	9.2407	$1s^2\ 2s\ 2p^2\ {}^2D_{3/2}$ - $1s^2\ 2s\ 2p\ ({}^3P)\ 4d\ {}^2F_{5/2}$	7.15	2.27e+04
Fe XXI *	9.2461	$2s^2\ 2p^2\ {}^3P_1$ - $2s\ 2p^2\ 4p\ {}^5D_1$	7.10	1.22e+03
Ni XIX	9.2541	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 5d\ {}^1P_1$	7.00	7.81e+03
Fe XXII *	9.2578	$1s^2\ 2s\ 2p^2\ {}^2D_{3/2}$ - $1s^2\ 2s\ 2p\ ({}^3P)\ 4d\ {}^2D_{3/2}$	7.10	3.97e+03
Fe XX	9.2809	$2s^2\ 2p^3\ {}^2D_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 5d\ {}^4D_{5/2}$	7.05	5.41e+03
Mg X s	9.2840	$1s^2\ 2s\ {}^2S_{1/2}$ - $1s\ 2s\ ({}^1S)\ 2p\ {}^2P_{1/2}$	6.90	1.38e+03
Mg X s *	9.2855	$1s^2\ 2s\ {}^2S_{1/2}$ - $1s\ 2s\ ({}^3S)\ 2p\ {}^2P_{3/2}$	6.90	2.61e+03
Mg XI	9.3143	$1s^2\ {}^1S_0$ - $1s\ 2s\ {}^3S_1$	6.95	1.54e+05
Mg X s	9.3162	$1s^2\ 2p\ {}^2P_{1/2}$ - $1s\ 2p^2\ ({}^1D)\ {}^2D_{3/2}$	6.90	2.26e+03
Mg X s	9.3197	$1s^2\ 2p\ {}^2P_{3/2}$ - $1s\ 2p^2\ ({}^1D)\ {}^2D_{5/2}$	6.90	3.57e+03
Fe XX	9.3246	$2s^2\ 2p^3\ {}^2P_{1/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 5d\ {}^4D_{3/2}$	7.05	1.64e+03
Ni XXV	9.3300	$2s^2\ {}^1S_0$ - $2s\ 3p\ {}^1P_1$	7.30	1.89e+04
Ni XXV	9.3550	$2s^2\ {}^1S_0$ - $2s\ 3p\ {}^3P_1$	7.30	1.13e+04
Fe XXII *	9.3577	$1s^2\ 2s\ 2p^2\ {}^2P_{1/2}$ - $1s^2\ 2s\ 2p\ ({}^3P)\ 4d\ {}^2D_{3/2}$	7.10	1.30e+04
Ne X	9.3616	$1s\ {}^2S_{1/2}$ - $6p\ {}^2P_{3/2}$	7.05	7.84e+03
Ne X	9.3617	$1s\ {}^2S_{1/2}$ - $6p\ {}^2P_{1/2}$	7.05	3.91e+03
Ni XX	9.3769	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 4d\ {}^2P_{3/2}$	7.05	3.34e+03
Ni XXVI *	9.3817	$1s^2\ 2p\ {}^2P_{1/2}$ - $1s^2\ 3d\ {}^2D_{3/2}$	7.40	1.59e+04
Fe XXII *	9.3833	$1s^2\ 2s\ 2p^2\ {}^2D_{3/2}$ - $1s^2\ 2s\ 2p\ ({}^3P)\ 4s\ {}^2P_{1/2}$	7.10	1.53e+04
Ni XX	9.3850	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 4d\ {}^2S_{1/2}$	7.05	2.35e+03
Ni XX	9.3850	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 4d\ {}^2F_{5/2}$	7.05	4.37e+03
Fe XXIII	9.4150	$2p^2\ {}^1S_0$ - $2s\ 4p\ {}^1P_1$	7.15	1.72e+03
Fe XXI	9.4170	$2s\ 2p^3\ {}^3D_1$ - $2s\ 2p^2\ 4d\ {}^3F_2$	7.10	3.21e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ni XX	9.4550	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^2D_{5/2}$	7.05	5.86e+03
Fe XXI	9.4751	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 4d\ ^3D_1$	7.10	1.61e+05
Ne X	9.4807	$1s\ ^2S_{1/2}$ - $5p\ ^2P_{3/2}$	7.05	1.44e+04
Ne X	9.4809	$1s\ ^2S_{1/2}$ - $5p\ ^2P_{1/2}$	7.05	7.17e+03
Fe XXII *	9.4859	$1s^2\ 2s\ 2p^2\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 4s\ ^2P_{1/2}$	7.10	6.56e+03
Cr XXII	9.4884	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{3/2}$	7.15	1.18e+03
Fe XXI *	9.5187	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 4d\ ^5P_3$	7.10	4.66e+03
Fe XIX	9.5238	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ (^2P)\ 5d\ ^3D_3$	7.00	1.19e+03
Ni XXVI *	9.5242	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{5/2}$	7.40	2.81e+04
Fe XXI *	9.5264	$2s\ 2p^3\ ^3D_1$ - $2s\ 2p^2\ 4s\ ^3P_0$	7.10	1.18e+03
Fe XXI *	9.5267	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 4d\ ^5F_2$	7.10	1.63e+03
Ni XXVI *	9.5405	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	7.40	2.97e+03
Fe XXI	9.5419	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 4d\ ^3D_1$	7.10	2.43e+04
Fe XXI	9.5480	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 4d\ ^3D_2$	7.10	1.32e+04
Ni XX	9.5580	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^2F_{5/2}$	7.05	6.93e+03
Ni XX	9.5588	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^2D_{3/2}$	7.05	3.69e+03
Fe XXI *	9.5623	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 4d\ ^3F_2$	7.10	2.89e+03
Ni XXVI *	9.5764	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	7.40	6.99e+03
Fe XXI	9.5817	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 4d\ ^3D_1$	7.10	3.03e+03
Fe XXI	9.5870	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 4d\ ^3F_3$	7.10	9.68e+03
Fe XXI *	9.6012	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 4s\ ^3P_1$	7.10	1.82e+03
Ni XXV	9.6275	$2s\ 2p\ ^3P_1$ - $2s\ 3d\ ^3D_2$	7.25	2.12e+03
Fe XIX	9.6388	$1s^2\ 2s^2\ 2p^4\ ^3P_0$ - $1s^2\ 2s^2\ 2p^3\ (^2P)\ 5d\ ^3D_1$	7.00	3.43e+03
Ni XXIV *	9.6764	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p\ 3p\ ^2D_{3/2}$	7.25	6.41e+03
Fe XXI	9.6900	$2s^2\ 2p^2\ ^1S_0$ - $2s^2\ 2p\ 4d\ ^1P_1$	7.10	6.00e+03
Fe XXI	9.6900	$2s\ 2p^3\ ^3S_1$ - $2s\ 2p^2\ 4d\ ^3P_2$	7.10	6.18e+03
Fe XIX *	9.6905	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ (^2D)\ 5d\ ^3P_2$	7.00	2.04e+04
Fe XIX	9.6910	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ (^2D)\ 5d\ ^3D_3$	7.00	1.48e+04
Fe XIX	9.6910	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ (^2D)\ 5d\ ^3S_1$	7.00	7.56e+03
Fe XVII s *	9.6921	$2s^2\ 2p^6\ ^1S_0$ - $2s\ 2p^6\ 6p\ ^1P_1$	6.95	1.85e+03
Fe XXI	9.7054	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 4d\ ^3F_3$	7.10	1.31e+03
Ne X	9.7080	$1s\ ^2S_{1/2}$ - $4p\ ^2P_{3/2}$	7.05	3.11e+04
Ne X	9.7085	$1s\ ^2S_{1/2}$ - $4p\ ^2P_{1/2}$	7.05	1.56e+04
Fe XXI *	9.7121	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 4s\ ^3P_1$	7.10	3.83e+03
Ni XXIV *	9.7190	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p\ 3p\ ^2P_{1/2}$	7.25	3.90e+03
Fe XIX	9.7260	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ (^2D)\ 5d\ ^3F_3$	7.00	1.15e+04
Fe XIX *	9.7280	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ (^2D)\ 5d\ ^3F_2$	7.00	1.54e+03
Ni XXIV *	9.7350	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p\ 3p\ ^2P_{3/2}$	7.25	2.52e+03
Ni XXVI *	9.7419	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	7.40	1.31e+04
Ni XXV	9.7550	$2s\ 2p\ ^3P_2$ - $2s\ 3d\ ^3D_3$	7.25	3.34e+03
Fe XIX *	9.7751	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ (^2D)\ 5d\ ^1P_1$	7.00	1.17e+03
Co XXV *	9.7908	$2s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	7.35	1.30e+03
Fe XIX *	9.8031	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ (^2D)\ 5d\ ^3D_2$	7.00	3.75e+03
Fe XXI	9.8060	$2s\ 2p^3\ ^3D_1$ - $2s\ 2p^2\ 4d\ ^3P_2$	7.10	3.75e+04
Fe XIX *	9.8134	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ (^2D)\ 5d\ ^3F_2$	7.00	1.29e+03
Fe XXI	9.8210	$2s^2\ 2p^2\ ^1S_0$ - $2s^2\ 2p\ 4d\ ^3D_1$	7.10	7.73e+03
Fe XXI *	9.8307	$2s\ 2p^3\ ^3S_1$ - $2s\ 2p^2\ 4s\ ^3P_0$	7.10	2.68e+03
Fe XIX *	9.8452	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ (^2D)\ 5d\ ^1F_3$	7.00	1.45e+03
Fe XIX	9.8480	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ (^4S)\ 5d\ ^3D_3$	7.00	4.07e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XIX *	9.8509	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ ({}^4S)\ 5d\ {}^3D_2$	7.00	3.92e+03
Fe XIX	9.8522	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s^2\ 2p^3\ ({}^2D)\ 5d\ {}^3S_1$	7.00	2.33e+03
Fe XIX	9.8884	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s^2\ 2p^3\ ({}^2D)\ 5d\ {}^3F_3$	7.00	1.92e+03
Fe XIX *	9.9193	$1s^2\ 2s^2\ 2p^4\ {}^3P_0$ - $1s^2\ 2s^2\ 2p^3\ ({}^4S)\ 5d\ {}^3D_1$	7.00	2.91e+03
Fe XX *	9.9209	$2s^2\ 2p^3\ {}^4S_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 4f\ {}^4F_{5/2}$	7.05	1.19e+03
Fe XIX *	9.9342	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ ({}^4S)\ 5d\ {}^3D_1$	7.00	1.28e+03
Fe XIX *	9.9385	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ ({}^4S)\ 5d\ {}^3D_2$	7.00	4.60e+03
Ni XXIV *	9.9469	$2s^2\ 2p\ {}^2P_{1/2}$ - $2s^2\ 3d\ {}^2D_{3/2}$	7.20	3.11e+04
Fe XXI	9.9506	$2s\ 2p^3\ {}^3P_1$ - $2s\ 2p^2\ 4d\ {}^3P_2$	7.10	3.96e+03
Ni XXV	9.9670	$2s\ 2p\ {}^1P_1$ - $2s\ 3d\ {}^1D_2$	7.30	3.59e+04
Fe XXI	9.9730	$2s\ 2p^3\ {}^3D_1$ - $2s\ 2p^2\ 4s\ {}^3P_0$	7.10	2.20e+04
Ni XIX	9.9771	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 4d\ {}^3D_1$	7.00	1.81e+04
Ni XXIV *	9.9789	$2s\ 2p^2\ {}^4P_{3/2}$ - $2s\ 2p\ 3d\ {}^2D_{5/2}$	7.20	2.58e+03
Fe XX	9.9980	$2s^2\ 2p^3\ {}^4S_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 4d\ {}^4D_{5/2}$	7.05	2.04e+03
Fe XX	9.9980	$2s^2\ 2p^3\ {}^4S_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 4d\ {}^4P_{3/2}$	7.05	1.69e+03
Fe XXV	10.0023	$1s\ 2s\ {}^3S_1$ - $1s\ 3p\ {}^3P_2$	7.80	7.11e+03
Fe XX *	10.0115	$2s^2\ 2p^3\ {}^4S_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 4d\ {}^4D_{3/2}$	7.05	1.58e+03
Na XI	10.0232	$1s\ {}^2S_{1/2}$ - $2p\ {}^2P_{3/2}$	7.05	2.07e+04
Fe XX *	10.0235	$2s^2\ 2p^3\ {}^4S_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 4d\ {}^4F_{5/2}$	7.05	5.80e+03
Na XI	10.0286	$1s\ {}^2S_{1/2}$ - $2p\ {}^2P_{1/2}$	7.05	1.04e+04
Fe XXV	10.0373	$1s\ 2s\ {}^3S_1$ - $1s\ 3p\ {}^3P_1$	7.80	2.27e+03
Fe XXV	10.0418	$1s\ 2s\ {}^3S_1$ - $1s\ 3p\ {}^3P_0$	7.80	1.32e+03
Ni XXIV *	10.0554	$2s\ 2p^2\ {}^4P_{3/2}$ - $2s\ 2p\ 3d\ {}^4P_{5/2}$	7.20	2.03e+03
Ni XXIII *	10.0717	$2s^2\ 2p^2\ {}^3P_0$ - $2s\ 2p^2\ 3p\ {}^5P_1$	7.20	5.05e+03
Fe XIX *	10.0747	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ ({}^4P)\ 4p\ {}^5D_2$	7.05	1.65e+03
Fe XIX *	10.0755	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ ({}^4P)\ 4p\ {}^5D_3$	7.05	1.27e+03
Ni XXV	10.0839	$2s\ 2p\ {}^3P_2$ - $2s\ 3s\ {}^3S_1$	7.25	1.23e+03
Fe XIX *	10.0860	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ ({}^4P)\ 4p\ {}^5P_1$	7.05	1.27e+03
Ni XXIV *	10.0940	$2s^2\ 2p\ {}^2P_{3/2}$ - $2s^2\ 3d\ {}^2D_{5/2}$	7.20	3.57e+03
Fe XIX *	10.1058	$1s^2\ 2s^2\ 2p^4\ {}^3P_0$ - $1s^2\ 2s\ 2p^4\ ({}^4P)\ 4p\ {}^3P_1$	7.00	1.29e+03
Ni XXIV *	10.1089	$2s^2\ 2p\ {}^2P_{3/2}$ - $2s^2\ 3d\ {}^2D_{3/2}$	7.20	5.86e+03
Ni XIX	10.1102	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 4d\ {}^1P_1$	7.00	1.88e+04
Fe XIX *	10.1138	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ ({}^4P)\ 4p\ {}^3P_2$	7.05	4.57e+03
Fe XVII	10.1150	$2s^2\ 2p^6\ {}^1S_0$ - $2s\ 2p^6\ 5p\ {}^1P_1$	6.90	4.58e+03
Fe XXI	10.1226	$2s\ 2p^3\ {}^3P_1$ - $2s\ 2p^2\ 4s\ {}^3P_0$	7.10	2.59e+03
Fe XIX *	10.1259	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ ({}^4P)\ 4p\ {}^3S_1$	7.00	2.98e+03
Fe XIX *	10.1373	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ ({}^4P)\ 4p\ {}^3D_3$	7.05	7.81e+03
Ni XXIII *	10.1384	$2s^2\ 2p^2\ {}^3P_1$ - $2s\ 2p^2\ 3p\ {}^3D_1$	7.20	1.28e+03
Fe XX *	10.1514	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 4d\ {}^2P_{1/2}$	7.05	1.44e+03
Fe XX *	10.1559	$2s^2\ 2p^3\ {}^2D_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 4d\ {}^4D_{3/2}$	7.05	1.42e+03
Fe XX *	10.1683	$2s^2\ 2p^3\ {}^2D_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 4d\ {}^4F_{5/2}$	7.05	6.15e+03
Fe XX *	10.1737	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 4d\ {}^4D_{7/2}$	7.05	2.15e+03
Fe XX *	10.2116	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 4d\ {}^4F_{5/2}$	7.05	2.34e+03
Fe XXV *	10.2202	$1s\ 2p\ {}^3P_1$ - $1s\ 3d\ {}^3D_2$	7.85	1.30e+03
Fe XXV	10.2205	$1s\ 2s\ {}^1S_0$ - $1s\ 3p\ {}^1P_1$	7.85	1.30e+03
Ne X	10.2385	$1s\ {}^2S_{1/2}$ - $3p\ {}^2P_{3/2}$	7.05	9.16e+04
Ne X	10.2396	$1s\ {}^2S_{1/2}$ - $3p\ {}^2P_{1/2}$	7.05	4.57e+04
Ni XXIV *	10.2440	$2s\ 2p^2\ {}^2D_{5/2}$ - $2s\ 2p\ 3d\ {}^2F_{5/2}$	7.20	1.17e+03
Ni XXV	10.2880	$2s\ 2p\ {}^1P_1$ - $2s\ 3s\ {}^1S_0$	7.30	1.93e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Co XXV *	10.2943	2p $^2P_{3/2}$ - 3d $^2D_{5/2}$	7.30	1.52e+03
Ni XXIV *	10.3007	2s 2p^2 $^2D_{3/2}$ - 2s 2p 3d $^2D_{5/2}$	7.20	6.20e+03
Ni XXIII *	10.3108	2s^2 2p^2 $^3P_0$ - 2s^2 2p 3d $^3D_1$	7.15	5.89e+04
Ni XXIV *	10.3191	2s 2p^2 $^2D_{3/2}$ - 2s 2p 3d $^2D_{3/2}$	7.20	2.12e+03
Fe XXV *	10.3312	1s 2p $^3P_2$ - 1s 3d $^3D_3$	7.80	2.11e+03
Mn XX *	10.3430	2s^2 2p^2 $^3P_0$ - 2s^2 2p 4d $^3D_1$	7.05	1.21e+03
Fe XVIII *	10.3437	2s^2 2p^5 $^2P_{3/2}$ - 2s^2 2p^4 (^{1}D) 5d $^2D_{3/2}$	6.95	1.54e+03
Fe XVIII *	10.3504	2s^2 2p^5 $^2P_{3/2}$ - 2s^2 2p^4 (^{1}D) 5d $^2F_{5/2}$	7.00	1.79e+04
Fe XVIII *	10.3530	2s^2 2p^5 $^2P_{3/2}$ - 2s^2 2p^4 (^{1}D) 5d $^2P_{3/2}$	7.00	1.57e+04
Fe XVIII *	10.3545	2s^2 2p^5 $^2P_{3/2}$ - 2s^2 2p^4 (^{1}D) 5d $^2S_{1/2}$	7.00	1.10e+04
Fe XXV	10.3700	1s 2p $^3P_1$ - 1s 3s $^3S_1$	7.85	1.50e+03
Fe XVII	10.3930	2s^2 2p^6 $^1S_0$ - 2s^2 2p^5 7d $^3D_1$	6.90	1.22e+04
Ni XXIII *	10.4262	2s^2 2p^2 $^3P_1$ - 2s^2 2p 3d $^3D_1$	7.15	9.45e+03
Fe XXI *	10.4268	2s 2p^3 $^3P_1$ - 2s^2 2p 4p $^3P_0$	7.10	1.95e+03
Ni XIX	10.4330	2s^2 2p^6 $^1S_0$ - 2s^2 2p^5 4s $^1P_1$	7.00	1.21e+03
Fe XVIII *	10.4338	2s^2 2p^5 $^2P_{3/2}$ - 2s^2 2p^4 (^{3}P) 5d $^2F_{5/2}$	7.00	3.29e+04
Zn XXI	10.4341	2s^2 2p^6 $^1S_0$ - 2s^2 2p^5 3d $^1P_1$	7.05	4.79e+03
Ni XXIV *	10.4408	2s 2p^2 $^2P_{1/2}$ - 2s 2p 3d $^2D_{3/2}$	7.20	2.56e+03
Fe XVIII *	10.4413	2s^2 2p^5 $^2P_{3/2}$ - 2s^2 2p^4 (^{3}P) 5d $^4D_{3/2}$	6.95	2.75e+03
Ni XXIII *	10.4453	2s^2 2p^2 $^3P_1$ - 2s^2 2p 3d $^3D_2$	7.15	2.76e+03
Fe XVIII *	10.4550	2s^2 2p^5 $^2P_{1/2}$ - 2s^2 2p^4 (^{1}D) 5d $^2P_{1/2}$	6.95	3.20e+03
Fe XVIII *	10.4571	2s^2 2p^5 $^2P_{1/2}$ - 2s^2 2p^4 (^{1}D) 5d $^2D_{3/2}$	6.95	5.55e+03
Fe XVIII *	10.4666	2s^2 2p^5 $^2P_{1/2}$ - 2s^2 2p^4 (^{1}D) 5d $^2P_{3/2}$	7.00	4.70e+03
Fe XVIII *	10.4681	2s^2 2p^5 $^2P_{1/2}$ - 2s^2 2p^4 (^{1}D) 5d $^2S_{1/2}$	7.00	1.79e+03
Fe XIX *	10.4844	1s^2 2s 2p^5 $^3P_2$ - 1s^2 2s 2p^4 (^{2}P) 4d $^3D_3$	7.00	1.51e+03
Fe XVIII *	10.4884	2s^2 2p^5 $^2P_{3/2}$ - 2s 2p^5 (^{3}P) 4p $^4D_{5/2}$	7.00	1.69e+03
Fe XXV *	10.4896	1s 2p $^1P_1$ - 1s 3d $^1D_2$	7.85	1.74e+03
Ni XXIII *	10.4960	2s 2p^3 $^5S_2$ - 2s 2p^2 3d $^5F_3$	7.15	1.36e+03
Fe XVIII *	10.4989	2s^2 2p^5 $^2P_{3/2}$ - 2s 2p^5 (^{3}P) 4p $^4D_{3/2}$	7.00	1.31e+03
Fe XXV	10.5020	1s 2p $^3P_2$ - 1s 3s $^3S_1$	7.85	2.57e+03
Fe XVII	10.5040	2s^2 2p^6 $^1S_0$ - 2s^2 2p^5 7d $^1P_1$	6.90	2.33e+04
Fe XXIII	10.5055	2s^2 $^1S_0$ - 2p 3s $^1P_1$	7.15	2.13e+03
Ni XXIII *	10.5132	2s^2 2p^2 $^3P_2$ - 2s^2 2p 3d $^3F_3$	7.15	3.31e+03
Fe XVIII *	10.5229	2s^2 2p^5 $^2P_{3/2}$ - 2s^2 2p^4 (^{3}P) 5d $^2D_{5/2}$	6.95	3.93e+04
Fe XVIII	10.5261	2s^2 2p^5 $^2P_{3/2}$ - 2s^2 2p^4 (^{3}P) 5d $^2D_{3/2}$	6.95	1.95e+04
Fe XVIII *	10.5305	2s^2 2p^5 $^2P_{3/2}$ - 2s 2p^5 (^{3}P) 4p $^2P_{1/2}$	7.00	1.66e+03
Fe XVIII *	10.5333	2s^2 2p^5 $^2P_{3/2}$ - 2s^2 2p^4 (^{3}P) 5d $^2P_{1/2}$	7.00	5.67e+03
Fe XVIII *	10.5436	2s^2 2p^5 $^2P_{1/2}$ - 2s^2 2p^4 (^{3}P) 5d $^2P_{3/2}$	6.95	1.93e+03
Cr XXI *	10.5481	2s 2p $^1P_1$ - 2s 4d $^1D_2$	7.10	1.18e+03
Fe XVIII *	10.5506	2s^2 2p^5 $^2P_{3/2}$ - 2s 2p^5 (^{3}P) 4p $^4P_{5/2}$	7.00	3.76e+03
Fe XVIII *	10.5525	2s^2 2p^5 $^2P_{3/2}$ - 2s 2p^5 (^{3}P) 4p $^2P_{3/2}$	7.00	4.16e+03
Ni XXIV *	10.5637	2s^2 2p $^2P_{3/2}$ - 2s^2 3s $^2S_{1/2}$	7.20	1.64e+03
Ni XXIII *	10.5639	2s^2 2p^2 $^1S_0$ - 2s 2p^2 3p $^5P_1$	7.20	2.29e+03
Fe XVIII *	10.5654	2s^2 2p^5 $^2P_{3/2}$ - 2s 2p^5 (^{3}P) 4p $^2D_{5/2}$	6.95	2.22e+03
Ni XXIII *	10.5675	2s^2 2p^2 $^3P_2$ - 2s^2 2p 3d $^3F_2$	7.15	1.48e+03
Fe XVIII	10.5800	2s^2 2p^5 $^2P_{3/2}$ - 2s^2 2p^4 (^{3}P) 5s $^4P_{1/2}$	6.95	2.21e+03
Fe XXV	10.5878	1s 2p $^1P_1$ - 1s 3s $^1S_0$	7.85	4.41e+03
Fe XIX *	10.6111	1s^2 2s^2 2p^4 $^3P_2$ - 1s^2 2s^2 2p^3 4d $^1P_1$	7.00	2.81e+03
Fe XXIV	10.6190	1s^2 2s $^2S_{1/2}$ - 1s^2 3p $^2P_{3/2}$	7.30	5.02e+05

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XIX *	10.6230	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3G_5$	7.00	2.90e+03
Fe XIX	10.6320	$1s^2\ 2s^2\ 2p^4\ {}^3P_0$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3D_1$	7.00	9.47e+03
Fe XIX	10.6323	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3S_1$	7.00	1.72e+04
Fe XIX	10.6326	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3P_2$	7.00	4.23e+04
Ni XXIII *	10.6355	$2s\ 2p^3\ {}^3S_1$ - $2s\ 2p^2\ 3d\ {}^3D_2$	7.15	1.84e+03
Fe XVIII	10.6410	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 5d\ {}^2D_{3/2}$	6.95	2.90e+03
Fe XIX *	10.6478	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3D_3$	7.00	1.91e+03
Fe XIX *	10.6506	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^1F_3$	7.00	1.25e+03
Fe XIX	10.6550	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3D_3$	7.00	2.70e+04
Fe XVII	10.6570	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^6\ 6d\ {}^3D_1$	6.90	2.08e+04
Fe XIX	10.6574	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3D_2$	7.00	1.77e+03
Zn XXI	10.6630	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 3d\ {}^3D_1$	7.05	2.34e+03
Fe XXIV	10.6630	$1s^2\ 2s\ {}^2S_{1/2}$ - $1s^2\ 3p\ {}^2P_{1/2}$	7.30	2.62e+05
Fe XIX *	10.6682	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3D_1$	7.00	1.42e+03
Fe XVIII *	10.6692	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 5s\ {}^2P_{3/2}$	7.00	1.41e+03
Fe XIX	10.6840	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3F_3$	7.00	2.76e+04
Fe XIX	10.7016	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3F_2$	7.00	4.64e+03
Fe XIX *	10.7128	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^1P_1$	7.00	4.09e+03
Fe XIX *	10.7248	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3F_3$	7.00	2.22e+03
Fe XIX *	10.7263	$1s^2\ 2s\ 2p^5\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ ({}^2P)\ 4s\ {}^3P_2$	7.00	8.79e+03
Fe XIX	10.7344	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3S_1$	7.00	1.37e+03
Fe XIX	10.7347	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3P_2$	7.00	1.45e+03
Fe XIX	10.7436	$1s^2\ 2s^2\ 2p^4\ {}^3P_0$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3P_1$	7.00	1.48e+03
Ni XXIII *	10.7518	$2s\ 2p^3\ {}^3D_1$ - $2s\ 2p^2\ 3d\ {}^3P_2$	7.15	1.06e+04
Fe XIX *	10.7536	$1s^2\ 2s^2\ 2p^4\ {}^3P_0$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3D_1$	7.00	2.07e+03
Fe XIX	10.7575	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3D_3$	7.00	1.86e+04
Fe XIX	10.7600	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3D_2$	7.00	7.96e+03
Fe XIX	10.7600	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3P_1$	7.00	2.73e+03
Ne IX	10.7643	$1s^2\ {}^1S_0$ - $1s\ 5p\ {}^1P_1$	6.90	4.78e+03
Ni XXIV *	10.7684	$2s\ 2p^2\ {}^2D_{3/2}$ - $2s\ 2p\ 3s\ {}^2P_{1/2}$	7.20	9.38e+03
Fe XVII	10.7700	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^6\ 6d\ {}^1P_1$	6.90	3.66e+04
Co XXIII *	10.7945	$2s^2\ 2p\ {}^2P_{1/2}$ - $2s^2\ 3d\ {}^2D_{3/2}$	7.15	1.75e+03
Fe XIX *	10.7946	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^1D_2$	7.00	2.35e+03
Fe XIX *	10.7989	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 4f\ {}^3F_4$	7.00	1.98e+03
Fe XIX *	10.7993	$1s^2\ 2s\ 2p^5\ {}^3P_1$ - $1s^2\ 2s\ 2p^4\ ({}^2P)\ 4s\ {}^3P_2$	7.00	2.27e+03
Co XXIV	10.8003	$2s\ 2p\ {}^1P_1$ - $2s\ 3d\ {}^1D_2$	7.20	2.01e+03
Fe XIX	10.8050	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3F_2$	7.00	2.85e+03
Fe XIX	10.8050	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^1F_3$	7.00	5.37e+03
Fe XIX *	10.8104	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^1P_1$	7.00	1.54e+03
Fe XXIII	10.8130	$2s\ 2p\ {}^3P_2$ - $2p\ 3d\ {}^3F_4$	7.15	1.66e+03
Fe XIX	10.8160	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3D_3$	7.00	8.13e+04
Fe XIX	10.8267	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3S_1$	7.00	5.85e+03
Fe XIX	10.8271	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3D_2$	7.00	7.41e+03
Fe XIX *	10.8278	$1s^2\ 2s\ 2p^5\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ ({}^2D)\ 5p\ {}^3D_2$	7.00	2.61e+03
Fe XX *	10.8313	$2s\ 2p^4\ {}^4P_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 4d\ {}^2F_{5/2}$	7.05	1.57e+03
Fe XX *	10.8475	$2s\ 2p^4\ {}^4P_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 4d\ {}^4F_{5/2}$	7.05	1.65e+03
Fe XIX *	10.8712	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s2\ 2p^3\ 4s\ {}^3D_3$	7.00	2.80e+03
Fe XIX	10.8803	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ {}^3F_3$	7.00	2.05e+03
Fe XXIII	10.8957	$2s\ 2p\ {}^3P_0$ - $2p\ 3p\ {}^1P_1$	7.15	1.90e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXIII *	10.8979	2s 2p $^3P_2$ - 2p 3p $^3S_1$	7.15	1.65e+03
Ni XXIV *	10.9009	2s $2p^2$ $^2P_{1/2}$ - 2s 2p 3s $^2P_{1/2}$	7.20	3.69e+03
Fe XXIII	10.9028	2s 2p $^3P_2$ - 2p 3p $^3P_2$	7.15	1.94e+03
Ni XXIII *	10.9062	$2s^2$ $2p^2$ $^3P_0$ - $2s^2$ 2p 3s $^3P_1$	7.15	1.61e+03
Fe XIX	10.9161	$1s^2$ $2s^2$ $2p^4$ $^3P_0$ - $1s^2$ $2s^2$ $2p^3$ 4d $^3D_1$	7.00	5.24e+03
Fe XIX *	10.9169	$1s^2$ $2s^2$ $2p^4$ $^3P_2$ - $1s^2$ 2s2 $2p^3$ 4s $^3D_2$	7.00	1.66e+03
Fe XX *	10.9256	2s $2p^4$ $^4P_{5/2}$ - $2s^2$ $2p^2$ (^{3}P) 4d $^4P_{5/2}$	7.05	2.61e+03
Fe XXIII	10.9270	2s 2p $^3P_2$ - 2p 3p $^3D_3$	7.15	2.58e+03
Fe XXII *	10.9319	$1s^2$ $2s^2$ 2p $^2P_{1/2}$ - $1s^2$ 2s 2p (^{1}P) 3p $^2S_{1/2}$	7.10	2.74e+03
Fe XIX	10.9329	$1s^2$ $2s^2$ $2p^4$ $^3P_1$ - $1s^2$ $2s^2$ $2p^3$ 4d $^3D_2$	7.00	9.44e+03
Fe XIX	10.9330	$1s^2$ $2s^2$ $2p^4$ $^3P_1$ - $1s^2$ $2s^2$ $2p^3$ 4d $^3D_1$	7.00	2.06e+03
Fe XXIII	10.9351	2s 2p $^3P_1$ - 2p 3p $^3D_2$	7.15	4.11e+03
Fe XX *	10.9555	2s $2p^4$ $^4P_{5/2}$ - $2s^2$ $2p^2$ (^{3}P) 4p $^4P_{1/2}$	7.05	1.92e+03
Ni XIX *	10.9754	$2s^2$ $2p^6$ $^1S_0$ - 2s $2p^6$ 3d $^1D_2$	7.00	2.53e+03
Fe XIX *	10.9771	$1s^2$ 2s $2p^5$ $^3P_1$ - $1s^2$ $2s^2$ $2p^3$ (^{4}S) 5p $^3P_2$	7.00	7.15e+03
Fe XXIII	10.9800	$2s^2$ $^1S_0$ - 2s 3p $^1P_1$	7.15	3.68e+05
Fe XIX	10.9810	$1s^2$ 2s $2p^5$ $^3P_2$ - $1s^2$ 2s $2p^4$ (^{4}P) 4d $^5P_2$	7.00	1.69e+03
Fe XIX	10.9810	$1s^2$ 2s $2p^5$ $^3P_2$ - $1s^2$ 2s $2p^4$ (^{4}P) 4d $^5F_3$	7.00	1.78e+03
Fe XX *	10.9839	2s $2p^4$ $^4P_{5/2}$ - $2s^2$ $2p^2$ (^{3}P) 4p $^2S_{1/2}$	7.05	2.30e+03
Fe XX *	10.9866	2s $2p^4$ $^4P_{3/2}$ - $2s^2$ $2p^2$ (^{3}P) 4p $^4S_{3/2}$	7.05	2.23e+04
Fe XXII *	10.9902	$1s^2$ $2s^2$ 2p $^2P_{1/2}$ - $1s^2$ 2s 2p (^{1}P) 3p $^2P_{3/2}$	7.10	1.52e+03
Fe XIX *	10.9982	$1s^2$ 2s $2p^5$ $^3P_1$ - $1s^2$ $2s^2$ $2p^3$ (^{4}S) 5p $^5P_2$	7.00	3.36e+03
Ne IX	11.0003	$1s^2$ $^1S_0$ - 1s 4p $^1P_1$	6.90	9.17e+03
Fe XIX *	11.0020	$1s^2$ 2s $2p^5$ $^3P_1$ - $1s^2$ 2s $2p^4$ (^{4}P) 4d $^3P_2$	7.00	1.61e+03
Na X	11.0027	$1s^2$ $^1S_0$ - 1s 2p $^1P_1$	6.90	5.98e+03
Fe XX *	11.0065	2s $2p^4$ $^4P_{3/2}$ - $2s^2$ $2p^2$ (^{3}P) 4d $^4P_{5/2}$	7.05	1.94e+04
Fe XXIII	11.0180	$2s^2$ $^1S_0$ - 2s 3p $^3P_1$	7.15	2.36e+05
Fe XXIII	11.0182	2s 2p $^3P_1$ - 2p 3p $^3D_1$	7.15	1.57e+03
Fe XX *	11.0208	2s $2p^4$ $^4P_{3/2}$ - $2s^2$ $2p^2$ (^{3}P) 4d $^4F_{3/2}$	7.05	3.11e+03
Fe XVII	11.0230	$2s^2$ $2p^6$ $^1S_0$ - 2s $2p^6$ 4p $^1P_1$	6.90	1.38e+04
Fe XXIV	11.0290	$1s^2$ 2p $^2P_{1/2}$ - $1s^2$ 3d $^2D_{3/2}$	7.25	3.32e+05
Fe XIX *	11.0295	$1s^2$ 2s $2p^5$ $^3P_2$ - $1s^2$ 2s $2p^4$ (^{4}P) 4d $^3D_2$	7.00	3.65e+03
Fe XX *	11.0299	2s $2p^4$ $^4P_{5/2}$ - $2s^2$ $2p^2$ (^{3}P) 4s $^4P_{5/2}$	7.05	4.42e+03
Fe XX *	11.0302	2s $2p^4$ $^4P_{3/2}$ - $2s^2$ $2p^2$ (^{3}P) 4p $^2D_{3/2}$	7.05	3.41e+03
Fe XX *	11.0320	2s $2p^4$ $^4P_{1/2}$ - $2s^2$ $2p^2$ (^{3}P) 4p $^4P_{5/2}$	7.05	2.78e+03
Fe XX *	11.0332	2s $2p^4$ $^4P_{1/2}$ - $2s^2$ $2p^2$ (^{3}P) 4d $^4P_{5/2}$	7.05	1.15e+04
Fe XIX *	11.0340	$1s^2$ 2s $2p^5$ $^3P_2$ - $1s^2$ 2s $2p^4$ (^{4}P) 4d $^3D_3$	7.00	6.58e+03
Fe XXII *	11.0378	$1s^2$ $2s^2$ 2p $^2P_{1/2}$ - $1s^2$ 2s 2p (^{1}P) 3p $^2P_{1/2}$	7.10	1.74e+03
Fe XVII	11.0430	$2s^2$ $2p^6$ $^1S_0$ - 2s $2p^6$ 4p $^3P_1$	6.90	1.45e+03
Fe XX *	11.0474	2s $2p^4$ $^4P_{3/2}$ - $2s^2$ $2p^2$ (^{3}P) 4p $^4D_{5/2}$	7.05	2.10e+03
Fe XIX *	11.0648	$1s^2$ 2s $2p^5$ $^3P_1$ - $1s^2$ 2s $2p^4$ (^{4}P) 4d $^5D_1$	7.00	1.17e+03
Fe XXIII *	11.0678	2s 2p $^1P_1$ - 2p 3p $^1S_0$	7.15	2.83e+03
Fe XIX *	11.0722	$1s^2$ $2s^2$ $2p^4$ $^3P_2$ - $1s^2$ 2s2 $2p^3$ 4s $^3S_1$	7.00	2.32e+03
Ni XXIII *	11.1043	$2s^2$ $2p^2$ $^3P_2$ - $2s^2$ 2p 3s $^3P_1$	7.15	3.01e+03
Ni XXIV *	11.1266	2s $2p^2$ $^2D_{5/2}$ - $2s^2$ 3p $^2P_{3/2}$	7.20	1.45e+03
Fe XVIII *	11.1288	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{1}S) 4d $^2D_{5/2}$	6.95	3.14e+03
Fe XVII	11.1290	$2s^2$ $2p^6$ $^1S_0$ - $2s^2$ $2p^5$ 5d $^3D_1$	6.90	4.76e+04
Ni XXIV *	11.1326	2s $2p^2$ $^2D_{3/2}$ - $2s^2$ 3p $^2P_{1/2}$	7.20	4.58e+03
Fe XXII *	11.1349	$1s^2$ $2s^2$ 2p $^2P_{3/2}$ - $1s^2$ 2s 2p (^{1}P) 3p $^2P_{3/2}$	7.10	5.98e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ni XX	11.1380	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^4P_{5/2}$	7.05	1.65e+03
Fe XXII *	11.1471	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3p\ ^2D_{5/2}$	7.10	4.14e+03
Ni XX	11.1580	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^2P_{3/2}$	7.05	1.63e+03
Fe XX	11.1614	$2s\ 2p^4\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4P_{1/2}$	7.05	1.28e+04
Fe XXIII	11.1662	$2s\ 2p\ ^1P_1$ - $2p\ 3p\ ^1D_2$	7.15	3.57e+03
Fe XXIV	11.1709	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{5/2}$	7.25	5.81e+05
Fe XXII *	11.1736	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3p\ ^2D_{3/2}$	7.10	4.23e+03
Fe XX *	11.1838	$2s\ 2p^4\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4F_{9/2}$	7.05	2.12e+03
Fe XXII *	11.1838	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3p\ ^2P_{1/2}$	7.10	4.35e+03
Fe XXIV	11.1879	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	7.25	6.49e+04
Na X	11.1915	$1s^2\ ^1S_0$ - $1s\ 2s\ ^3S_1$	6.85	2.34e+03
Co XXII *	11.2065	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 3d\ ^3D_1$	7.15	3.19e+03
Fe XX *	11.2171	$2s\ 2p^4\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^2P_{3/2}$	7.05	2.92e+03
Ni XX	11.2260	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^4D_{3/2}$	7.05	1.23e+03
Ni XX	11.2260	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^2D_{5/2}$	7.05	2.19e+03
Fe XX *	11.2266	$2s\ 2p^4\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4f\ ^4G_{7/2}$	7.05	4.87e+03
Ni XXI	11.2269	$2s^2\ 2p^4\ ^3P_0$ - $2s^2\ 2p^3\ (^2P)\ 3d\ ^3P_1$	7.10	1.37e+03
Ni XXI *	11.2305	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3S_1$	7.10	8.18e+03
Ni XXIII *	11.2396	$2s\ 2p^3\ ^3S_1$ - $2s\ 2p^2\ 3s\ ^3P_0$	7.15	1.56e+03
Fe XX *	11.2399	$2s\ 2p^4\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^2P_{3/2}$	7.05	1.19e+04
Ni XXI	11.2410	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^1F_3$	7.10	3.50e+03
Ni XXI	11.2423	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^2P)\ 3d\ ^3F_3$	7.10	1.33e+03
Fe XXIII	11.2443	$2s\ 2p\ ^3P_1$ - $2s\ 3d\ ^1D_2$	7.15	4.71e+03
Fe XIX *	11.2482	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ (^4P)\ 4s\ ^5P_2$	7.00	1.87e+03
Fe XVII	11.2500	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 5d\ ^1P_1$	6.90	6.55e+04
Fe XVIII	11.2530	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^1S)\ 4d\ ^2D_{3/2}$	6.95	1.23e+03
Fe XXII *	11.2558	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^2S_{1/2}$	7.15	2.57e+03
Fe XXIV	11.2606	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	7.25	1.31e+05
Fe XIX *	11.2699	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ (^4P)\ 4s\ ^3P_0$	7.00	1.34e+03
Fe XX *	11.2714	$2s\ 2p^4\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4p\ ^4S_{3/2}$	7.05	4.38e+03
Ni XX	11.2820	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^4D_{5/2}$	7.05	1.24e+03
Ni XXIII *	11.2861	$2s\ 2p^3\ ^3D_1$ - $2s\ 2p^2\ 3s\ ^3P_0$	7.15	8.69e+03
Fe XVII	11.2870	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 5s\ ^3P_1$	6.90	1.95e+03
Fe XIX	11.2920	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ (^4P)\ 4s\ ^3P_2$	7.00	1.05e+04
Fe XXIII	11.2991	$2s\ 2p\ ^3P_0$ - $2s\ 3d\ ^3D_1$	7.15	2.60e+04
Ni XXI	11.3020	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3P_2$	7.10	2.00e+04
Fe XX *	11.3074	$2s\ 2p^4\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4F_{3/2}$	7.05	2.79e+03
Fe XXII *	11.3093	$1s^2\ 2s\ 2p^2\ ^4P_{1/2}$ - $1s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{1/2}$	7.10	5.45e+03
Fe XVIII	11.3093	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 4d\ ^2D_{3/2}$	6.95	2.61e+03
Fe XVIII *	11.3106	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 4d\ ^2S_{1/2}$	6.95	2.59e+04
Ni XXI *	11.3118	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3D_2$	7.10	1.96e+03
Fe XX *	11.3173	$2s\ 2p^4\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4p\ ^2D_{3/2}$	7.05	1.71e+03
Ni XXI	11.3186	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3D_3$	7.10	3.60e+04
Fe XXII *	11.3210	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2\ 2p^2\ (^1D)\ 3p\ ^2D_{5/2}$	7.15	1.19e+03
Fe XVIII	11.3261	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 4d\ ^2F_{5/2}$	6.95	4.06e+03
Fe XVIII	11.3261	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 4d\ ^2D_{5/2}$	6.95	4.57e+04
Fe XVIII	11.3261	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 4d\ ^2P_{3/2}$	6.95	3.96e+04
Fe XXIII	11.3367	$2s\ 2p\ ^3P_1$ - $2s\ 3d\ ^3D_2$	7.15	4.47e+04
Fe XXIII	11.3388	$2s\ 2p\ ^3P_1$ - $2s\ 3d\ ^3D_1$	7.15	1.88e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXI *	11.3459	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^2\ 3p\ ^3P_1$	7.10	1.19e+04
Ni XXIII *	11.3529	$2s\ 2p^3\ ^3D_1$ - $2s^2\ 2p\ 3p\ ^1S_0$	7.15	4.26e+03
Fe XX	11.3549	$2s\ 2p^4\ ^2S_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4P_{1/2}$	7.05	5.70e+03
Fe XXII *	11.3566	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^4S_{3/2}$	7.15	4.69e+03
Fe XXII *	11.3678	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2\ 2p^2\ (^1D)\ 3p\ ^2F_{7/2}$	7.10	5.36e+03
Fe XIX	11.3714	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ (^4P)\ 4s\ ^3P_2$	7.00	2.22e+03
Fe XXII *	11.3806	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^4P_{3/2}$	7.15	2.35e+04
Ni XXI *	11.3819	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3G_3$	7.10	1.27e+03
Ni XXI *	11.3860	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3F_3$	7.10	5.28e+03
Cr XIX *	11.3871	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 4d\ ^3D_1$	7.00	1.52e+03
Ni XXI *	11.4041	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3F_2$	7.10	2.01e+03
Fe XXII *	11.4076	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^2S_{1/2}$	7.15	1.31e+04
Fe XX	11.4161	$2s\ 2p^4\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4P_{1/2}$	7.05	1.39e+04
Fe XVIII *	11.4181	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^4P_{5/2}$	6.95	1.22e+03
Fe XVII	11.4200	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 5s\ ^1P_1$	6.90	2.40e+03
Fe XVIII	11.4200	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^2D_{5/2}$	6.95	7.30e+04
Fe XX *	11.4215	$2s\ 2p^4\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4F_{9/2}$	7.05	1.63e+03
Fe XVIII *	11.4238	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^2D_{3/2}$	6.95	6.00e+03
Fe XXIV	11.4263	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	7.25	2.83e+05
Ni XXI *	11.4284	$2s^2\ 2p^4\ ^3P_1$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^1P_1$	7.10	1.61e+03
Fe XXI *	11.4398	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^2\ 3p\ ^3P_1$	7.10	7.11e+03
Fe XXII	11.4416	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^2D_{3/2}$	7.10	3.16e+04
Fe XVIII	11.4420	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 4d\ ^2P_{1/2}$	6.95	5.95e+03
Fe XVIII	11.4420	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 4d\ ^2D_{3/2}$	6.95	1.12e+04
Fe XXIII	11.4423	$2s\ 2p\ ^3P_2$ - $2s\ 3d\ ^3D_3$	7.15	7.35e+04
Fe XVIII *	11.4425	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^4F_{5/2}$	6.95	2.11e+03
Fe XXI *	11.4439	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^2\ 3p\ ^3D_2$	7.10	3.76e+03
Fe XVIII *	11.4462	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^4F_{3/2}$	6.95	1.54e+03
Fe XVIII *	11.4463	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 4d\ ^2S_{1/2}$	6.95	1.48e+03
Fe XXIII	11.4571	$2s\ 2p\ ^3P_2$ - $2s\ 3d\ ^3D_2$	7.15	1.44e+04
Fe XXII *	11.4574	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^4P_{1/2}$	7.10	3.20e+03
Fe XXII	11.4590	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^2D_{5/2}$	7.15	2.69e+03
Fe XVIII	11.4592	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 4d\ ^2P_{3/2}$	6.95	9.49e+03
Fe XXIII	11.4592	$2s\ 2p\ ^3P_2$ - $2s\ 3d\ ^3D_1$	7.15	1.23e+03
Ni XXI	11.4683	$2s^2\ 2p^4\ ^3P_1$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3P_2$	7.10	3.25e+03
Fe XXI *	11.4701	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^2\ 3p\ ^3D_1$	7.10	1.80e+03
Ni XXI *	11.4789	$2s^2\ 2p^4\ ^3P_1$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3D_2$	7.10	3.68e+03
Fe XXIII	11.4851	$2p^2\ ^3P_0$ - $2p\ 3d\ ^3D_1$	7.15	8.82e+03
Fe XXII *	11.4993	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^2P_{1/2}$	7.10	6.93e+04
Fe XXI *	11.5053	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^2\ 3p\ ^3D_2$	7.10	1.25e+03
Fe XXII *	11.5099	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^4P_{5/2}$	7.10	2.34e+03
Ni XXI *	11.5100	$2s^2\ 2p^4\ ^1D_2$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3S_1$	7.10	3.20e+03
Fe XXII	11.5101	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^2P_{3/2}$	7.10	4.29e+04
Fe XXII *	11.5111	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^4S_{3/2}$	7.15	1.71e+04
Ni XXI	11.5158	$2s^2\ 2p^4\ ^1D_2$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^1F_3$	7.10	5.34e+03
Zn XXI	11.5160	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3s\ ^3P_1$	7.05	2.40e+03
Fe XXIII	11.5190	$2p^2\ ^3P_2$ - $2p\ 3d\ ^3D_3$	7.15	1.60e+03
Fe XVIII *	11.5225	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^2P_{1/2}$	6.95	7.42e+03
Fe XVIII	11.5250	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^2F_{5/2}$	6.95	6.88e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XVIII	11.5250	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^4P_{3/2}$	6.95	3.71e+04
Fe XXI *	11.5282	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^2\ 3p\ ^3D_1$	7.10	2.29e+03
Fe XXII *	11.5358	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^4P_{3/2}$	7.15	8.60e+04
Fe XX *	11.5369	$2s\ 2p^4\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4p\ ^4S_{3/2}$	7.05	1.11e+04
Ni XIX	11.5389	$2s^2\ 2p^6\ ^1S_0$ - $2s\ 2p^6\ 3p\ ^1P_1$	7.00	1.29e+04
Ni XXI	11.5393	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^4S)\ 3d\ ^3D_3$	7.10	1.49e+04
Fe XXI *	11.5415	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^2\ 3p\ ^3P_1$	7.10	1.53e+03
Fe XX	11.5447	$2s\ 2p^4\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4P_{1/2}$	7.05	2.17e+03
Fe XX *	11.5459	$2s\ 2p^4\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4p\ ^4D_{7/2}$	7.05	2.78e+03
Ne IX	11.5466	$1s^2\ ^1S_0$ - $1s\ 3p\ ^1P_1$	6.90	2.45e+04
Mn XXIII *	11.5488	$2s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	7.20	4.34e+03
Ni XX *	11.5491	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1S)\ 3d\ ^2D_{5/2}$	7.05	3.39e+03
Fe XVIII	11.5511	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^2P_{3/2}$	6.95	5.31e+03
Ni XXI *	11.5549	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^4S)\ 3d\ ^3D_2$	7.10	3.11e+03
Fe XX *	11.5588	$2s\ 2p^4\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4P_{5/2}$	7.05	4.43e+03
Fe XVIII *	11.5622	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^2D_{3/2}$	6.95	1.83e+03
Fe XXII *	11.5661	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^4D_{3/2}$	7.10	1.42e+04
Fe XVIII *	11.5714	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^1P)\ 4s\ ^2P_{3/2}$	6.95	2.08e+03
Fe XX *	11.5746	$2s\ 2p^4\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4F_{3/2}$	7.05	2.93e+03
Fe XXIII *	11.5792	$2p^2\ ^1D_2$ - $2p\ 3d\ ^1P_1$	7.15	1.28e+03
Fe XXIII	11.5797	$2p^2\ ^3P_1$ - $2p\ 3d\ ^3D_1$	7.15	1.84e+03
Fe XX *	11.5849	$2s\ 2p^4\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4p\ ^2D_{3/2}$	7.05	2.28e+03
Mn XXIII *	11.5905	$2s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	7.20	2.23e+03
Fe XXIII	11.5945	$2p^2\ ^1D_2$ - $2p\ 3d\ ^1F_3$	7.15	3.33e+03
Ni XIX	11.5990	$2s^2\ 2p^6\ ^1S_0$ - $2s\ 2p^6\ 3p\ ^3P_1$	7.00	2.93e+03
Fe XX *	11.6039	$2s\ 2p^4\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4p\ ^4D_{5/2}$	7.05	1.18e+03
Fe XXII *	11.6050	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^4D_{1/2}$	7.10	2.28e+04
Ni XXI *	11.6111	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^4S)\ 3d\ ^5D_4$	7.10	1.16e+03
Fe XXIII	11.6140	$2p^2\ ^3P_1$ - $2p\ 3d\ ^3D_2$	7.15	3.55e+03
Fe XXII *	11.6147	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^4P_{1/2}$	7.10	3.27e+03
Ni XXI *	11.6211	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^4S)\ 3d\ ^5D_3$	7.10	1.50e+03
Fe XXIII *	11.6214	$2s\ 2p\ ^3P_2$ - $2s\ 3p\ ^3P_0$	7.15	1.39e+03
Fe XVIII *	11.6214	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 4s\ ^2D_{5/2}$	6.95	3.76e+03
Ni XXI *	11.6219	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^4S)\ 3d\ ^5D_2$	7.10	1.24e+03
Fe XXI *	11.6251	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^2\ 3p\ ^3D_1$	7.10	2.33e+03
Fe XXIII	11.6331	$2s\ 2p\ ^3P_1$ - $2s\ 3s\ ^1S_0$	7.15	4.10e+03
Fe XX *	11.6482	$2s\ 2p^4\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 4p\ ^2D_{5/2}$	7.05	1.23e+03
Fe XVIII *	11.6491	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^3P)\ 4d\ ^4D_{1/2}$	6.95	1.72e+03
Fe XXII *	11.6536	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^4D_{5/2}$	7.10	1.04e+04
Fe XXII *	11.6578	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^2P_{1/2}$	7.10	6.11e+03
Fe XVIII *	11.6586	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^3P)\ 4d\ ^4D_{3/2}$	6.95	1.50e+03
Fe XVIII	11.6629	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^4P_{3/2}$	6.95	2.96e+03
Fe XXII	11.6690	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^2P_{3/2}$	7.10	1.55e+04
Fe XXIII	11.6753	$2s\ 2p\ ^3P_0$ - $2s\ 3s\ ^3S_1$	7.15	5.44e+03
Fe XXI *	11.6832	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^2\ 3p\ ^3P_1$	7.10	1.82e+03
Fe XXI *	11.6884	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^2\ 3p\ ^3D_1$	7.10	3.83e+03
Fe XXIII	11.6919	$2p^2\ ^3P_2$ - $2p\ 3d\ ^3F_3$	7.15	3.11e+03
Ni XXIII *	11.6933	$2s\ 2p^3\ ^3D_1$ - $2s^2\ 2p\ 3p\ ^3P_0$	7.15	8.50e+03
Fe XVIII *	11.6999	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^3P)\ 4d\ ^2P_{1/2}$	6.95	1.84e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXI *	11.7033	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^2\ 3p\ ^3D_1$	7.10	3.11e+03
Fe XX *	11.7070	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^3\ (^3S)\ 3p\ ^2P_{3/2}$	7.05	1.45e+03
Fe XXIII	11.7177	$2s\ 2p\ ^3P_1$ - $2s\ 3s\ ^3S_1$	7.15	1.61e+04
Fe XVIII *	11.7193	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^3P)\ 4d\ ^2D_{3/2}$	6.95	3.12e+03
Ni XXIII *	11.7244	$2s\ 2p^3\ ^3D_2$ - $2s^2\ 2p\ 3p\ ^1P_1$	7.15	1.27e+03
Fe XXI *	11.7248	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^2\ 3p\ ^1P_1$	7.10	1.61e+03
Fe XXII *	11.7264	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^4D_{3/2}$	7.10	1.57e+04
Ni XXI *	11.7293	$2s^2\ 2p^4\ ^3P_1$ - $2s^2\ 2p^3\ (^4S)\ 3d\ ^3D_2$	7.10	1.18e+03
Fe XVIII *	11.7350	$2s\ 2p^6\ ^2S_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 5p\ ^2D_{3/2}$	6.95	1.22e+04
Fe XX *	11.7370	$2s\ 2p^4\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4s\ ^4P_{3/2}$	7.05	3.94e+03
Fe XXIII	11.7370	$2s\ 2p\ ^1P_1$ - $2s\ 3d\ ^1D_2$	7.15	7.32e+05
Fe XXII *	11.7380	$1s^2\ 2s\ 2p^2\ ^4P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2D_{3/2}$	7.10	1.38e+04
Fe XX	11.7390	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^3\ (^3S)\ 3p\ ^4P_{5/2}$	7.05	1.50e+04
Fe XXII	11.7416	$1s^2\ 2s\ 2p^2\ ^4P_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2F_{5/2}$	7.10	2.22e+03
Fe XXII	11.7470	$1s^2\ 2s\ 2p^2\ ^4P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4D_{5/2}$	7.10	4.03e+03
Fe XXII	11.7472	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3d\ ^2F_{5/2}$	7.10	1.99e+04
Fe XXIII *	11.7521	$2p^2\ ^3P_2$ - $2p\ 3d\ ^3F_2$	7.15	2.38e+03
Fe XX *	11.7623	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^3\ (^3S)\ 3p\ ^4P_{3/2}$	7.05	4.74e+03
Fe XVIII *	11.7631	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 4s\ ^2D_{3/2}$	6.95	1.63e+03
Fe XX *	11.7633	$2s\ 2p^4\ ^2S_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 4s\ ^4P_{1/2}$	7.05	2.85e+03
Fe XXII *	11.7664	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^4D_{1/2}$	7.10	3.17e+03
Fe XXII	11.7675	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s^2\ 3d\ ^2D_{3/2}$	7.10	6.12e+05
Zn XXI	11.7690	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3s\ ^1P_1$	7.05	3.54e+03
Fe XXII *	11.7743	$1s^2\ 2s\ 2p^2\ ^4P_{1/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3s\ ^2P_{1/2}$	7.10	5.10e+03
Fe XXI *	11.7745	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^2\ 3p\ ^3P_1$	7.10	1.59e+03
Fe XXI *	11.7777	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^2\ 3p\ ^3P_1$	7.10	1.71e+03
Fe XXII	11.7789	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3d\ ^2F_{5/2}$	7.10	1.56e+03
Ni XX	11.7873	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3d\ ^2D_{3/2}$	7.05	1.56e+03
Fe XXII	11.7877	$1s^2\ 2s\ 2p^2\ ^4P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4D_{1/2}$	7.10	1.66e+04
Zn XXI *	11.7883	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3s\ ^3P_2$	7.05	2.39e+03
Fe XXII	11.7886	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3d\ ^2F_{7/2}$	7.10	5.78e+03
Fe XXII	11.7955	$1s^2\ 2s\ 2p^2\ ^4P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2D_{5/2}$	7.10	4.80e+04
Fe XXII	11.7960	$1s^2\ 2s\ 2p^2\ ^4P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4D_{3/2}$	7.10	1.39e+04
Fe XXI *	11.8063	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^2\ 3p\ ^1P_1$	7.10	1.95e+03
Fe XXII *	11.8162	$1s^2\ 2s\ 2p^2\ ^4P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2D_{3/2}$	7.10	5.65e+03
Fe XXII	11.8207	$1s^2\ 2s\ 2p^2\ ^4P_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4D_{5/2}$	7.10	1.56e+04
Ni XX	11.8320	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3d\ ^2D_{5/2}$	7.05	5.43e+04
Fe XXII	11.8361	$1s^2\ 2s\ 2p^2\ ^4P_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4D_{7/2}$	7.10	2.42e+03
Ni XX	11.8414	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3d\ ^2P_{3/2}$	7.05	3.11e+04
Fe XXI *	11.8450	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^2\ 3p\ ^3P_1$	7.10	6.45e+03
Fe XXII *	11.8456	$1s^2\ 2s\ 2p^2\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3d\ ^2P_{1/2}$	7.10	5.66e+03
Fe XXIII	11.8463	$2s\ 2p\ ^3P_2$ - $2s\ 3s\ ^3S_1$	7.15	2.71e+04
Fe XVIII *	11.8465	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4s\ ^2P_{3/2}$	6.95	7.28e+03
Fe XX *	11.8534	$2s\ 2p^4\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 4p\ ^4D_{1/2}$	7.05	2.47e+03
Fe XXI *	11.8647	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^2\ 3p\ ^3D_1$	7.10	5.02e+03
Ni XX	11.8650	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3d\ ^2F_{5/2}$	7.05	4.11e+03
Fe XXII	11.8698	$1s^2\ 2s\ 2p^2\ ^4P_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2D_{5/2}$	7.10	2.38e+03
Fe XVIII *	11.8723	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 4s\ ^2P_{1/2}$	6.95	1.54e+03
Fe XXII	11.8739	$1s^2\ 2s\ 2p^2\ ^4P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4D_{3/2}$	7.10	4.38e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ni XX	11.8740	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3d\ ^2S_{1/2}$	7.05	1.25e+04
Fe XXI *	11.8756	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^2\ 3p\ ^3P_1$	7.10	2.44e+03
Fe XXI *	11.8774	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^2\ 3p\ ^3D_1$	7.10	1.56e+03
Fe XXIII *	11.8842	$2p^2\ ^1S_0$ - $2p\ 3d\ ^1P_1$	7.15	2.42e+04
Fe XXII	11.8852	$1s^2\ 2s\ 2p^2\ ^4P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4P_{5/2}$	7.10	3.87e+04
Fe XXIII *	11.8877	$2p^2\ ^3P_0$ - $2p\ 3s\ ^3P_1$	7.15	3.92e+03
Fe XXII *	11.8931	$1s^2\ 2s\ 2p^2\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3d\ ^2D_{3/2}$	7.10	2.17e+03
Fe XXII *	11.9011	$1s^2\ 2s\ 2p^2\ ^4P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4F_{3/2}$	7.15	1.04e+04
Fe XXII *	11.9122	$1s^2\ 2s\ 2p^2\ ^2P_{1/2}$ - $1s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{1/2}$	7.10	7.27e+03
Fe XXII	11.9207	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s^2\ 3d\ ^2D_{5/2}$	7.10	7.71e+04
Fe XX	11.9331	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^3\ (^3S)\ 3p\ ^4P_{5/2}$	7.05	1.76e+03
Fe XXII	11.9336	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s^2\ 3d\ ^2D_{3/2}$	7.10	1.12e+05
Fe XXI	11.9378	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^2\ 3p\ ^3D_1$	7.10	2.64e+04
Fe XXI *	11.9417	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^2\ 3p\ ^3P_1$	7.10	1.21e+04
Fe XXII *	11.9506	$1s^2\ 2s\ 2p^2\ ^4P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4F_{5/2}$	7.10	1.80e+04
Fe XXI *	11.9576	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^2\ 3p\ ^3D_2$	7.10	1.43e+03
Fe XXII	11.9607	$1s^2\ 2s\ 2p^2\ ^4P_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4P_{5/2}$	7.10	3.31e+03
Ni XX	11.9610	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^2D_{5/2}$	7.05	2.07e+04
Fe XX *	11.9644	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^3\ (^3S)\ 3p\ ^2P_{3/2}$	7.05	1.71e+03
Fe XXI *	11.9682	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^2\ 3p\ ^5S_2$	7.10	1.27e+03
Mn XXII	11.9703	$2s^2\ ^1S_0$ - $2s\ 3p\ ^1P_1$	7.10	3.14e+03
Fe XXII	11.9750	$1s^2\ 2s\ 2p^2\ ^4P_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4F_{7/2}$	7.10	2.42e+04
Fe XXI	11.9750	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^2\ 3p\ ^5P_1$	7.10	7.75e+04
Ni XX	11.9781	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 3d\ ^2P_{1/2}$	7.05	3.56e+03
Fe XVIII *	11.9802	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^3P)\ 4s\ ^4P_{3/2}$	6.95	1.78e+03
Fe XXII *	11.9815	$1s^2\ 2s\ 2p^2\ ^4P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4F_{3/2}$	7.15	1.05e+04
Ni XX	11.9907	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 3d\ ^2D_{3/2}$	7.05	5.94e+03
Ni XX	11.9910	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4P_{5/2}$	7.05	3.85e+03
Fe XXIII *	11.9911	$2p^2\ ^3P_1$ - $2p\ 3s\ ^3P_1$	7.15	2.11e+03
Mn XXII	11.9976	$2s^2\ ^1S_0$ - $2s\ 3p\ ^3P_1$	7.10	2.13e+03
Fe XXI *	12.0029	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^2\ 3p\ ^3S_1$	7.10	3.92e+03
Ni XX	12.0060	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^2D_{3/2}$	7.05	1.57e+03
Fe XXII *	12.0107	$1s^2\ 2s\ 2p^2\ ^2S_{1/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3d\ ^2P_{3/2}$	7.10	2.08e+03
Mn XXIII *	12.0117	$2p\ ^2P_{1/2}$ - $3d\ ^2D_{3/2}$	7.20	2.93e+03
Fe XXIII *	12.0171	$2p^2\ ^3P_1$ - $2p\ 3s\ ^3P_0$	7.15	3.32e+03
Fe XX *	12.0222	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^3\ (^3S)\ 3p\ ^4P_{3/2}$	7.05	1.32e+03
Fe XXII *	12.0263	$1s^2\ 2s\ 2p^2\ ^4P_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4F_{5/2}$	7.10	5.18e+03
Fe XXII *	12.0268	$1s^2\ 2s\ 2p^2\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3d\ ^2P_{3/2}$	7.10	1.66e+03
Fe XXIII	12.0270	$2p^2\ ^1D_2$ - $2p\ 3s\ ^1P_1$	7.15	1.08e+04
Ni XX *	12.0298	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{3/2}$	7.05	3.16e+03
Fe XXI	12.0440	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^2\ 3p\ ^3D_1$	7.10	4.11e+04
Fe XXII	12.0441	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2F_{7/2}$	7.10	2.62e+03
Fe XXI *	12.0453	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^2\ 3p\ ^5P_2$	7.10	4.78e+03
Ni XX	12.0468	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 3d\ ^2P_{3/2}$	7.05	4.65e+03
Fe XXII *	12.0477	$1s^2\ 2s\ 2p^2\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3d\ ^2P_{1/2}$	7.10	1.42e+03
Fe XVIII *	12.0543	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^3P)\ 4s\ ^2P_{3/2}$	6.95	7.85e+03
Fe XXI *	12.0559	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^2\ 3p\ ^5D_1$	7.10	4.64e+03
Fe XXII	12.0574	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2F_{5/2}$	7.10	3.13e+04
Fe XXII *	12.0587	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2P_{3/2}$	7.10	2.79e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXIII *	12.0622	$2p^2\ ^3P_2$ - 2p 3s $^3P_1$	7.15	5.42e+03
Fe XX *	12.0673	$2s^2\ 2p^3\ ^4S_{3/2}$ - 2s $2p^3$ (^{3}D) 3p $^4P_{5/2}$	7.05	1.48e+03
Fe XXII	12.0778	$1s^2\ 2s\ 2p^2\ ^2P_{3/2}$ - $1s^2$ 2s 2p (^{1}P) 3d $^2D_{5/2}$	7.10	1.75e+04
Ni XX	12.0790	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4$ (^{3}P) 3d $^4F_{5/2}$	7.05	3.03e+03
Fe XXII *	12.0805	$1s^2\ 2s\ 2p^2\ ^2S_{1/2}$ - $1s^2$ 2s 2p (^{1}P) 3d $^2D_{3/2}$	7.10	2.95e+03
Ni XX	12.0805	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4$ (^{1}D) 3d $^2S_{1/2}$	7.05	1.80e+03
Fe XXI	12.0818	$2s^2\ 2p^2\ ^3P_1$ - 2s $2p^2$ 3p $^5P_1$	7.10	1.57e+03
Fe XXII	12.0907	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2$ 2s 2p (^{3}P) 3d $^2F_{5/2}$	7.10	3.70e+04
Ne IX s *	12.1003	1s 3d $^1D_2$ - 2p 3d $^1F_3$	6.95	1.19e+03
Fe XXI	12.1075	$2s^2\ 2p^2\ ^3P_2$ - 2s $2p^2$ 3p $^3D_1$	7.10	1.45e+03
Fe XXI *	12.1080	$2s^2\ 2p^2\ ^3P_1$ - 2s $2p^2$ 3p $^3S_1$	7.10	7.59e+03
Ni XX	12.1120	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4$ (^{3}P) 3d $^2F_{5/2}$	7.05	1.98e+04
Fe XXI *	12.1125	$2s^2\ 2p^2\ ^3P_1$ - 2s $2p^2$ 3p $^5D_2$	7.10	4.23e+03
Fe XVII	12.1241	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5$ 4d $^1P_1$	6.90	1.55e+05
Ni XX	12.1300	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4$ (^{3}P) 3d $^4P_{3/2}$	7.05	1.00e+04
Ne X	12.1321	1s $^2S_{1/2}$ - 2p $^2P_{3/2}$	7.05	5.63e+05
Fe XXI *	12.1373	2s $2p^3\ ^3D_2$ - 2s $2p^2$ 3d $^3F_3$	7.10	5.85e+03
Ne X	12.1375	1s $^2S_{1/2}$ - 2p $^2P_{1/2}$	7.05	2.82e+05
Fe XXI	12.1457	$2s^2\ 2p^2\ ^3P_2$ - 2s $2p^2$ 3p $^5P_1$	7.10	4.21e+03
Mn XXIII *	12.1534	2p $^2P_{3/2}$ - 3d $^2D_{5/2}$	7.20	5.18e+03
Ni XX	12.1570	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4$ (^{3}P) 3d $^4P_{1/2}$	7.05	4.41e+03
Fe XXI *	12.1584	2s $2p^3\ ^3P_1$ - 2s $2p^2$ 3d $^1D_2$	7.10	1.52e+03
Fe XXIII	12.1612	2s 2p $^1P_1$ - 2s 3s $^1S_0$	7.15	4.04e+05
Fe XXI *	12.1661	$2s^2\ 2p^2\ ^3P_1$ - 2s $2p^2$ 3p $^5D_0$	7.10	4.22e+03
Fe XXI *	12.1767	$2s^2\ 2p^2\ ^3P_2$ - 2s $2p^2$ 3p $^3S_1$	7.10	5.58e+03
Fe XX *	12.1782	$2s^2\ 2p^3\ ^2P_{3/2}$ - 2s $2p^3$ (^{3}S) 3p $^4P_{1/2}$	7.05	1.79e+03
Ni XX	12.1810	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4$ (^{3}P) 3d $^2P_{3/2}$	7.05	1.47e+03
Fe XXI *	12.1849	$2s^2\ 2p^2\ ^3P_1$ - $2s^2$ 2p 3d $^3P_1$	7.10	5.21e+03
Fe XXI *	12.1849	$2s^2\ 2p^2\ ^3P_1$ - $2s^2$ 2p 3d $^3P_0$	7.10	1.55e+03
Fe XXII	12.1926	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2$ 2s 2p (^{3}P) 3d $^2D_{5/2}$	7.10	7.76e+04
Fe XXII *	12.1932	$1s^2\ 2s\ 2p^2\ ^2P_{1/2}$ - $1s^2$ 2s 2p (^{3}P) 3d $^2P_{3/2}$	7.10	1.94e+04
Fe XXI	12.2040	2s $2p^3\ ^3D_1$ - 2s $2p^2$ 3d $^3F_2$	7.10	3.05e+04
Ni XXI	12.2085	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3$ (^{2}D) 3s $^3D_3$	7.10	2.00e+03
Fe XIX *	12.2120	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2$ 2s $2p^4$ 3p $^3D_3$	7.00	1.11e+04
Fe XXII *	12.2143	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2$ 2s 2p (^{3}P) 3d $^2D_{3/2}$	7.10	3.65e+04
Ni XX *	12.2202	2s $2p^6\ ^2S_{1/2}$ - 2s $2p^5$ (^{3}P) 3d $^2P_{1/2}$	7.05	1.96e+03
Fe XXI *	12.2228	2s $2p^3\ ^5S_2$ - 2s $2p^2$ 3d $^5P_2$	7.10	1.97e+03
Fe XXII	12.2267	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2$ 2s 2p (^{3}P) 3d $^2D_{5/2}$	7.10	1.17e+04
Fe XXII *	12.2311	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s^2$ 3p $^2P_{1/2}$	7.10	1.80e+03
Fe XXI *	12.2313	$2s^2\ 2p^2\ ^3P_2$ - 2s $2p^2$ 3p $^5D_1$	7.10	1.39e+04
Fe XXII *	12.2364	$1s^2\ 2p^3\ ^4S_{3/2}$ - $1s^2\ 2p^2$ (^{3}P) 3d $^4F_{3/2}$	7.10	1.20e+03
Fe XXI *	12.2389	$2s^2\ 2p^2\ ^3P_1$ - $2s^2$ 2p 3d $^1D_2$	7.10	4.72e+03
Fe XXI *	12.2414	2s $2p^3\ ^3P_2$ - 2s $2p^2$ 3d $^3D_3$	7.10	1.33e+03
Fe XXI *	12.2426	2s $2p^3\ ^5S_2$ - 2s $2p^2$ 3d $^5P_3$	7.10	1.29e+03
Fe XIX *	12.2481	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2$ 2s $2p^4$ 3p $^3P_2$	7.00	2.12e+03
Fe XXII *	12.2499	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2$ 2s 2p (^{3}P) 3d $^2D_{3/2}$	7.10	5.39e+03
Fe XXII *	12.2506	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2$ 2s 2p (^{1}P) 3s $^2P_{3/2}$	7.10	2.96e+03
Fe XXII *	12.2536	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2$ 2s 2p (^{1}P) 3s $^2P_{1/2}$	7.10	4.86e+03
Fe XXI *	12.2545	$2s^2\ 2p^2\ ^3P_2$ - $2s^2$ 2p 3d $^3P_1$	7.10	1.94e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ni XX *	12.2603	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^2D_{3/2}$	7.05	1.79e+03
Fe XVII	12.2640	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 4d\ ^3D_1$	6.90	1.37e+05
Fe XX *	12.2688	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^3\ (^3D)\ 3p\ ^2D_{3/2}$	7.05	1.83e+03
Mn XXIII *	12.2716	$2p\ ^2P_{1/2}$ - $3s\ ^2S_{1/2}$	7.20	1.18e+03
Fe XXI	12.2823	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 3d\ ^3D_1$	7.10	1.08e+06
Fe XXII *	12.2864	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3s\ ^2P_{3/2}$	7.10	1.75e+03
Fe XXII	12.2885	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4P_{5/2}$	7.10	1.41e+03
Ne IX s *	12.3071	$1s\ 2s\ ^3S_1$ - $2s\ 2p\ ^3P_2$	6.90	1.22e+03
Fe XXII	12.3095	$1s^2\ 2s\ 2p^2\ ^4P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3s\ ^2P_{1/2}$	7.10	3.07e+03
Fe XX *	12.3098	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^3\ (^3P)\ 3p\ ^2D_{3/2}$	7.05	2.45e+03
Fe XXI	12.3176	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 3d\ ^3F_2$	7.10	1.69e+03
Fe XXI *	12.3229	$2s\ 2p^3\ ^3D_1$ - $2s\ 2p^2\ 3d\ ^3F_2$	7.10	9.95e+03
Fe XXII	12.3232	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4P_{5/2}$	7.10	3.08e+03
Fe XX *	12.3232	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^3\ (^3P)\ 3p\ ^4P_{3/2}$	7.05	1.65e+03
Fe XXI *	12.3246	$2s\ 2p^3\ ^3D_2$ - $2s\ 2p^2\ 3d\ ^3F_2$	7.10	2.36e+03
Fe XXII *	12.3247	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s2\ 3s\ ^2S_{1/2}$	7.10	1.90e+04
Fe XXI	12.3270	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3P_2$	7.10	2.80e+03
Fe XXI	12.3270	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3D_3$	7.10	8.48e+03
Fe XX *	12.3319	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^3\ (^3D)\ 3p\ ^2D_{3/2}$	7.05	1.38e+03
Fe XX *	12.3337	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^3\ (^3P)\ 3p\ ^4P_{1/2}$	7.05	1.51e+03
Fe XX *	12.3409	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^3\ (^3D)\ 3p\ ^4P_{5/2}$	7.05	2.11e+03
Fe XXI *	12.3421	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 3d\ ^5D_2$	7.10	9.13e+03
Fe XXII *	12.3428	$1s^2\ 2s\ 2p^2\ ^4P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3s\ ^4P_{3/2}$	7.10	7.54e+03
Fe XXI *	12.3452	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 3d\ ^5D_1$	7.10	1.25e+03
Fe XX *	12.3469	$2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4f\ ^4G_{11/2}$	7.05	1.17e+03
Fe XIX *	12.3511	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3p\ ^1D_2$	7.00	2.27e+03
Fe XXI *	12.3514	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^1F_3$	7.10	7.96e+03
Fe XXIII	12.3515	$2p^2\ ^1S_0$ - $2p\ 3s\ ^1P_1$	7.15	4.29e+03
Ne IX s *	12.3569	$1s\ 2p\ ^1P_1$ - $2p^2\ ^1D_2$	6.90	3.15e+03
Fe XXII *	12.3572	$1s^2\ 2p^3\ ^2P_{1/2}$ - $1s^2\ 2p^2\ (^3P)\ 3d\ ^2D_{3/2}$	7.10	7.67e+03
Fe XXI	12.3628	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 3d\ ^3P_2$	7.10	1.69e+03
Fe XXI *	12.3682	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^2\ 3p\ ^3S_1$	7.10	1.90e+03
Fe XXIII	12.3689	$2p^2\ ^3P_1$ - $2s\ 3p\ ^3P_2$	7.15	1.21e+04
Fe XX *	12.3701	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^3\ (^3D)\ 3p\ ^2F_{5/2}$	7.05	3.08e+03
Fe XX *	12.3703	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^3\ (^3P)\ 3p\ ^2D_{5/2}$	7.05	2.18e+03
Fe XXI *	12.3729	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^2\ 3p\ ^5D_2$	7.10	4.78e+03
Ni XVIII s *	12.3783	$3s\ ^2S_{1/2}$ - $2p^5\ 3s\ 3d\ ^2P_{3/2}$	6.95	1.73e+03
Fe XXI	12.3800	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 3d\ ^5D_3$	7.10	7.80e+03
Fe XXI	12.3816	$2s\ 2p^3\ ^3P_1$ - $2s\ 2p^2\ 3d\ ^3D_2$	7.10	6.15e+03
Fe XXI *	12.3878	$2s\ 2p^3\ ^3P_2$ - $2s\ 2p^2\ 3d\ ^3F_3$	7.10	3.10e+03
Fe XXII *	12.3888	$1s^2\ 2s\ 2p^2\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2D_{3/2}$	7.10	3.01e+04
Fe XXII *	12.3903	$1s^2\ 2s\ 2p^2\ ^2S_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2P_{3/2}$	7.10	1.04e+04
Fe XXII *	12.3910	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4F_{3/2}$	7.15	7.83e+03
Fe XXII *	12.3914	$1s^2\ 2s\ 2p^2\ ^4P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3s\ ^4P_{1/2}$	7.10	3.08e+03
Fe XXII *	12.3944	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^4F_{5/2}$	7.10	1.19e+03
Fe XXI	12.3947	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3d\ ^3D_1$	7.10	1.86e+05
Fe XX *	12.4024	$2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^2D_{3/2}$	7.05	1.81e+03
Fe XXI *	12.4030	$2s\ 2p^3\ ^1D_2$ - $2s\ 2p^2\ 3d\ ^1F_3$	7.10	1.41e+03
Ni XX *	12.4050	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2F_{7/2}$	7.05	1.61e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXII *	12.4075	$1s^2\ 2s\ 2p^2\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2P_{3/2}$	7.10	5.59e+03
Fe XXI	12.4084	$2s\ 2p^3\ ^3P_2$ - $2s\ 2p^2\ 3d\ ^3D_2$	7.10	7.53e+03
Fe XX *	12.4085	$2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4f\ ^4D_{5/2}$	7.05	1.18e+03
Fe XXI *	12.4162	$2s\ 2p^3\ ^3S_1$ - $2s\ 2p^2\ 3d\ ^3P_2$	7.10	1.71e+03
Fe XX *	12.4178	$2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4f\ ^4D_{7/2}$	7.05	2.54e+03
Fe XX *	12.4202	$2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4f\ ^4G_{5/2}$	7.05	2.32e+03
Fe XXI	12.4220	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3d\ ^3D_2$	7.10	4.81e+04
Fe XXI *	12.4241	$2s\ 2p^3\ ^3S_1$ - $2s\ 2p^2\ 3d\ ^1D_2$	7.10	3.62e+03
Fe XXI *	12.4244	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^2\ 3p\ ^5D_1$	7.10	2.62e+03
Fe XXII *	12.4261	$1s^2\ 2s\ 2p^2\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3s\ ^2P_{3/2}$	7.10	5.98e+03
Fe XX	12.4263	$2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4D_{5/2}$	7.05	4.10e+04
Fe XX	12.4263	$2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4P_{3/2}$	7.05	4.68e+04
Fe XXIII *	12.4266	$2p^2\ ^3P_1$ - $2s\ 3p\ ^3P_0$	7.15	1.01e+04
Ni XX *	12.4268	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{3/2}$	7.05	1.91e+03
Fe XXI	12.4288	$2s\ 2p^3\ ^3P_1$ - $2s\ 2p^2\ 3d\ ^3F_2$	7.10	1.46e+03
Fe XXII *	12.4293	$1s^2\ 2s\ 2p^2\ ^4P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3s\ ^4P_{3/2}$	7.10	1.87e+03
Ni XIX	12.4350	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3d\ ^1P_1$	7.00	1.35e+05
Mn XXIII *	12.4351	$2p\ ^2P_{3/2}$ - $3s\ ^2S_{1/2}$	7.20	2.53e+03
Fe XXIII	12.4373	$2p^2\ ^3P_2$ - $2s\ 3p\ ^3P_2$	7.15	1.67e+04
Fe XXII	12.4414	$1s^2\ 2s\ 2p^2\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2F_{5/2}$	7.10	4.97e+03
Fe XXIII	12.4443	$2p^2\ ^3P_2$ - $2s\ 3p\ ^1P_1$	7.15	2.24e+03
Fe XX *	12.4455	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^3\ (^3D)\ 3p\ ^4F_{5/2}$	7.05	1.27e+03
Fe XXI *	12.4548	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 3d\ ^5F_1$	7.10	3.08e+03
Fe XXI	12.4559	$2s\ 2p^3\ ^3P_2$ - $2s\ 2p^2\ 3d\ ^3F_2$	7.10	3.28e+03
Ni XVIII s *	12.4590	$3s\ ^2S_{1/2}$ - $2p^5\ 3s\ 3d\ ^2P_{1/2}$	6.95	5.86e+03
Fe XIX *	12.4609	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3P_1$	7.00	1.26e+03
Fe XXI	12.4620	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 3d\ ^5F_3$	7.10	2.30e+04
Fe XXI	12.4620	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3D_1$	7.10	1.19e+04
Fe XX *	12.4751	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^4D_{7/2}$	7.05	1.41e+04
Fe XIX *	12.4767	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3D_3$	7.00	4.75e+03
Fe XXII *	12.4786	$1s^2\ 2s\ 2p^2\ ^4P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3s\ ^4P_{1/2}$	7.10	1.36e+04
Fe XXI	12.4895	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3D_2$	7.10	7.05e+03
Fe XXI	12.4922	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^2\ 3p\ ^3D_1$	7.10	1.24e+03
Fe XX	12.4931	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^4D_{5/2}$	7.05	3.54e+03
Fe XXIII	12.4932	$2p^2\ ^3P_2$ - $2s\ 3p\ ^3P_1$	7.15	3.88e+03
Fe XXI	12.4990	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3F_3$	7.10	5.89e+04
Fe XIX *	12.4993	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3D_2$	7.00	2.29e+03
Fe XXI	12.4995	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3d\ ^3F_2$	7.10	2.48e+03
Fe XXI	12.5010	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 3d\ ^5F_2$	7.10	1.66e+04
Fe XXI *	12.5047	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^1D_2$	7.10	1.42e+03
Fe XXII *	12.5069	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s2\ 3s\ ^2S_{1/2}$	7.10	3.62e+04
Ni XVIII s *	12.5103	$3p\ ^2P_{1/2}$ - $2p^5\ 3p\ 3d\ ^2D_{3/2}$	6.95	1.36e+03
Fe XXII *	12.5113	$1s^2\ 2s\ 2p^2\ ^4P_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3s\ ^4P_{3/2}$	7.10	7.56e+03
Fe XIX *	12.5144	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3P_2$	7.00	1.93e+03
Fe XX *	12.5157	$2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 4f\ ^4D_{3/2}$	7.05	2.40e+03
Fe XX *	12.5165	$2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 4f\ ^4D_{1/2}$	7.05	1.80e+03
Ni XVIII s *	12.5169	$3s\ ^2S_{1/2}$ - $2p^5\ 3s\ 3d\ ^2P_{3/2}$	6.95	3.68e+03
Fe XIX *	12.5197	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^5F_4$	7.00	3.66e+03
Fe XVII	12.5210	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 4s\ ^3P_1$	6.90	5.40e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXI	12.5234	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^3P_2$	7.10	1.50e+03
Fe XXI	12.5329	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^2\ 3p\ ^5P_1$	7.10	1.56e+04
Fe XXI *	12.5367	$2s\ 2p^3\ ^3D_1$ - $2s\ 2p^2\ 3d\ ^3D_2$	7.10	1.04e+04
Fe XXI *	12.5534	$2s\ 2p^3\ ^3P_1$ - $2s\ 2p^2\ 3d\ ^3F_2$	7.10	1.90e+03
Fe XXI *	12.5629	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^2\ 3p\ ^3S_1$	7.10	4.71e+03
Fe XIX *	12.5637	$1s^2\ 2s^2\ 2p^4\ ^1S_0$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3F_3$	7.00	1.66e+03
Fe XX	12.5660	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^3\ (^5S)\ 3p\ ^4P_{1/2}$	7.05	1.95e+04
Fe XIX *	12.5671	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^5F_5$	7.00	1.50e+03
Fe XXI	12.5679	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3F_2$	7.10	2.50e+04
Fe XIX *	12.5729	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ ^5P_3$	7.00	8.12e+03
Fe XX *	12.5749	$2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^2D_{5/2}$	7.05	1.94e+03
Fe XX	12.5810	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^3\ (^5S)\ 3p\ ^4P_{5/2}$	7.05	5.73e+04
Fe XX	12.5810	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^3\ (^5S)\ 3p\ ^4P_{3/2}$	7.05	4.36e+04
Fe XXI *	12.5845	$2s\ 2p^3\ ^3D_3$ - $2s\ 2p^2\ 3d\ ^3D_2$	7.10	6.16e+03
Fe XXII	12.5855	$1s^2\ 2s\ 2p^2\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2D_{5/2}$	7.10	5.32e+03
Fe XXII *	12.5923	$1s^2\ 2s\ 2p^2\ ^2S_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2D_{3/2}$	7.10	2.54e+03
Fe XX	12.5947	$2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4P_{3/2}$	7.05	6.19e+03
Fe XX	12.6000	$2s\ 2p^4\ ^4P_{3/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^4D_{3/2}$	7.05	3.65e+03
Fe XX	12.6000	$2s\ 2p^4\ ^4P_{3/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^4D_{5/2}$	7.05	1.84e+04
Fe XX *	12.6095	$2s\ 2p^4\ ^4P_{1/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^4D_{1/2}$	7.05	5.04e+03
Fe XXII *	12.6101	$1s^2\ 2s\ 2p^2\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3d\ ^2D_{3/2}$	7.10	5.60e+03
Cr XXII	12.6125	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{3/2}$	7.15	6.89e+03
Fe XXI	12.6230	$2s^2\ 2p^2\ ^1S_0$ - $2s^2\ 2p\ 3d\ ^1P_1$	7.10	8.18e+03
Fe XXII *	12.6341	$1s^2\ 2s\ 2p^2\ ^2S_{1/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3s\ ^2P_{1/2}$	7.10	6.73e+03
Fe XX	12.6348	$2s\ 2p^4\ ^4P_{1/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^4D_{3/2}$	7.05	4.65e+03
Ca XVIII	12.6360	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 5p\ ^2P_{1/2}$	7.10	1.37e+03
Fe XXIII	12.6457	$2p^2\ ^1D_2$ - $2s\ 3p\ ^3P_2$	7.15	3.65e+03
Fe XXII *	12.6487	$1s^2\ 2s\ 2p^2\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3s\ ^2P_{3/2}$	7.10	2.45e+03
Fe XXI	12.6490	$2s\ 2p^3\ ^3S_1$ - $2s\ 2p^2\ 3d\ ^3D_2$	7.10	3.76e+04
Fe XXII *	12.6518	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3s\ ^2P_{3/2}$	7.10	2.09e+03
Fe XXII *	12.6519	$1s^2\ 2s\ 2p^2\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3s\ ^2P_{1/2}$	7.10	3.64e+03
Fe XXIII	12.6529	$2p^2\ ^1D_2$ - $2s\ 3p\ ^1P_1$	7.15	8.40e+03
Cr XXII	12.6555	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{1/2}$	7.15	3.57e+03
Ni XIX	12.6560	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3d\ ^3D_1$	7.00	5.07e+04
Fe XXI	12.6627	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^3D_1$	7.10	1.32e+03
Fe XXI *	12.6639	$2s\ 2p^3\ ^3D_2$ - $2s\ 2p^2\ 3d\ ^3F_3$	7.10	2.31e+03
Fe XXII *	12.6689	$1s^2\ 2p^3\ ^4S_{3/2}$ - $1s^2\ 2s\ 2p\ (^1P)\ 3p\ ^2S_{1/2}$	7.10	1.84e+03
Fe XX *	12.6783	$2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4F_{5/2}$	7.05	1.10e+04
Fe XVII	12.6800	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 4s\ ^1P_1$	6.90	9.91e+03
Fe XXI	12.6911	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^3D_2$	7.10	5.99e+03
Fe XXI	12.7009	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^3F_3$	7.10	2.30e+03
Fe XXIII	12.7035	$2p^2\ ^1D_2$ - $2s\ 3p\ ^3P_1$	7.15	2.19e+03
Fe XX *	12.7043	$2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 4f\ ^2D_{5/2}$	7.05	1.19e+03
Fe XXII *	12.7144	$1s^2\ 2p^3\ ^2D_{5/2}$ - $1s^2\ 2p^2\ (^3P)\ 3s\ ^2P_{3/2}$	7.10	2.31e+03
Fe XIX *	12.7153	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3P_2$	7.00	1.44e+03
Fe XIX *	12.7184	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3P_1$	7.00	1.66e+03
Fe XX *	12.7306	$2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4s\ ^2P_{3/2}$	7.05	1.49e+03
Fe XIX *	12.7364	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^1D_2$	7.00	3.23e+03
Fe XXI *	12.7369	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 3p\ ^5D_2$	7.10	1.34e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ni XX *	12.7387	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2D_{5/2}$	7.05	3.05e+03
Ni XVIII s *	12.7393	$3s\ ^2S_{1/2}$ - $2p^5\ 3s\ 3d\ ^2D_{3/2}$	6.95	1.47e+03
Fe XXII	12.7426	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3s\ ^2P_{1/2}$	7.10	1.95e+05
Fe XVIII *	12.7434	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4D_{7/2}$	6.95	3.27e+03
Fe XIX *	12.7435	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3D_3$	7.00	1.37e+03
Fe XVIII *	12.7452	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^2D_{5/2}$	6.95	2.21e+03
Fe XXI *	12.7457	$2s\ 2p^3\ ^1D_2$ - $2s\ 2p^2\ 3d\ ^1D_2$	7.10	1.71e+03
Fe XXI	12.7495	$2s\ 2p^3\ ^1D_2$ - $2s\ 2p^2\ 3d\ ^3F_2$	7.10	3.08e+03
Fe XX	12.7526	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^2D_{5/2}$	7.05	3.12e+03
Fe XX *	12.7646	$2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4p\ ^4P_{3/2}$	7.05	5.52e+03
Fe XXII *	12.7651	$1s^2\ 2s\ 2p^2\ ^4P_{3/2}$ - $1s^2\ 2s^2\ 3p\ ^2P_{1/2}$	7.10	2.04e+03
Fe XX *	12.7664	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^3P)\ 3d\ ^4F_{7/2}$	7.05	2.32e+03
Fe XXI	12.7721	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^3F_2$	7.10	1.35e+04
Fe XX *	12.7724	$2s\ 2p^4\ ^2D_{3/2}$ - $2s\ 2p^3\ (^1D)\ 3d\ ^2D_{5/2}$	7.05	1.35e+03
Fe XXI	12.7734	$2s\ 2p^3\ ^3D_1$ - $2s\ 2p^2\ 3d\ ^3F_2$	7.10	1.86e+04
Fe XVIII *	12.7742	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^1P)\ 3p\ ^2P_{3/2}$	6.95	1.97e+03
Fe XXI	12.7746	$2s\ 2p^3\ ^3D_2$ - $2s\ 2p^2\ 3d\ ^3F_2$	7.10	1.69e+04
Fe XXI *	12.7752	$2s\ 2p^3\ ^3P_1$ - $2s\ 2p^2\ 3d\ ^3D_2$	7.10	1.13e+04
Fe XIX *	12.7839	$1s^2\ 2s^2\ 2p^4\ ^1S_0$ - $1s^2\ 2s\ 2p^4\ 3p\ ^1P_1$	7.00	1.46e+03
Fe XXI *	12.7862	$2p^4\ ^3P_0$ - $2p^3\ 3d\ ^3D_1$	7.10	1.28e+03
Fe XIX *	12.7926	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^1F_3$	7.00	4.15e+03
Fe XXII *	12.7930	$1s^2\ 2s\ 2p^2\ ^4P_{5/2}$ - $1s^2\ 2s^2\ 3p\ ^2P_{3/2}$	7.10	6.14e+03
Fe XXI *	12.7975	$2s\ 2p^3\ ^3D_1$ - $2s\ 2p^2\ 3s\ ^3P_0$	7.10	1.50e+04
Fe XX	12.8043	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^3\ (^5S)\ 3p\ ^4P_{5/2}$	7.05	9.20e+03
Fe XXI *	12.8058	$2s\ 2p^3\ ^3P_2$ - $2s\ 2p^2\ 3d\ ^3D_2$	7.10	1.67e+04
Fe XX *	12.8061	$2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4s\ ^2P_{1/2}$	7.05	1.30e+03
Ni XIX	12.8079	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3d\ ^3P_1$	7.00	5.88e+03
Fe XX	12.8120	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4P_{1/2}$	7.05	1.74e+05
Fe XX *	12.8137	$2s\ 2p^4\ ^4P_{3/2}$ - $2s\ 2p^3\ (^3P)\ 3d\ ^4D_{3/2}$	7.05	1.78e+03
Fe XXI *	12.8142	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3p\ ^3D_1$	7.10	1.17e+03
Mn XXII	12.8152	$2s\ 2p\ ^1P_1$ - $2s\ 3d\ ^1D_2$	7.10	6.48e+03
Ni XX *	12.8159	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^1P)\ 3s\ ^2P_{3/2}$	7.05	1.67e+03
Fe XVIII	12.8180	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^1P)\ 3p\ ^2D_{5/2}$	6.95	1.17e+04
Fe XVIII *	12.8182	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^2F_{7/2}$	6.95	3.58e+03
Fe XXI	12.8220	$2s\ 2p^3\ ^3D_1$ - $2s\ 2p^2\ 3d\ ^3P_2$	7.10	1.26e+05
Fe XXI	12.8231	$2s\ 2p^3\ ^3D_2$ - $2s\ 2p^2\ 3d\ ^3P_2$	7.10	2.40e+04
Fe XX	12.8242	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^2P_{1/2}$	7.05	2.01e+04
Fe XX *	12.8253	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^1D)\ 3d\ ^2D_{5/2}$	7.05	2.48e+03
Fe XX	12.8270	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4P_{3/2}$	7.05	4.07e+05
Fe XIX *	12.8308	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3F_3$	7.00	1.40e+03
Fe XX *	12.8337	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^1D)\ 3d\ ^2D_{3/2}$	7.05	2.85e+03
Mn XXI *	12.8440	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 3d\ ^2D_{3/2}$	7.10	5.19e+03
Fe XX	12.8454	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4P_{5/2}$	7.05	3.66e+05
Fe XX *	12.8462	$2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 4p\ ^4D_{3/2}$	7.05	1.03e+04
Fe XIX *	12.8477	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^5F_5$	7.00	8.51e+03
Fe XIX *	12.8481	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^1P_1$	7.00	2.62e+03
Fe XX *	12.8537	$2s\ 2p^4\ ^4P_{1/2}$ - $2s\ 2p^3\ (^3P)\ 3d\ ^4D_{1/2}$	7.05	1.51e+03
Fe XX *	12.8569	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^1D)\ 3d\ ^2F_{7/2}$	7.05	5.96e+03
Fe XXI	12.8663	$2s\ 2p^3\ ^3D_3$ - $2s\ 2p^2\ 3d\ ^3P_2$	7.10	6.89e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXI	12.8699	$2s^2\ 2p^2\ ^1S_0$ - $2s^2\ 2p\ 3d\ ^3D_1$	7.10	7.10e+03
Fe XX *	12.8743	$2s\ 2p^4\ ^4P_{1/2}$ - $2s\ 2p^3\ (^3D)\ 3d\ ^2P_{3/2}$	7.05	2.34e+03
Fe XX *	12.8749	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4D_{3/2}$	7.05	2.27e+03
Fe XXI *	12.8814	$2s\ 2p^3\ ^3D_3$ - $2s\ 2p^2\ 3d\ ^5F_4$	7.10	1.20e+03
Fe XX *	12.8943	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^1D)\ 3d\ ^2D_{5/2}$	7.05	2.67e+03
Fe XX *	12.8983	$2s\ 2p^4\ ^2D_{3/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^2D_{5/2}$	7.05	2.56e+03
Fe XX *	12.9042	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^3D)\ 3d\ ^4P_{5/2}$	7.05	2.85e+03
Fe XX	12.9055	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^2F_{5/2}$	7.05	9.83e+04
Fe XXI	12.9190	$2s\ 2p^3\ ^1P_1$ - $2s\ 2p^2\ 3d\ ^3D_2$	7.10	2.37e+03
Fe XX *	12.9196	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^3D)\ 3d\ ^2G_{7/2}$	7.05	1.29e+03
Fe XIX *	12.9212	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^5D_0$	7.00	1.31e+03
Fe XX *	12.9218	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4D_{1/2}$	7.05	4.56e+03
Fe XIX	12.9240	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3D_2$	7.00	2.68e+04
Fe XIX	12.9240	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3S_1$	7.00	1.67e+04
Fe XIX	12.9240	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^5D_3$	7.00	2.25e+04
Fe XX *	12.9254	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^1S)\ 3d\ ^2D_{5/2}$	7.05	1.19e+03
Fe XXI *	12.9260	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3s\ ^3P_2$	7.10	2.39e+03
Fe XIX *	12.9261	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^5D_1$	7.00	2.24e+03
Ni XX	12.9270	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{5/2}$	7.05	1.79e+04
Fe XIX *	12.9271	$1s^2\ 2s^2\ 2p^4\ ^3P_0$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3P_1$	7.00	5.47e+03
Fe XX *	12.9284	$2s\ 2p^4\ ^2D_{5/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^2D_{5/2}$	7.05	2.82e+03
Fe XXI	12.9299	$2s\ 2p^3\ ^3D_2$ - $2s\ 2p^2\ 3d\ ^5F_3$	7.10	1.97e+03
Fe XXI *	12.9355	$2s\ 2p^3\ ^3D_1$ - $2s\ 2p^2\ 3d\ ^5F_1$	7.10	9.18e+03
Fe XXII	12.9360	$1s^2\ 2s\ 2p^2\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 3s\ ^2P_{1/2}$	7.10	7.37e+04
Fe XIX *	12.9364	$1s^2\ 2s\ 2p^5\ ^1P_1$ - $1s^2\ 2s2\ 2p^3\ 4s\ ^5S_2$	7.00	1.17e+03
Fe XXI *	12.9422	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 3s\ ^5P_3$	7.10	2.22e+03
Fe XX *	12.9471	$2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 4p\ ^4P_{3/2}$	7.05	5.86e+03
Fe XVIII *	12.9475	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^5\ (^1P)\ 3p\ ^2P_{3/2}$	6.95	2.94e+03
Fe XIX *	12.9493	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^5D_2$	7.00	3.13e+03
Fe XXI *	12.9498	$2p^4\ ^3P_0$ - $2p^3\ 3d\ ^3D_1$	7.10	1.75e+03
Fe XX	12.9510	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4D_{5/2}$	7.05	1.16e+05
Fe XIX *	12.9523	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3P_1$	7.00	1.44e+03
Fe XX *	12.9526	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^1D)\ 3d\ ^2G_{7/2}$	7.05	2.41e+03
Fe XX	12.9623	$2s\ 2p^4\ ^2D_{3/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^4D_{5/2}$	7.05	7.45e+03
Fe XX	12.9623	$2s\ 2p^4\ ^2D_{3/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^4D_{3/2}$	7.05	2.16e+03
Fe XVIII *	12.9648	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^5\ (^1P)\ 3p\ ^2P_{1/2}$	6.95	1.29e+03
Fe XX	12.9660	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^2P_{3/2}$	7.05	3.17e+04
Fe XX	12.9660	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^3\ (^5S)\ 3p\ ^6P_{5/2}$	7.05	7.71e+03
Fe XX	12.9660	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^3D)\ 3d\ ^4D_{7/2}$	7.05	9.91e+03
Fe XXI	12.9719	$2s\ 2p^3\ ^3D_2$ - $2s\ 2p^2\ 3d\ ^5F_2$	7.10	6.77e+03
Fe XX *	12.9785	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^3\ (^5S)\ 3p\ ^6P_{7/2}$	7.05	1.98e+04
Fe XIX *	12.9789	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3P_2$	7.00	4.21e+03
Fe XX	12.9820	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^2D_{5/2}$	7.05	3.14e+04
Fe XIX *	12.9847	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3p\ ^3D_1$	7.00	1.56e+03
Fe XX *	12.9860	$2s\ 2p^4\ ^2D_{5/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^4D_{7/2}$	7.05	2.68e+04
Fe XXI *	13.0044	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3s\ ^3P_2$	7.10	5.25e+03
Fe XX *	13.0085	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^3D)\ 3d\ ^4G_{7/2}$	7.05	1.39e+03
Fe XIX *	13.0103	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3p\ ^5P_1$	7.00	4.43e+03
Fe XVIII *	13.0166	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^5\ (^1P)\ 3p\ ^2D_{3/2}$	6.95	3.28e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XIX	13.0180	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ 3p\ {}^3D_3$	7.00	4.17e+04
Fe XIX *	13.0184	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s\ 2p^4\ 3p\ {}^5S_2$	7.00	1.69e+03
Fe XXI	13.0200	$2s\ 2p^3\ {}^3P_1$ - $2s\ 2p^2\ 3d\ {}^3F_2$	7.10	6.98e+03
Fe XXI *	13.0262	$2s\ 2p^3\ {}^5S_2$ - $2s\ 2p^2\ 3s\ {}^5P_2$	7.10	3.84e+03
Ni XX	13.0324	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3s\ {}^2P_{1/2}$	7.05	2.25e+03
Fe XX *	13.0338	$2s\ 2p^4\ {}^4P_{5/2}$ - $2s\ 2p^3\ ({}^3D)\ 3d\ {}^4F_{7/2}$	7.05	2.11e+03
Fe XXII *	13.0340	$1s^2\ 2p^3\ {}^2D_{5/2}$ - $1s^2\ 2s\ 2p\ ({}^1P)\ 3p\ {}^2P_{3/2}$	7.10	1.28e+03
Fe XIX	13.0386	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s\ 2p^4\ 3s\ {}^1D_2$	7.00	1.00e+04
Fe XX	13.0455	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3d\ {}^2D_{5/2}$	7.05	1.05e+04
Fe XXI *	13.0462	$2s\ 2p^3\ {}^3P_1$ - $2s\ 2p^2\ 3s\ {}^3P_0$	7.10	3.72e+03
Fe XXI	13.0496	$2s\ 2p^3\ {}^3P_2$ - $2s\ 2p^2\ 3d\ {}^3F_2$	7.10	1.31e+03
Fe XXI	13.0516	$2s^2\ 2p^2\ {}^3P_0$ - $2s^2\ 2p\ 3s\ {}^3P_1$	7.10	3.25e+04
Fe XX	13.0520	$2s^2\ 2p^3\ {}^4S_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3d\ {}^4F_{5/2}$	7.05	9.06e+04
Fe XX *	13.0533	$2s\ 2p^4\ {}^4P_{5/2}$ - $2s\ 2p^3\ ({}^3D)\ 3d\ {}^4F_{5/2}$	7.05	2.94e+03
Fe XX *	13.0539	$2s^2\ 2p^3\ {}^2P_{3/2}$ - $2s^2\ 2p^2\ ({}^1D)\ 3d\ {}^2F_{5/2}$	7.05	4.45e+03
Fe XX *	13.0548	$2s^2\ 2p^3\ {}^2P_{3/2}$ - $2s^2\ 2p^2\ ({}^1D)\ 3d\ {}^2P_{3/2}$	7.05	3.02e+03
Fe XX *	13.0568	$2s^2\ 2p^3\ {}^2P_{3/2}$ - $2s^2\ 2p^2\ ({}^1D)\ 3d\ {}^2S_{1/2}$	7.05	1.50e+03
Fe XXI *	13.0689	$2s\ 2p^3\ {}^3S_1$ - $2s\ 2p^2\ 3d\ {}^3D_2$	7.10	1.31e+03
Fe XXI	13.0704	$2s\ 2p^3\ {}^3P_1$ - $2s\ 2p^2\ 3d\ {}^3P_2$	7.10	2.83e+04
Cr XXI *	13.0718	$2s^2\ {}^1S_0$ - $2s\ 3p\ {}^1P_1$	7.10	4.53e+03
Ni XX	13.0750	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3s\ {}^4P_{3/2}$	7.05	1.08e+04
Fe XVIII *	13.0814	$2s\ 2p^6\ {}^2S_{1/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 4p\ {}^2P_{3/2}$	6.95	3.53e+03
Fe XX	13.0910	$2s\ 2p^4\ {}^4P_{3/2}$ - $2s\ 2p^3\ ({}^3D)\ 3d\ {}^4D_{5/2}$	7.05	5.41e+03
Fe XX	13.0910	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3d\ {}^2F_{7/2}$	7.05	1.44e+04
Fe XIX	13.0910	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ 3p\ {}^5P_3$	7.00	5.31e+03
Fe XIX	13.0910	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ 3p\ {}^5P_2$	7.00	5.94e+03
Fe XX	13.0910	$2s^2\ 2p^3\ {}^4S_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3d\ {}^4F_{3/2}$	7.05	1.90e+04
Fe XVIII *	13.0934	$2s\ 2p^6\ {}^2S_{1/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 4p\ {}^2D_{3/2}$	6.95	5.38e+03
Fe XVIII *	13.0943	$2s\ 2p^6\ {}^2S_{1/2}$ - $2p^6\ 3p\ {}^2P_{3/2}$	6.95	2.15e+03
Fe XXI *	13.0994	$2s\ 2p^3\ {}^3P_2$ - $2s\ 2p^2\ 3s\ {}^3P_1$	7.10	1.29e+03
Fe XXI	13.1003	$2s\ 2p^3\ {}^3P_2$ - $2s\ 2p^2\ 3d\ {}^3P_2$	7.10	2.43e+04
Fe XIX *	13.1011	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s\ 2p^4\ 3p\ {}^5D_2$	7.00	3.13e+03
Fe XXI *	13.1081	$2s\ 2p^3\ {}^5S_2$ - $2s\ 2p^2\ 3s\ {}^5P_1$	7.10	1.66e+04
Fe XXI *	13.1121	$2s^2\ 2p^2\ {}^3P_1$ - $2s^2\ 2p\ 3s\ {}^3P_0$	7.10	1.68e+04
Fe XX *	13.1147	$2s^2\ 2p^3\ {}^2D_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3d\ {}^4D_{3/2}$	7.05	1.81e+04
Ca XVIII	13.1179	$1s^2\ 2p\ {}^2P_{1/2}$ - $1s^2\ 5d\ {}^2D_{3/2}$	7.10	1.32e+03
Fe XX	13.1234	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3d\ {}^4P_{3/2}$	7.05	1.69e+04
Cr XXI	13.1234	$2s^2\ {}^1S_0$ - $2s\ 3p\ {}^3P_1$	7.10	3.29e+03
Fe XX *	13.1286	$2s\ 2p^4\ {}^4P_{1/2}$ - $2s\ 2p^3\ ({}^3D)\ 3d\ {}^4D_{3/2}$	7.05	1.36e+03
Ni XX	13.1350	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3s\ {}^4P_{1/2}$	7.05	4.88e+03
Fe XX	13.1405	$2s^2\ 2p^3\ {}^2D_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3d\ {}^2F_{5/2}$	7.05	5.82e+04
Cr XXII	13.1426	$1s^2\ 2p\ {}^2P_{1/2}$ - $1s^2\ 3d\ {}^2D_{3/2}$	7.15	4.73e+03
Fe XX	13.1427	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3d\ {}^4P_{5/2}$	7.05	5.43e+04
Fe XX *	13.1459	$2s\ 2p^4\ {}^2D_{5/2}$ - $2s\ 2p^3\ ({}^3P)\ 3d\ {}^2F_{7/2}$	7.05	5.77e+03
Fe XXII	13.1481	$1s^2\ 2s\ 2p^2\ {}^2S_{1/2}$ - $1s^2\ 2s\ 2p\ ({}^3P)\ 3s\ {}^2P_{1/2}$	7.10	4.44e+03
Fe XX *	13.1565	$2s^2\ 2p^3\ {}^2P_{1/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3d\ {}^2D_{3/2}$	7.05	7.79e+03
Fe XX *	13.1588	$2s^2\ 2p^3\ {}^2P_{1/2}$ - $2s\ 2p^3\ ({}^5S)\ 3p\ {}^6P_{3/2}$	7.05	4.13e+03
Fe XVII	13.1594	$2s^2\ 2p^6\ {}^1S_0$ - $2s\ 2p^6\ 3d\ {}^1D_2$	6.90	1.38e+04
Ni XX	13.1610	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 3s\ {}^2D_{3/2}$	7.05	6.55e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XX *	13.1634	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4D_{1/2}$	7.05	1.73e+03
Fe XXII *	13.1689	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2\ 2s^2\ 3p\ ^2P_{3/2}$	7.10	2.11e+03
Fe XX *	13.1690	$2s\ 2p^4\ ^4P_{3/2}$ - $2s\ 2p^3\ (^3D)\ 3d\ ^4F_{5/2}$	7.05	3.44e+03
Fe XIX *	13.1770	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3P_2$	7.00	1.48e+03
Fe XXI *	13.1770	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3s\ ^1P_1$	7.10	8.50e+03
Fe XXI	13.1786	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3s\ ^3P_1$	7.10	1.87e+04
Fe XX *	13.1798	$2s\ 2p^4\ ^2S_{1/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^2D_{3/2}$	7.05	3.67e+03
Ni XIX	13.1800	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3p\ ^1D_2$	7.00	2.29e+03
Fe XX *	13.1835	$2s\ 2p^4\ ^4P_{3/2}$ - $2s\ 2p^3\ (^3D)\ 3d\ ^4F_{3/2}$	7.05	2.24e+03
Fe XX	13.1877	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4D_{5/2}$	7.05	7.04e+03
Fe XX	13.2033	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^2P_{3/2}$	7.05	6.87e+03
Fe XX	13.2056	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^2F_{5/2}$	7.05	1.08e+04
Fe XXII *	13.2103	$1s^2\ 2s\ 2p^2\ ^2D_{5/2}$ - $1s^2\ 2s^2\ 3p\ ^2P_{3/2}$	7.10	3.33e+04
Fe XX *	13.2118	$2s\ 2p^4\ ^2S_{1/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^4D_{1/2}$	7.05	3.46e+03
Fe XX *	13.2218	$2s\ 2p^4\ ^4P_{1/2}$ - $2s\ 2p^3\ (^3D)\ 3d\ ^4F_{3/2}$	7.05	1.56e+03
Fe XXI *	13.2230	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3s\ ^3P_2$	7.10	1.54e+03
Fe XX	13.2240	$2s\ 2p^4\ ^2S_{1/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^4D_{3/2}$	7.05	3.03e+03
Fe XXII *	13.2310	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2\ 2s^2\ 3p\ ^2P_{1/2}$	7.10	8.83e+04
Fe XX	13.2533	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4D_{5/2}$	7.05	1.44e+03
Fe XX	13.2540	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4P_{1/2}$	7.05	1.80e+04
Fe XIX	13.2540	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_3$	7.00	2.30e+04
Fe XXI	13.2547	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3s\ ^3P_1$	7.10	5.74e+04
Ni XX	13.2560	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$	7.05	2.11e+04
Fe XX	13.2670	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^2P_{1/2}$	7.05	2.61e+04
Fe XX	13.2670	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4F_{7/2}$	7.05	2.52e+04
Fe XIX *	13.2677	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3D_2$	7.00	4.27e+03
Fe XX *	13.2684	$2s\ 2p^4\ ^2P_{3/2}$ - $2s\ 2p^3\ (^3S)\ 3d\ ^2D_{3/2}$	7.05	1.28e+03
Fe XX	13.2690	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^2P_{3/2}$	7.05	9.65e+03
Fe XX *	13.2756	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^3S)\ 3s\ ^4S_{3/2}$	7.05	9.52e+03
Fe XX *	13.2781	$2s\ 2p^4\ ^2S_{1/2}$ - $2s\ 2p^3\ (^3P)\ 3d\ ^2P_{3/2}$	7.05	2.99e+03
Ni XX	13.2816	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{1/2}$	7.05	2.65e+03
Cr XXII	13.2866	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{5/2}$	7.15	8.36e+03
Fe XVIII *	13.2875	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^4P_{3/2}$	6.95	3.74e+03
Mn XXII *	13.2880	$2s\ 2p\ ^1P_1$ - $2s\ 3s\ ^1S_0$	7.10	3.58e+03
Fe XX	13.2924	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4F_{5/2}$	7.05	1.92e+04
Ni XX	13.3090	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$	7.05	2.92e+04
Fe XIX	13.3110	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3D_3$	7.00	6.86e+03
Fe XIX *	13.3172	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3P_0$	7.00	2.36e+03
Fe XVIII	13.3189	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^2P_{1/2}$	6.95	1.25e+04
Fe XVIII	13.3189	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^4P_{5/2}$	6.95	2.55e+04
Fe XX *	13.3200	$2s\ 2p^4\ ^2D_{5/2}$ - $2s\ 2p^3\ (^3D)\ 3d\ ^2F_{5/2}$	7.05	1.23e+03
Fe XX	13.3267	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{7/2}$	7.05	1.03e+04
Fe XXI *	13.3285	$2s\ 2p^3\ ^3D_3$ - $2s\ 2p^2\ 3s\ ^3P_2$	7.10	1.30e+03
Fe XX *	13.3290	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4D_{3/2}$	7.05	2.58e+03
Fe XIX *	13.3314	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_2$	7.00	2.64e+03
Fe XX	13.3329	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4F_{3/2}$	7.05	1.77e+04
Fe XX *	13.3347	$2s\ 2p^4\ ^2S_{1/2}$ - $2s\ 2p^3\ (^3P)\ 3d\ ^2P_{1/2}$	7.05	1.43e+03
Fe XIX	13.3362	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3s\ ^3P_2$	7.00	1.94e+03
Fe XIX *	13.3425	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^1D_2$	7.00	1.32e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XIX *	13.3472	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3D_1$	7.00	4.01e+03
Fe XXI *	13.3526	$2s\ 2p^3\ ^3S_1$ - $2s\ 2p^2\ 3s\ ^3P_0$	7.10	3.09e+04
Fe XVIII *	13.3531	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^4D_{1/2}$	6.95	2.64e+03
Fe XVIII	13.3551	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^2P_{3/2}$	6.95	2.04e+04
Fe XX	13.3590	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4F_{5/2}$	7.05	3.65e+03
Ni XX	13.3610	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^3P)\ 3s\ ^2P_{3/2}$	7.05	9.32e+03
Fe XX	13.3656	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4P_{1/2}$	7.05	2.22e+03
Fe XIX *	13.3665	$1s^2\ 2s\ 2p^5\ ^3P_0$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3P_1$	7.00	1.41e+03
Fe XXI	13.3688	$2s\ 2p^3\ ^3S_1$ - $2s\ 2p^2\ 3d\ ^3P_2$	7.10	8.02e+03
Fe XXI *	13.3699	$2s\ 2p^3\ ^3D_2$ - $2s\ 2p^2\ 3s\ ^3P_1$	7.10	1.79e+03
Fe XXII *	13.3720	$1s^2\ 2s\ 2p^2\ ^2P_{1/2}$ - $1s^2\ 2s^2\ 3p\ ^2P_{3/2}$	7.10	4.89e+03
Fe XVIII	13.3740	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^2S_{1/2}$	6.95	3.31e+03
Fe XX	13.3789	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^2P_{1/2}$	7.05	7.03e+03
Fe XX *	13.3793	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4D_{1/2}$	7.05	3.68e+03
Fe XIX *	13.3796	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3D_2$	7.00	6.25e+03
Mn XX *	13.3797	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 3d\ ^3D_1$	7.05	8.22e+03
Fe XX	13.3822	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^5S)\ 3d\ ^4D_{3/2}$	7.05	2.96e+03
Fe XX	13.3936	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^5S)\ 3d\ ^4D_{5/2}$	7.05	2.47e+04
Fe XX *	13.3953	$2s\ 2p^4\ ^4P_{3/2}$ - $2s\ 2p^3\ (^3S)\ 3s\ ^4S_{3/2}$	7.05	1.44e+04
Fe XVIII	13.3969	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^2D_{5/2}$	6.95	3.45e+04
Fe XXI *	13.3973	$2s\ 2p^3\ ^1P_1$ - $2s\ 2p^2\ 3s\ ^1S_0$	7.10	2.36e+03
Fe XXI *	13.3982	$2s^2\ 2p^2\ ^1S_0$ - $2s^2\ 2p\ 3s\ ^1P_1$	7.10	2.90e+03
Fe XX *	13.4001	$2s\ 2p^4\ ^2D_{3/2}$ - $2s\ 2p^3\ (^3D)\ 3d\ ^2D_{5/2}$	7.05	3.11e+03
Fe XIX *	13.4014	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3s\ ^5P_2$	7.00	1.55e+04
Fe XX	13.4050	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^5S)\ 3d\ ^4D_{7/2}$	7.05	8.47e+04
Fe XX	13.4054	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{5/2}$	7.05	2.00e+03
Fe XIX *	13.4064	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ ^1D_2$	7.00	5.30e+03
Ni XIX	13.4080	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3p\ ^3P_2$	7.00	1.75e+03
Fe XXI *	13.4120	$2s\ 2p^3\ ^5S_2$ - $2s^2\ 2p\ 3p\ ^1P_1$	7.10	2.29e+03
Fe XIX *	13.4155	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_1$	7.00	8.49e+03
Fe XX	13.4188	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^2P_{3/2}$	7.05	6.67e+03
Fe XIX	13.4215	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3D_3$	7.00	7.88e+03
Fe XIX *	13.4239	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3P_2$	7.00	7.72e+03
Fe XVIII	13.4241	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^4D_{3/2}$	6.95	2.11e+04
Fe XIX	13.4297	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^1F_3$	7.00	5.68e+04
Cr XXII	13.4316	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	7.15	2.06e+03
Fe XX *	13.4349	$2s\ 2p^4\ ^4P_{1/2}$ - $2s\ 2p^3\ (^3S)\ 3s\ ^4S_{3/2}$	7.05	1.03e+04
Fe XXI *	13.4368	$2p^4\ ^3P_2$ - $2p^3\ 3s\ ^3S_1$	7.10	1.37e+03
Fe XX *	13.4458	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4D_{3/2}$	7.05	1.25e+03
Ne IX	13.4473	$1s^2\ ^1S_0$ - $1s\ 2p\ ^1P_1$	6.85	1.38e+05
Fe XIX *	13.4520	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^1D_2$	7.00	1.75e+04
Fe XIX	13.4557	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3S_1$	7.00	1.37e+05
Fe XIX	13.4620	$1s^2\ 2s^2\ 2p^4\ ^3P_0$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^1P_1$	7.00	6.90e+04
Fe XVIII	13.4640	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^4D_{5/2}$	6.95	1.86e+04
Fe XIX *	13.4647	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3D_2$	7.00	1.38e+03
Fe XX	13.4674	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^2F_{5/2}$	7.05	2.21e+03
Fe XIX	13.4714	$1s^2\ 2s^2\ 2p^4\ ^3P_0$ - $1s^2\ 2s\ 2p^4\ 3s\ ^3P_2$	7.00	1.47e+05
Fe XVIII *	13.4752	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^4P_{3/2}$	6.95	5.63e+03
Fe XXI	13.4820	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3s\ ^3P_1$	7.10	4.01e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ni XX	13.4830	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^3P)\ 3s\ ^4P_{3/2}$	7.05	4.35e+03
Fe XX *	13.4851	$2s\ 2p^4\ ^4P_{3/2}$ - $2s\ 2p^3\ (^5S)\ 3d\ ^4D_{1/2}$	7.05	3.51e+03
Mn XX *	13.4853	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3d\ ^3D_1$	7.05	1.49e+03
Fe XIX *	13.4886	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3s\ ^5P_3$	7.00	1.36e+04
Fe XIX *	13.4923	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_2$	7.00	1.66e+04
Fe XIX *	13.4935	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^1F_3$	7.00	6.33e+03
Fe XIX *	13.4943	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^1D_2$	7.00	3.24e+03
Ni XIX	13.4954	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3p\ ^3D_2$	7.00	2.90e+03
Fe XIX *	13.4965	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^1F_3$	7.00	8.07e+03
Fe XX *	13.4970	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4D_{1/2}$	7.05	1.48e+03
Fe XIX *	13.5029	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3s\ ^5P_1$	7.00	1.17e+03
Fe XX	13.5050	$2s\ 2p^4\ ^4P_{3/2}$ - $2s\ 2p^3\ (^5S)\ 3d\ ^4D_{3/2}$	7.05	2.17e+04
Fe XIX	13.5064	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_2$	7.00	2.45e+05
Fe XIX	13.5068	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3P_1$	7.00	3.48e+03
Fe XXI	13.5070	$2s\ 2p^3\ ^3D_1$ - $2s\ 2p^2\ 3s\ ^3P_0$	7.10	2.09e+05
Fe XX	13.5166	$2s\ 2p^4\ ^4P_{3/2}$ - $2s\ 2p^3\ (^5S)\ 3d\ ^4D_{5/2}$	7.05	3.75e+04
Fe XIX	13.5249	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_3$	7.00	3.86e+05
Fe XX *	13.5252	$2s\ 2p^4\ ^4P_{1/2}$ - $2s\ 2p^3\ (^5S)\ 3d\ ^4D_{1/2}$	7.05	1.73e+04
Fe XX	13.5265	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{3/2}$	7.05	1.47e+03
Fe XX	13.5333	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^2P_{3/2}$	7.05	6.88e+03
Fe XIX *	13.5354	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3F_2$	7.00	1.74e+03
Fe XVIII	13.5406	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^2P_{3/2}$	6.95	2.30e+03
Fe XVIII *	13.5426	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^4D_{1/2}$	6.95	1.75e+03
Fe XX	13.5450	$2s\ 2p^4\ ^4P_{1/2}$ - $2s\ 2p^3\ (^5S)\ 3d\ ^4D_{3/2}$	7.05	1.65e+04
Fe XIX *	13.5509	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3P_2$	7.00	1.56e+03
Fe XIX *	13.5511	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3D_3$	7.00	2.43e+03
Ne IX	13.5531	$1s^2\ ^1S_0$ - $1s\ 2p\ ^3P_1$	6.80	1.80e+04
Fe XX *	13.5533	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{1/2}$	7.05	1.17e+03
Fe XIX	13.5540	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3P_1$	7.00	1.81e+04
Fe XIX	13.5548	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3P_2$	7.00	2.83e+04
Fe XIX	13.5574	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_3$	7.00	1.49e+03
Fe XXI	13.5740	$2s\ 2p^3\ ^3D_1$ - $2s^2\ 2p\ 3p\ ^1S_0$	7.10	2.96e+04
Fe XX *	13.5778	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^5S)\ 3d\ ^6D_{7/2}$	7.05	9.45e+03
Fe XX *	13.5813	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^5S)\ 3d\ ^6D_{5/2}$	7.05	7.63e+03
Fe XX *	13.5837	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^5S)\ 3d\ ^6D_{3/2}$	7.05	3.54e+03
Fe XIX *	13.5838	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3F_4$	7.00	3.67e+03
Fe XIX *	13.5861	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3D_1$	7.00	2.09e+03
Cr XXII	13.5977	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	7.15	3.90e+03
Fe XIX *	13.5981	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3S_1$	7.00	1.19e+03
Fe XIX *	13.6158	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^1D_2$	7.00	4.24e+03
Fe XIX	13.6196	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3S_1$	7.00	3.13e+03
Fe XIX	13.6209	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_1$	7.00	7.92e+03
Fe XXII *	13.6301	$1s^2\ 2s\ 2p^2\ ^2P_{3/2}$ - $1s^2\ 2s^2\ 3p\ ^2P_{3/2}$	7.10	5.70e+03
Fe XIX	13.6338	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^1P_1$	7.00	3.42e+03
Co XVIII	13.6340	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3d\ ^1P_1$	6.95	5.11e+03
Fe XIX	13.6357	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3G_3$	7.00	2.53e+04
Fe XIX *	13.6405	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3P_0$	7.00	7.29e+03
Fe XIX	13.6434	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s\ 2p^4\ 3s\ ^3P_2$	7.00	7.21e+03
Fe XIX	13.6455	$1s^2\ 2s^2\ 2p^4\ ^3P_0$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3P_1$	7.00	2.89e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XX	13.6470	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{7/2}$	7.05	1.60e+03
Fe XIX *	13.6476	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_2$	7.00	1.06e+04
Fe XIX	13.6480	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3F_3$	7.00	7.66e+04
Fe XIX *	13.6704	$1s^2\ 2s^2\ 2p^4\ ^1S_0$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^1P_1$	7.00	1.87e+03
Fe XIX	13.6716	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_2$	7.00	2.87e+04
Fe XIX	13.6720	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3P_1$	7.00	2.04e+04
Fe XIX	13.6733	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3F_2$	7.00	2.72e+04
Fe XXII *	13.6757	$1s^2\ 2s\ 2p^2\ ^2S_{1/2}$ - $1s^2\ 2s^2\ 3p\ ^2P_{1/2}$	7.10	1.47e+04
Fe XIX *	13.6833	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3D_2$	7.00	5.91e+03
Fe XIX	13.6905	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_3$	7.00	1.31e+05
Fe XIX *	13.6916	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3F_2$	7.00	3.22e+03
Fe XIX	13.6937	$1s^2\ 2s^2\ 2p^4\ ^3P_0$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3P_1$	7.00	1.06e+04
Fe XIX *	13.6951	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3P_0$	7.00	2.57e+03
Ne IX	13.6990	$1s^2\ ^1S_0$ - $1s\ 2s\ ^3S_1$	6.80	6.37e+04
Fe XXI *	13.7020	$2s\ 2p^3\ ^3D_3$ - $2s^2\ 2p\ 3p\ ^1D_2$	7.10	2.28e+03
Fe XX *	13.7107	$2s\ 2p^4\ ^4P_{3/2}$ - $2s\ 2p^3\ (^5S)\ 3d\ ^6D_{1/2}$	7.05	2.35e+03
Fe XIX *	13.7157	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3S_1$	7.00	1.83e+03
Fe XXI	13.7172	$2s^2\ 2p^2\ ^1S_0$ - $2s^2\ 2p\ 3s\ ^3P_1$	7.10	1.23e+03
Fe XIX	13.7203	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3P_1$	7.00	3.57e+03
Fe XIX *	13.7209	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s\ 2p^4\ 3s\ ^5P_2$	7.00	1.98e+04
Fe XIX	13.7210	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3F_3$	7.00	1.11e+04
Fe XIX	13.7212	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3P_2$	7.00	6.41e+04
Fe XX *	13.7373	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^1D)\ 3s\ ^2D_{5/2}$	7.05	2.03e+03
Fe XIX	13.7413	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^1F_3$	7.00	7.87e+04
Fe XIX	13.7536	$1s^2\ 2p^6\ ^1S_0$ - $1s^2\ 2s^2\ 2p^3\ 4d\ ^3P_2$	7.00	6.99e+03
Fe XIX	13.7620	$1s^2\ 2s^2\ 2p^4\ ^3P_0$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_1$	7.00	2.07e+04
Fe XX *	13.7634	$2s\ 2p^4\ ^4P_{1/2}$ - $2s\ 2p^3\ (^3P)\ 3s\ ^4P_{3/2}$	7.05	2.30e+03
Fe XIX	13.7686	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3S_1$	7.00	4.17e+04
Fe XIX *	13.7740	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^1D_2$	7.00	3.29e+04
Ni XIX	13.7777	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3s\ ^3P_1$	7.00	6.81e+04
Fe XIX *	13.7797	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^1S_0$	7.00	1.94e+03
Fe XX	13.7806	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3s\ ^4P_{5/2}$	7.05	5.57e+04
Fe XXI	13.7830	$2s\ 2p^3\ ^3P_1$ - $2s\ 2p^2\ 3s\ ^3P_0$	7.10	2.64e+04
Fe XIX *	13.7871	$1s^2\ 2s\ 2p^5\ ^3P_0$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3F_4$	7.00	1.54e+03
Fe XIX	13.7916	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_1$	7.00	1.59e+03
Fe XIX	13.7990	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_3$	7.00	1.96e+05
Fe XIX *	13.8118	$1s^2\ 2s\ 2p^5\ ^1P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3F_2$	7.00	2.70e+03
Fe XX *	13.8166	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^1D)\ 3s\ ^2D_{5/2}$	7.05	5.04e+03
Fe XXI *	13.8166	$2s\ 2p^3\ ^3D_1$ - $2s^2\ 2p\ 3p\ ^3P_1$	7.10	1.79e+03
Fe XXI *	13.8187	$2s\ 2p^3\ ^3D_2$ - $2s^2\ 2p\ 3p\ ^3P_1$	7.10	3.94e+03
Fe XIX	13.8221	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3P_1$	7.00	2.30e+03
Fe XXI *	13.8227	$2s\ 2p^3\ ^3D_3$ - $2s^2\ 2p\ 3p\ ^3P_2$	7.10	4.82e+03
Fe XVII	13.8250	$2s^2\ 2p^6\ ^1S_0$ - $2s\ 2p^6\ 3p\ ^1P_1$	6.90	1.05e+05
Fe XX *	13.8254	$2s\ 2p^4\ ^4P_{5/2}$ - $2s\ 2p^3\ (^3D)\ 3s\ ^4D_{7/2}$	7.05	1.80e+03
Fe XIX	13.8410	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_3$	7.00	7.34e+03
Fe XIX	13.8426	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3F_2$	7.00	9.45e+03
Fe XIX	13.8437	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_2$	7.00	3.79e+04
Fe XX	13.8440	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3s\ ^4P_{3/2}$	7.05	3.38e+04
Fe XXI	13.8527	$2s\ 2p^3\ ^3P_1$ - $2s^2\ 2p\ 3p\ ^1S_0$	7.10	3.91e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XX *	13.8557	$2s\ 2p^4\ ^2D_{5/2}$ - $2s\ 2p^3\ (^3S)\ 3s\ ^4S_{3/2}$	7.05	3.08e+03
Fe XXI *	13.8573	$2s\ 2p^3\ ^3D_3$ - $2s^2\ 2p\ 3p\ ^3D_3$	7.10	2.85e+03
Co XVIII	13.8681	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3d\ ^3D_1$	6.95	1.67e+03
Fe XIX	13.8715	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3P_1$	7.00	1.24e+04
Fe XIX	13.8723	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3P_2$	7.00	2.16e+03
Fe XVII	13.8900	$2s^2\ 2p^6\ ^1S_0$ - $2s\ 2p^6\ 3p\ ^3P_1$	6.90	1.88e+04
Fe XIX *	13.9099	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^5D_0$	7.00	2.60e+03
Fe XX *	13.9316	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3s\ ^2P_{3/2}$	7.05	2.10e+03
Fe XIX	13.9362	$1s^2\ 2s^2\ 2p^4\ ^3P_0$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_1$	7.00	2.24e+04
Fe XIX	13.9380	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^5D_2$	7.00	2.64e+04
Fe XIX	13.9380	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3D_3$	7.00	1.15e+04
Fe XIX	13.9380	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^5D_3$	7.00	9.98e+03
Fe XIX	13.9380	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^5D_1$	7.00	1.17e+04
Fe XIX	13.9416	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_1$	7.00	8.09e+03
Fe XIX	13.9571	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3G_3$	7.00	1.10e+04
Fe XVIII	13.9620	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1S)\ 3d\ ^2D_{5/2}$	6.95	3.64e+04
Fe XIX	13.9620	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3F_2$	7.00	6.91e+03
Fe XIX	13.9638	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_1$	7.00	1.01e+04
Fe XXI *	13.9672	$2s\ 2p^3\ ^3D_2$ - $2s^2\ 2p\ 3p\ ^3D_2$	7.10	7.18e+03
Fe XIX	13.9699	$1s^2\ 2s^2\ 2p^4\ ^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3F_3$	7.00	1.50e+03
Fe XX	13.9723	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3s\ ^4P_{1/2}$	7.05	2.59e+04
Fe XXI *	13.9733	$2s\ 2p^3\ ^3D_2$ - $2s^2\ 2p\ 3p\ ^1P_1$	7.10	2.26e+04
Fe XXI	14.0080	$2s\ 2p^3\ ^3D_1$ - $2s^2\ 2p\ 3p\ ^3P_0$	7.10	1.59e+05
Fe XX *	14.0097	$2s\ 2p^4\ ^4P_{3/2}$ - $2s\ 2p^3\ (^3D)\ 3s\ ^4D_{3/2}$	7.05	2.33e+03
Fe XX *	14.0131	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^3P)\ 3s\ ^2P_{3/2}$	7.05	1.07e+04
Fe XIX	14.0170	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3P_2$	7.00	8.54e+03
Fe XIX	14.0173	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_2$	7.00	2.69e+04
Fe XIX *	14.0179	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3D_2$	7.00	2.19e+04
Fe XX *	14.0207	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3s\ ^2P_{1/2}$	7.05	9.80e+03
Fe XIX *	14.0236	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3P_1$	7.00	8.60e+03
Fe XXI *	14.0243	$2s\ 2p^3\ ^3D_3$ - $2s^2\ 2p\ 3p\ ^3D_2$	7.10	2.04e+04
Cr XXI *	14.0326	$2s\ 2p\ ^1P_1$ - $2s\ 3d\ ^1D_2$	7.10	9.68e+03
Mn XXI *	14.0350	$2s\ 2p^2\ ^2D_{3/2}$ - $2s\ 2p\ 3s\ ^2P_{1/2}$	7.10	1.60e+03
Ni XIX	14.0398	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3s\ ^1P_1$	7.00	9.15e+04
Fe XIX	14.0420	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^3F_3$	7.00	2.77e+04
Ca XVIII	14.0487	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{3/2}$	7.10	2.31e+03
Fe XIX *	14.0527	$1s^2\ 2p^6\ ^1S_0$ - $1s^2\ 2s^2\ 2p^3\ 4p\ ^3P_0$	7.00	1.19e+03
Fe XX *	14.0586	$2s\ 2p^4\ ^2D_{5/2}$ - $2s\ 2p^3\ (^3P)\ 3s\ ^2P_{3/2}$	7.05	2.20e+03
Ca XVIII	14.0594	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{1/2}$	7.10	4.50e+03
Fe XIX *	14.0610	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ ^5P_3$	7.00	4.60e+03
Fe XXI *	14.0664	$2s\ 2p^3\ ^3P_1$ - $2s^2\ 2p\ 3p\ ^3S_1$	7.10	1.82e+03
Fe XIX	14.0714	$1s^2\ 2s^2\ 2p^4\ ^1S_0$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3S_1$	7.00	2.00e+03
Ni XIX	14.0741	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3s\ ^3P_2$	7.00	6.54e+04
Fe XX *	14.0810	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^1D)\ 3s\ ^2D_{3/2}$	7.05	4.91e+03
Fe XXI *	14.0830	$2s\ 2p^3\ ^3D_1$ - $2s^2\ 2p\ 3p\ ^3D_1$	7.10	9.21e+03
Fe XIX *	14.0851	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^5D_0$	7.00	9.08e+03
Fe XIX	14.0857	$1s^2\ 2s^2\ 2p^4\ ^3P_0$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^5D_1$	7.00	2.27e+03
Fe XIX	14.0857	$1s^2\ 2s^2\ 2p^4\ ^3P_0$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^5D_3$	7.00	1.20e+04
Fe XIX *	14.0898	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3F_4$	7.00	8.49e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXI *	14.0903	$2s\ 2p^3\ {}^3P_2$ - $2s^2\ 2p\ 3p\ {}^3P_2$	7.10	1.17e+03
Cr XX *	14.0916	$2s^2\ 2p\ {}^2P_{1/2}$ - $2s^2\ 3d\ {}^2D_{3/2}$	7.05	7.07e+03
Fe XX *	14.1010	$2s^2\ 2p^3\ {}^2P_{3/2}$ - $2s^2\ 2p^2\ ({}^1D)\ 3s\ {}^2D_{5/2}$	7.05	1.21e+03
Fe XIX	14.1139	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ {}^5D_3$	7.00	1.19e+04
Fe XIX	14.1139	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ {}^5D_2$	7.00	3.16e+03
Fe XIX	14.1139	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ {}^5D_1$	7.00	2.02e+03
Fe XX	14.1148	$2s^2\ 2p^3\ {}^2D_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3s\ {}^4P_{3/2}$	7.05	3.41e+03
Fe XIX *	14.1161	$1s^2\ 2s\ 2p^5\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ {}^5P_2$	7.00	3.49e+03
Fe XX *	14.1207	$2s\ 2p^4\ {}^2S_{1/2}$ - $2s\ 2p^3\ ({}^3S)\ 3s\ {}^4S_{3/2}$	7.05	4.49e+03
Fe XX	14.1233	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3s\ {}^4P_{5/2}$	7.05	1.40e+04
Fe XVIII	14.1241	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^1S)\ 3d\ {}^2D_{3/2}$	6.95	6.04e+03
Fe XXI *	14.1262	$2s\ 2p^3\ {}^3P_2$ - $2s^2\ 2p\ 3p\ {}^3D_3$	7.10	5.52e+03
Fe XIX *	14.1272	$1s^2\ 2s\ 2p^5\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ {}^5F_3$	7.00	9.02e+03
Fe XIX	14.1282	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ {}^3D_3$	7.00	2.44e+03
Fe XVIII *	14.1335	$2s\ 2p^6\ {}^2S_{1/2}$ - $2s\ 2p^5\ ({}^1P)\ 3d\ {}^2D_{3/2}$	6.95	6.60e+03
Fe XVIII	14.1361	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 3d\ {}^2P_{1/2}$	6.95	8.18e+03
Fe XIX *	14.1429	$1s^2\ 2s\ 2p^5\ {}^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ {}^3D_2$	7.00	9.94e+03
Fe XVIII	14.1443	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 3d\ {}^2D_{3/2}$	6.95	2.05e+04
Fe XVIII *	14.1476	$2s\ 2p^6\ {}^2S_{1/2}$ - $2s\ 2p^5\ ({}^1P)\ 3d\ {}^2P_{1/2}$	6.95	2.80e+03
Fe XIX *	14.1487	$1s^2\ 2s\ 2p^5\ {}^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ {}^3P_1$	7.00	1.04e+04
Fe XIX *	14.1499	$1s^2\ 2s\ 2p^5\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ 3d\ {}^5P_1$	7.00	2.18e+03
Fe XIX *	14.1569	$1s^2\ 2s\ 2p^5\ {}^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ {}^3P_0$	7.00	5.66e+03
Fe XVIII *	14.1639	$2s\ 2p^6\ {}^2S_{1/2}$ - $2s\ 2p^5\ ({}^1P)\ 3d\ {}^2P_{3/2}$	6.95	3.44e+03
Fe XIX *	14.1706	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ {}^3F_3$	7.00	9.18e+03
Fe XX *	14.1737	$2s^2\ 2p^3\ {}^2P_{1/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3s\ {}^2P_{3/2}$	7.05	3.76e+03
Fe XIX	14.1751	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ {}^3D_2$	7.00	1.79e+03
Fe XX *	14.1860	$2s\ 2p^4\ {}^4P_{5/2}$ - $2s^2\ 2p^2\ ({}^1S)\ 3p\ {}^2P_{3/2}$	7.05	2.52e+03
Fe XXI	14.1884	$2s\ 2p^3\ {}^3S_1$ - $2s^2\ 2p\ 3p\ {}^1S_0$	7.10	3.26e+03
Fe XX	14.1899	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3s\ {}^4P_{3/2}$	7.05	2.81e+03
Fe XIX	14.2026	$1s^2\ 2s\ 2p^5\ {}^3P_1$ - $1s^2\ 2s\ 2p^4\ 3d\ {}^3F_4$	7.00	2.37e+04
Fe XVIII	14.2039	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 3d\ {}^2D_{5/2}$	6.95	5.83e+05
Fe XVIII	14.2088	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 3d\ {}^2P_{3/2}$	6.95	3.28e+05
Fe XIX *	14.2142	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ {}^3F_2$	7.00	1.60e+03
Fe XX *	14.2224	$2s\ 2p^4\ {}^2P_{3/2}$ - $2s\ 2p^3\ ({}^3S)\ 3s\ {}^4S_{3/2}$	7.05	4.02e+03
Fe XX	14.2482	$2s^2\ 2p^3\ {}^2D_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3s\ {}^4P_{1/2}$	7.05	3.83e+03
Fe XIX	14.2521	$1s^2\ 2s^2\ 2p^4\ {}^1S_0$ - $1s^2\ 2s^2\ 2p^3\ 3d\ {}^3D_1$	7.00	2.25e+03
Fe XVIII	14.2580	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 3d\ {}^2F_{5/2}$	6.95	4.71e+04
Fe XVIII	14.2580	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 3d\ {}^2S_{1/2}$	6.95	1.31e+05
Cr XX *	14.2583	$2s^2\ 2p\ {}^2P_{3/2}$ - $2s^2\ 3d\ {}^2D_{3/2}$	7.05	1.36e+03
Fe XXI *	14.2616	$2s\ 2p^3\ {}^3P_1$ - $2s^2\ 2p\ 3p\ {}^3D_2$	7.10	1.29e+04
Fe XX	14.2634	$2s\ 2p^4\ {}^4P_{5/2}$ - $2s\ 2p^3\ ({}^5S)\ 3s\ {}^4S_{3/2}$	7.05	1.01e+05
Fe XX *	14.2659	$2s^2\ 2p^3\ {}^2P_{1/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3s\ {}^2P_{1/2}$	7.05	2.88e+03
Fe XIX *	14.2808	$1s^2\ 2s\ 2p^5\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ 3s\ {}^3P_2$	7.00	1.38e+04
Fe XIX	14.2946	$1s^2\ 2s\ 2p^5\ {}^3P_0$ - $1s^2\ 2s\ 2p^4\ 3d\ {}^3F_4$	7.00	1.43e+04
Fe XXI *	14.2998	$2s\ 2p^3\ {}^3P_2$ - $2s^2\ 2p\ 3p\ {}^3D_2$	7.10	9.29e+03
Fe XIX *	14.3037	$1s^2\ 2s\ 2p^5\ {}^3P_0$ - $1s^2\ 2s\ 2p^4\ 3d\ {}^5F_2$	7.00	1.25e+03
Fe XX *	14.3058	$2s^2\ 2p^3\ {}^2P_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3s\ {}^2P_{3/2}$	7.05	1.67e+03
Fe XXI *	14.3063	$2s\ 2p^3\ {}^3P_2$ - $2s^2\ 2p\ 3p\ {}^1P_1$	7.10	2.65e+03
Fe XX	14.3125	$2s\ 2p^4\ {}^4P_{5/2}$ - $2s^2\ 2p^2\ ({}^1D)\ 3p\ {}^2P_{3/2}$	7.05	4.16e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XX *	14.3228	2s $2p^4$ $^4P_{3/2}$ - $2s^2$ $2p^2$ (^{1}S) 3p $^2P_{3/2}$	7.05	1.34e+03
Fe XX *	14.3259	2s $2p^4$ $^2D_{3/2}$ - 2s $2p^3$ (^{3}D) 3s $^2D_{3/2}$	7.05	9.22e+03
Fe XIX	14.3295	$1s^2$ $2s^2$ $2p^4$ $^3P_1$ - $1s^2$ $2s^2$ $2p^3$ 3p $^1F_3$	7.00	2.38e+03
Fe XVIII	14.3441	$2s^2$ $2p^5$ $^2P_{1/2}$ - $2s^2$ $2p^4$ (^{1}D) 3d $^2P_{1/2}$	6.95	4.01e+04
Fe XXI *	14.3474	2s $2p^3$ $^1D_2$ - $2s^2$ 2p 3p $^1D_2$	7.10	2.21e+03
Fe XVIII	14.3525	$2s^2$ $2p^5$ $^2P_{1/2}$ - $2s^2$ $2p^4$ (^{1}D) 3d $^2D_{3/2}$	6.95	6.64e+04
Fe XIX *	14.3525	$1s^2$ $2s^2$ $2p^4$ $^3P_1$ - $1s^2$ $2s^2$ $2p^3$ 3p $^3F_3$	7.00	1.53e+03
Fe XIX *	14.3599	$1s^2$ $2s^2$ $2p^4$ $^3P_2$ - $1s^2$ $2s^2$ $2p^3$ 3p $^3P_0$	7.00	3.48e+03
Fe XXI *	14.3644	2s $2p^3$ $^3P_0$ - $2s^2$ 2p 3p $^3D_1$	7.10	6.26e+03
Fe XVIII	14.3730	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^2D_{5/2}$	6.95	2.25e+05
Fe XIX *	14.3775	$1s^2$ $2s^2$ $2p^4$ $^3P_2$ - $1s^2$ $2s^2$ $2p^3$ 3p $^3P_2$	7.00	8.48e+03
Fe XXI *	14.3848	2s $2p^3$ $^3P_1$ - $2s^2$ 2p 3p $^3D_1$	7.10	7.01e+03
Fe XVIII	14.3947	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^2P_{3/2}$	6.95	4.21e+03
Fe XIX *	14.3973	$1s^2$ $2s^2$ $2p^4$ $^3P_1$ - $1s^2$ $2s^2$ $2p^3$ 3p $^3F_2$	7.00	4.20e+03
Fe XIX *	14.4023	$1s^2$ 2s $2p^5$ $^3P_1$ - $1s^2$ 2s $2p^4$ 3d $^5D_2$	7.00	1.27e+03
Fe XX	14.4029	2s $2p^4$ $^4P_{3/2}$ - 2s $2p^3$ (^{5}S) 3s $^4S_{3/2}$	7.05	4.02e+04
Fe XIX *	14.4106	$1s^2$ 2s $2p^5$ $^3P_1$ - $1s^2$ 2s $2p^4$ 3s $^3P_2$	7.00	1.30e+04
Fe XVIII	14.4189	$2s^2$ $2p^5$ $^2P_{1/2}$ - $2s^2$ $2p^4$ (^{1}D) 3d $^2P_{3/2}$	6.95	4.93e+04
Fe XVIII	14.4190	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^4P_{5/2}$	6.95	3.79e+04
Fe XIX *	14.4227	$1s^2$ $2s^2$ $2p^4$ $^3P_2$ - $1s^2$ $2s^2$ $2p^3$ 3p $^3P_1$	7.00	5.02e+03
Fe XXI *	14.4236	2s $2p^3$ $^3P_2$ - $2s^2$ 2p 3p $^3D_1$	7.10	2.40e+03
Fe XX	14.4485	2s $2p^4$ $^4P_{1/2}$ - 2s $2p^3$ (^{5}S) 3s $^4S_{3/2}$	7.05	2.72e+04
Fe XXI	14.4522	2s $2p^3$ $^1P_1$ - 2s $2p^2$ 3s $^3P_0$	7.10	3.53e+03
Fe XX	14.4530	2s $2p^4$ $^4P_{3/2}$ - $2s^2$ $2p^2$ (^{1}D) 3p $^2P_{3/2}$	7.05	2.79e+04
Fe XVIII	14.4530	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^2D_{3/2}$	6.95	1.98e+04
Fe XVIII	14.4696	$2s^2$ $2p^5$ $^2P_{1/2}$ - $2s^2$ $2p^4$ (^{1}D) 3d $^2S_{1/2}$	6.95	2.18e+04
Ni XX	14.4700	2s $2p^6$ $^2S_{1/2}$ - $2s^2$ $2p^4$ (^{1}D) 3p $^2P_{3/2}$	7.05	2.29e+04
Fe XVIII *	14.4745	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^2P_{1/2}$	6.95	5.28e+03
Fe XVIII	14.4871	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^4F_{5/2}$	6.95	1.33e+04
Fe XVIII	14.4871	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^4F_{3/2}$	6.95	2.58e+04
Fe XIX *	14.4882	$1s^2$ $2s^2$ $2p^4$ $^3P_2$ - $1s^2$ $2s^2$ $2p^3$ 3p $^5P_3$	7.00	1.92e+03
Fe XIX	14.4945	$1s^2$ $2s^2$ $2p^4$ $^1D_2$ - $1s^2$ $2s^2$ $2p^3$ 3p $^1F_3$	7.00	6.28e+03
Fe XX	14.4989	2s $2p^4$ $^4P_{1/2}$ - $2s^2$ $2p^2$ (^{1}D) 3p $^2P_{3/2}$	7.05	1.18e+04
Fe XX *	14.5207	2s $2p^4$ $^4P_{5/2}$ - 2s $2p^3$ (^{5}S) 3s $^6S_{5/2}$	7.05	5.48e+03
Fe XIX *	14.5285	$1s^2$ $2s^2$ $2p^4$ $^3P_2$ - $1s^2$ $2s^2$ $2p^3$ 3p $^5P_2$	7.00	3.05e+03
Fe XXI	14.5290	2s $2p^3$ $^1P_1$ - $2s^2$ 2p 3p $^1S_0$	7.10	1.34e+04
Fe XIX *	14.5329	$1s^2$ $2s^2$ $2p^4$ $^3P_0$ - $1s^2$ $2s^2$ $2p^3$ 3p $^3P_2$	7.00	4.47e+03
Fe XVIII	14.5370	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^2F_{5/2}$	6.95	1.68e+05
Fe XIX	14.5476	$1s^2$ $2s^2$ $2p^4$ $^1D_2$ - $1s^2$ $2s^2$ $2p^3$ 3p $^3D_3$	7.00	1.98e+03
Fe XVIII	14.5510	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^4P_{3/2}$	6.95	8.16e+04
Fe XIX *	14.5648	$1s^2$ $2s^2$ $2p^4$ $^3P_1$ - $1s^2$ $2s^2$ $2p^3$ 3p $^3P_2$	7.00	4.06e+03
Fe XIX	14.5704	$1s^2$ $2s^2$ $2p^4$ $^3P_1$ - $1s^2$ 2s2 $2p^3$ 3s $^3P_2$	7.00	5.47e+03
Cr XXI *	14.5725	2s 2p $^1P_1$ - 2s 3s $^1S_0$	7.10	5.37e+03
Fe XVIII	14.5798	2s $2p^6$ $^2S_{1/2}$ - 2s $2p^5$ (^{3}P) 3d $^2P_{3/2}$	6.95	7.20e+03
Fe XVIII	14.5800	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^4P_{1/2}$	6.95	3.73e+04
Fe XVIII	14.6104	$2s^2$ $2p^5$ $^2P_{1/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^2P_{3/2}$	6.95	1.62e+04
Fe XIX	14.6219	$1s^2$ $2s^2$ $2p^4$ $^3P_2$ - $1s^2$ 2s2 $2p^3$ 3s $^1D_2$	7.00	2.06e+03
Fe XXI *	14.6354	2s $2p^3$ $^3S_1$ - $2s^2$ 2p 3p $^1P_1$	7.10	1.31e+03
Fe XVIII *	14.6394	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^4D_{1/2}$	6.95	1.85e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XIX *	14.6528	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s2\ 2p^3\ 3s\ {}^3P_0$	7.00	2.85e+03
Ca XVIII	14.6579	$1s^2\ 2p\ {}^2P_{1/2}$ - $1s^2\ 4d\ {}^2D_{3/2}$	7.10	1.98e+03
Fe XIX *	14.6593	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s2\ 2p^3\ 3s\ {}^1P_1$	7.00	3.91e+03
Fe XXI	14.6632	$2s\ 2p^3\ {}^3S_1$ - $2s^2\ 2p\ 3p\ {}^3P_0$	7.10	4.42e+03
Fe XIX	14.6639	$1s^2\ 2s^2\ 2p^4\ {}^3P_0$ - $1s^2\ 2s2\ 2p^3\ 3s\ {}^3P_1$	7.00	7.09e+03
Fe XX *	14.6640	$2s\ 2p^4\ {}^4P_{3/2}$ - $2s\ 2p^3\ ({}^5S)\ 3s\ {}^6S_{5/2}$	7.05	1.46e+03
Fe XX *	14.6669	$2s\ 2p^4\ {}^4P_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^2D_{5/2}$	7.05	7.47e+03
Fe XIX	14.6690	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s2\ 2p^3\ 3s\ {}^3D_3$	7.00	1.14e+05
Fe XVIII	14.6705	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3d\ {}^2D_{3/2}$	6.95	1.46e+04
Fe XVIII *	14.6710	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3d\ {}^4D_{5/2}$	6.95	1.29e+03
Fe XIX *	14.6868	$1s^2\ 2s\ 2p^5\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ 3s\ {}^3D_3$	7.00	1.84e+03
Fe XIX	14.6945	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s2\ 2p^3\ 3s\ {}^3P_1$	7.00	1.81e+03
Fe XIX *	14.6949	$1s^2\ 2s\ 2p^5\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ 3p\ {}^5D_1$	7.00	2.93e+03
Fe XVIII *	14.6975	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3d\ {}^2P_{1/2}$	6.95	2.75e+03
Fe XVIII	14.7056	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3d\ {}^4F_{3/2}$	6.95	2.22e+03
Fe XVIII	14.7058	$2s\ 2p^6\ {}^2S_{1/2}$ - $2s\ 2p^5\ ({}^3P)\ 3d\ {}^2P_{1/2}$	6.95	1.98e+04
Cr XIX *	14.7076	$2s^2\ 2p^2\ {}^3P_0$ - $2s^2\ 2p\ 3d\ {}^3D_1$	7.00	1.03e+04
Fe XIX	14.7325	$1s^2\ 2s\ 2p^5\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ 3s\ {}^3D_2$	7.00	2.59e+03
Ca XVIII	14.7380	$1s^2\ 2p\ {}^2P_{3/2}$ - $1s^2\ 4d\ {}^2D_{5/2}$	7.10	1.85e+03
Mn XX *	14.7380	$2s\ 2p^3\ {}^3D_1$ - $2s\ 2p^2\ 3s\ {}^3P_0$	7.05	1.70e+03
Fe XIX	14.7381	$1s^2\ 2s^2\ 2p^4\ {}^3P_2$ - $1s^2\ 2s2\ 2p^3\ 3s\ {}^3D_2$	7.00	5.97e+04
Fe XIX	14.7410	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s2\ 2p^3\ 3s\ {}^3P_2$	7.00	5.45e+03
Fe XXI *	14.7582	$2s\ 2p^3\ {}^3S_1$ - $2s^2\ 2p\ 3p\ {}^3D_1$	7.10	2.50e+03
Fe XVIII *	14.7599	$2s\ 2p^6\ {}^2S_{1/2}$ - $2s\ 2p^5\ ({}^3P)\ 3d\ {}^4D_{3/2}$	6.95	2.25e+03
Fe XX	14.7637	$2s\ 2p^4\ {}^4P_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^4S_{3/2}$	7.05	5.67e+04
Fe XVIII	14.7714	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3d\ {}^4P_{3/2}$	6.95	1.01e+04
Fe XVIII	14.7718	$2s\ 2p^6\ {}^2S_{1/2}$ - $2s\ 2p^5\ ({}^3P)\ 3d\ {}^2D_{3/2}$	6.95	2.69e+04
Fe XX *	14.8060	$2s\ 2p^4\ {}^4P_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^2D_{3/2}$	7.05	1.86e+04
Fe XVIII *	14.8068	$2s\ 2p^6\ {}^2S_{1/2}$ - $2s\ 2p^5\ ({}^3P)\ 3d\ {}^4D_{1/2}$	6.95	2.17e+03
Cr XIX *	14.8097	$2s^2\ 2p^2\ {}^3P_1$ - $2s^2\ 2p\ 3d\ {}^3D_1$	7.00	1.95e+03
Fe XX	14.8128	$2s\ 2p^4\ {}^4P_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^4D_{7/2}$	7.05	1.37e+04
Fe XIX	14.8156	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s2\ 2p^3\ 3s\ {}^1D_2$	7.00	4.98e+03
O VIII	14.8205	$1s\ {}^2S_{1/2}$ - $5p\ {}^2P_{3/2}$	7.05	2.86e+04
O VIII	14.8207	$1s\ {}^2S_{1/2}$ - $5p\ {}^2P_{1/2}$	7.05	1.43e+04
Fe XX *	14.8240	$2s\ 2p^4\ {}^4P_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^2P_{3/2}$	7.05	9.76e+03
Fe XX *	14.8304	$2s\ 2p^4\ {}^4P_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^4P_{5/2}$	7.05	1.98e+04
Fe XXI *	14.8322	$2s\ 2p^3\ {}^1D_2$ - $2s^2\ 2p\ 3p\ {}^3D_1$	7.10	3.61e+03
Ca XVII *	14.8325	$2s^2\ {}^1S_0$ - $2s\ 4p\ {}^1P_1$	6.95	2.11e+03
Ca XVIII *	14.8406	$1s^2\ 2p\ {}^2P_{3/2}$ - $1s^2\ 4s\ {}^2S_{1/2}$	7.10	1.73e+03
Fe XX *	14.8504	$2s\ 2p^4\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^1S)\ 3p\ {}^2P_{3/2}$	7.05	3.72e+03
Fe XVIII *	14.8676	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3d\ {}^4D_{1/2}$	6.95	7.51e+03
Fe XIX	14.8680	$1s^2\ 2s^2\ 2p^4\ {}^1D_2$ - $1s^2\ 2s2\ 2p^3\ 3s\ {}^3P_1$	7.00	5.11e+03
Fe XIX	14.8680	$1s^2\ 2s\ 2p^5\ {}^3P_1$ - $1s^2\ 2s\ 2p^4\ 3s\ {}^3D_2$	7.00	6.74e+03
Fe XVIII *	14.8718	$2s\ 2p^6\ {}^2S_{1/2}$ - $2s\ 2p^5\ ({}^3P)\ 3d\ {}^4F_{3/2}$	6.95	6.45e+03
Fe XX *	14.8725	$2s\ 2p^4\ {}^4P_{1/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^2P_{3/2}$	7.05	4.43e+03
Fe XVIII *	14.8896	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3d\ {}^4D_{3/2}$	6.95	1.98e+04
Fe XIX	14.9004	$1s^2\ 2s^2\ 2p^4\ {}^3P_0$ - $1s^2\ 2s2\ 2p^3\ 3s\ {}^3D_1$	7.00	3.64e+03
Fe XVIII *	14.9080	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 3p\ {}^2D_{5/2}$	6.95	2.26e+03
Fe XX	14.9100	$2s\ 2p^4\ {}^4P_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^4D_{5/2}$	7.05	4.39e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XX	14.9133	2s $2p^4$ $^4P_{3/2}$ - $2s^2$ $2p^2$ (^{3}P) 3p $^4S_{3/2}$	7.05	4.47e+04
Fe XX	14.9320	2s $2p^4$ $^4P_{5/2}$ - $2s^2$ $2p^2$ (^{3}P) 3p $^4P_{3/2}$	7.05	2.49e+04
Fe XIX	14.9320	$1s^2$ $2s^2$ $2p^4$ $^3P_1$ - $1s^2$ 2s2 $2p^3$ 3s $^3D_1$	7.00	2.26e+04
Fe XVI s *	14.9336	3p $^2P_{1/2}$ - $2p^5$ 3p 3d $^2S_{1/2}$	6.85	1.36e+03
Fe XIX	14.9350	$1s^2$ $2s^2$ $2p^4$ $^3P_1$ - $1s^2$ 2s2 $2p^3$ 3s $^3D_2$	7.00	1.59e+04
Fe XX *	14.9550	2s $2p^4$ $^4P_{3/2}$ - $2s^2$ $2p^2$ (^{3}P) 3p $^2D_{3/2}$	7.05	1.21e+03
Fe XX	14.9622	2s $2p^4$ $^4P_{1/2}$ - $2s^2$ $2p^2$ (^{3}P) 3p $^4S_{3/2}$	7.05	2.99e+04
Fe XX	14.9670	2s $2p^4$ $^2D_{5/2}$ - $2s^2$ $2p^2$ (^{1}D) 3p $^2P_{3/2}$	7.05	6.13e+03
Fe XVIII *	14.9687	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{1}D) 3p $^2F_{7/2}$	6.95	1.57e+04
Fe XX *	14.9799	2s $2p^4$ $^4P_{3/2}$ - $2s^2$ $2p^2$ (^{3}P) 3p $^4P_{5/2}$	7.05	4.09e+03
Fe XIX	14.9920	$1s^2$ $2s^2$ $2p^4$ $^1D_2$ - $1s^2$ 2s2 $2p^3$ 3s $^1D_2$	7.00	3.64e+04
Fe XIX	14.9920	$1s^2$ $2s^2$ $2p^4$ $^3P_2$ - $1s^2$ 2s2 $2p^3$ 3s $^3S_1$	7.00	7.36e+04
Fe XIX *	14.9997	$1s^2$ $2s^2$ $2p^4$ $^1S_0$ - $1s^2$ 2s2 $2p^3$ 3s $^1P_1$	7.00	5.41e+03
Fe XVIII *	15.0010	2s $2p^6$ $^2S_{1/2}$ - 2s $2p^5$ (^{3}P) 3d $^4P_{3/2}$	6.95	1.22e+03
Fe XX *	15.0011	2s $2p^4$ $^4P_{3/2}$ - $2s^2$ $2p^2$ (^{3}P) 3p $^4P_{1/2}$	7.05	3.30e+03
Fe XVII	15.0130	$2s^2$ $2p^6$ $^1S_0$ - $2s^2$ $2p^5$ 3d $^1P_1$	6.90	1.10e+06
Fe XVI s *	15.0189	3p $^2P_{3/2}$ - $2p^5$ 3p 3d $^2P_{3/2}$	6.85	2.44e+03
Fe XVI s *	15.0233	3p $^2P_{3/2}$ - $2p^5$ 3p 3d $^2D_{5/2}$	6.85	1.31e+03
Fe XIX	15.0416	$1s^2$ $2s^2$ $2p^4$ $^1D_2$ - $1s^2$ 2s2 $2p^3$ 3s $^3D_3$	7.00	1.16e+04
Fe XVI s *	15.0480	3p $^2P_{3/2}$ - $2p^5$ 3p 3d $^2P_{1/2}$	6.85	2.98e+03
Fe XX	15.0600	2s $2p^4$ $^4P_{5/2}$ - $2s^2$ $2p^2$ (^{3}P) 3p $^4D_{3/2}$	7.05	2.24e+04
Fe XX	15.0626	2s $2p^4$ $^4P_{3/2}$ - $2s^2$ $2p^2$ (^{3}P) 3p $^4D_{5/2}$	7.05	1.29e+04
Fe XVIII	15.0675	$2s^2$ $2p^5$ $^2P_{1/2}$ - $2s^2$ $2p^4$ (^{1}D) 3p $^2P_{3/2}$	6.95	2.02e+03
Fe XIX	15.0810	$1s^2$ $2s^2$ $2p^4$ $^3P_2$ - $1s^2$ 2s2 $2p^3$ 3s $^5S_2$	7.00	1.39e+05
Fe XIX *	15.0912	$1s^2$ 2s $2p^5$ $^1P_1$ - $1s^2$ 2s $2p^4$ 3s $^1S_0$	7.00	2.01e+03
Fe XVIII *	15.0982	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3p $^2D_{3/2}$	6.95	1.57e+03
Fe XVI s *	15.1025	3p $^2P_{1/2}$ - $2p^5$ 3p 3d $^2P_{1/2}$	6.85	1.64e+03
Fe XVI s *	15.1092	3p $^2P_{1/2}$ - $2p^5$ 3p 3d $^2D_{3/2}$	6.85	7.72e+03
Fe XX *	15.1106	2s $2p^4$ $^2D_{5/2}$ - $2s^2$ $2p^2$ (^{1}D) 3p $^2D_{5/2}$	7.05	3.02e+03
Fe XIX	15.1112	$1s^2$ $2s^2$ $2p^4$ $^1D_2$ - $1s^2$ 2s2 $2p^3$ 3s $^3D_1$	7.00	2.59e+03
Fe XX *	15.1136	2s $2p^4$ $^2D_{3/2}$ - $2s^2$ $2p^2$ (^{1}D) 3p $^2D_{3/2}$	7.05	2.51e+03
Fe XIX	15.1142	$1s^2$ $2s^2$ $2p^4$ $^1D_2$ - $1s^2$ 2s2 $2p^3$ 3s $^3D_2$	7.00	6.54e+03
Fe XX *	15.1176	2s $2p^4$ $^4P_{3/2}$ - $2s^2$ $2p^2$ (^{3}P) 3p $^2S_{1/2}$	7.05	7.13e+03
Fe XXI *	15.1313	2s $2p^3$ $^1P_1$ - $2s^2$ 2p 3p $^3D_1$	7.10	2.70e+03
Fe XVIII *	15.1447	$2s^2$ $2p^5$ $^2P_{1/2}$ - $2s^2$ $2p^4$ (^{1}D) 3p $^2D_{5/2}$	6.95	2.45e+03
Fe XVIII *	15.1566	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3p $^4D_{5/2}$	6.95	6.17e+03
Fe XVI s *	15.1585	3p $^2P_{3/2}$ - $2p^5$ 3p 3d $^2F_{5/2}$	6.85	4.62e+03
Fe XVI s	15.1630	3s $^2S_{1/2}$ - $2p^5$ 3s 3d $^2P_{3/2}$	6.85	8.98e+03
Fe XIX	15.1631	$1s^2$ $2s^2$ $2p^4$ $^3P_0$ - $1s^2$ 2s2 $2p^3$ 3s $^3S_1$	7.00	1.57e+04
Fe XX *	15.1638	2s $2p^4$ $^2D_{3/2}$ - $2s^2$ $2p^2$ (^{1}D) 3p $^2F_{5/2}$	7.05	1.40e+03
Co XVIII	15.1690	$2s^2$ $2p^6$ $^1S_0$ - $2s^2$ $2p^5$ 3s $^3P_1$	6.95	2.56e+03
Fe XIX *	15.1703	$1s^2$ 2s $2p^5$ $^3P_2$ - $1s^2$ $2s^2$ $2p^3$ 3d $^3F_4$	7.00	5.54e+03
Fe XX *	15.1743	2s $2p^4$ $^2D_{5/2}$ - $2s^2$ $2p^2$ (^{1}D) 3p $^2F_{7/2}$	7.05	2.98e+03
Ni XX *	15.1756	2s $2p^6$ $^2S_{1/2}$ - $2s^2$ $2p^4$ (^{3}P) 3p $^4P_{3/2}$	7.05	1.67e+03
O VIII	15.1760	1s $^2S_{1/2}$ - 4p $^2P_{3/2}$	7.05	6.22e+04
O VIII	15.1765	1s $^2S_{1/2}$ - 4p $^2P_{1/2}$	7.05	3.11e+04
Fe XIX	15.1800	$1s^2$ 2s $2p^5$ $^3P_1$ - $1s^2$ 2s $2p^4$ 3s $^3P_0$	7.00	1.22e+04
Fe XVIII *	15.1928	$2s^2$ $2p^5$ $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3p $^2P_{3/2}$	6.95	9.34e+03
Fe XIX	15.1958	$1s^2$ $2s^2$ $2p^4$ $^3P_1$ - $1s^2$ 2s2 $2p^3$ 3s $^3S_1$	7.00	1.84e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XIX	15.2080	$1s^2\ 2s\ 2p^5\ {}^3P_2$ - $1s^2\ 2s\ 2p^4\ 3s\ {}^3P_2$	7.00	1.06e+04
Fe XVI s	15.2114	$3s\ {}^2S_{1/2}$ - $2p^5\ 3s\ 3d\ {}^2P_{1/2}$	6.85	2.91e+04
Fe XX	15.2157	$2s\ 2p^4\ {}^4P_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^4D_{3/2}$	7.05	2.58e+03
Fe XX	15.2241	$2s\ 2p^4\ {}^2S_{1/2}$ - $2s\ 2p^3\ ({}^5S)\ 3s\ {}^4S_{3/2}$	7.05	1.50e+03
Fe XVIII *	15.2285	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3p\ {}^4D_{3/2}$	6.95	4.87e+03
Fe XVIII *	15.2361	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3p\ {}^4D_{1/2}$	6.95	1.41e+03
Fe XVIII *	15.2545	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 3p\ {}^2F_{5/2}$	6.95	9.99e+03
Fe XX *	15.2599	$2s\ 2p^4\ {}^4P_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^4D_{1/2}$	7.05	2.71e+03
Fe XVII	15.2620	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 3d\ {}^3D_1$	6.90	3.13e+05
Fe XVIII	15.2651	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^1S)\ 3s\ {}^2S_{1/2}$	6.95	2.72e+03
Fe XX	15.2665	$2s\ 2p^4\ {}^4P_{1/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^4D_{3/2}$	7.05	4.88e+03
Fe XIX	15.2872	$1s^2\ 2s^2\ 2p^4\ {}^3P_1$ - $1s^2\ 2s2\ 2p^3\ 3s\ {}^5S_2$	7.00	5.11e+03
Mn XX *	15.2976	$2s\ 2p^3\ {}^3D_1$ - $2s^2\ 2p\ 3p\ {}^3P_0$	7.05	1.18e+03
Fe XX *	15.3112	$2s\ 2p^4\ {}^4P_{1/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^4D_{1/2}$	7.05	4.53e+03
Cr XX *	15.3136	$2s\ 2p^2\ {}^2D_{3/2}$ - $2s\ 2p\ 3s\ {}^2P_{1/2}$	7.05	2.22e+03
Fe XVI s	15.3139	$3s\ {}^2S_{1/2}$ - $2p^5\ 3s\ 3d\ {}^2D_{3/2}$	6.85	3.25e+04
Fe XIX *	15.3168	$1s^2\ 2s\ 2p^5\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ {}^3F_4$	7.00	1.52e+03
Fe XIX	15.3297	$1s^2\ 2s\ 2p^5\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3d\ {}^1F_3$	7.00	3.96e+03
Fe XX *	15.3355	$2s\ 2p^4\ {}^2D_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^2D_{5/2}$	7.05	1.18e+03
Fe XVIII *	15.3410	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3p\ {}^2D_{3/2}$	6.95	3.18e+03
Fe XX *	15.3472	$2s\ 2p^4\ {}^2D_{3/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^2P_{3/2}$	7.05	3.05e+03
Fe XIX	15.3524	$1s^2\ 2s\ 2p^5\ {}^3P_1$ - $1s^2\ 2s\ 2p^4\ 3s\ {}^3P_2$	7.00	2.94e+03
Fe XVIII *	15.3680	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3p\ {}^4P_{1/2}$	6.95	2.00e+03
Fe XX *	15.3899	$2s\ 2p^4\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^2P_{3/2}$	7.05	3.93e+03
Fe XX	15.3910	$2s\ 2p^4\ {}^2P_{3/2}$ - $2s^2\ 2p^2\ ({}^1D)\ 3p\ {}^2P_{3/2}$	7.05	1.83e+03
Fe XVIII	15.3967	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3p\ {}^2D_{5/2}$	6.95	2.87e+04
Fe XVIII	15.3981	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3p\ {}^4D_{7/2}$	6.95	2.82e+03
Fe XIX	15.4050	$1s^2\ 2s\ 2p^5\ {}^1P_1$ - $1s^2\ 2s\ 2p^4\ 3s\ {}^1D_2$	7.00	2.26e+03
Co XVIII	15.4371	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 3s\ {}^1P_1$	6.95	3.36e+03
Fe XVIII *	15.4402	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3p\ {}^4P_{3/2}$	6.95	2.57e+03
Fe XVIII	15.4497	$2s\ 2p^6\ {}^2S_{1/2}$ - $2s\ 2p^5\ ({}^1P)\ 3s\ {}^2P_{3/2}$	6.95	2.25e+04
Fe XVII	15.4530	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 3d\ {}^3P_1$	6.90	5.13e+04
Fe XX	15.4612	$2s\ 2p^4\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^4S_{3/2}$	7.05	2.31e+03
Co XVIII *	15.4671	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 3s\ {}^3P_2$	6.95	2.45e+03
Fe XVIII	15.4736	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3p\ {}^4P_{5/2}$	6.95	4.07e+03
Fe XVIII *	15.4756	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3p\ {}^4D_{3/2}$	6.95	1.25e+03
Fe XVIII	15.5079	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^1S)\ 3s\ {}^2S_{1/2}$	6.95	1.04e+04
Fe XX	15.5150	$2s\ 2p^4\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^4D_{7/2}$	7.05	2.43e+04
Fe XVI s	15.5376	$3s\ {}^2S_{1/2}$ - $2p^5\ 3s\ 3d\ {}^2P_{3/2}$	6.85	4.31e+03
Fe XVI s *	15.5613	$3s\ {}^2S_{1/2}$ - $2p^5\ 3s\ 3d\ {}^4P_{3/2}$	6.85	1.59e+03
Fe XVIII	15.6221	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^1D)\ 3s\ {}^2D_{5/2}$	6.95	2.28e+05
Fe XX	15.6258	$2s\ 2p^4\ {}^2P_{1/2}$ - $2s^2\ 2p^2\ ({}^1D)\ 3p\ {}^2P_{3/2}$	7.05	1.68e+03
Fe XIX *	15.6340	$1s^2\ 2s\ 2p^5\ {}^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ {}^3G_5$	7.00	6.65e+03
Fe XVIII	15.6438	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3p\ {}^2D_{5/2}$	6.95	1.23e+03
Fe XX	15.6458	$2s\ 2p^4\ {}^2D_{5/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^4P_{3/2}$	7.05	1.21e+03
Fe XX *	15.6578	$2s\ 2p^4\ {}^2S_{1/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^2P_{1/2}$	7.05	1.58e+03
Fe XX *	15.7176	$2s\ 2p^4\ {}^2S_{1/2}$ - $2s^2\ 2p^2\ ({}^3P)\ 3p\ {}^2P_{3/2}$	7.05	1.34e+03
Fe XVIII	15.7664	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3s\ {}^2P_{1/2}$	6.95	3.30e+04
Fe XIX *	15.7928	$1s^2\ 2s\ 2p^5\ {}^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ {}^3P_2$	7.00	1.47e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XX *	15.8149	$2s\ 2p^4\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{1/2}$	7.05	2.82e+03
Fe XVIII	15.8280	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{3/2}$	6.95	1.43e+05
Fe XX *	15.8437	$2s\ 2p^4\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3p\ ^2P_{3/2}$	7.05	1.16e+04
Fe XVIII	15.8699	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{3/2}$	6.95	8.14e+04
Fe XVIII	15.8700	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{1/2}$	6.95	6.05e+04
Fe XIX *	15.8708	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3D_3$	7.00	3.79e+03
Ar XVI	15.9326	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 5p\ ^2P_{3/2}$	7.10	1.27e+03
Ca XVII *	15.9841	$2s\ 2p\ ^1P_1$ - $2s\ 4d\ ^1D_2$	6.95	2.07e+03
Fe XIX *	15.9871	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3D_2$	7.00	1.96e+03
Fe XX	15.9882	$2s\ 2p^4\ ^2S_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 3p\ ^4P_{3/2}$	7.05	1.21e+03
Fe XIX *	15.9904	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3S_1$	7.00	1.56e+03
Fe XIX *	16.0008	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^1D_2$	7.00	2.23e+03
Fe XVII	16.0038	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3p\ ^1D_2$	6.90	1.50e+04
Fe XVIII	16.0050	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$	6.95	2.53e+05
O VIII	16.0055	$1s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	7.05	1.78e+05
O VIII	16.0067	$1s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	7.05	8.88e+04
Fe XX *	16.0219	$2s\ 2p^4\ ^2P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3p\ ^4P_{5/2}$	7.05	2.63e+03
Fe XVIII	16.0256	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{1/2}$	6.95	3.78e+04
Fe XIX	16.0270	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_0$	7.00	1.35e+04
Fe XIX *	16.0345	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_1$	7.00	2.18e+03
Ti XX	16.0506	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{5/2}$	7.10	1.53e+03
Fe XVIII	16.0720	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$	6.95	3.54e+05
Fe XIX *	16.0836	$1s^2\ 2s\ 2p^5\ ^3P_0$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^1P_1$	7.00	1.65e+03
Fe XVIII	16.0893	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{3/2}$	6.95	1.22e+04
Fe XIX	16.1099	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_2$	7.00	1.90e+05
Fe XIX *	16.1223	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_1$	7.00	7.88e+03
Fe XVIII	16.1326	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{1/2}$	6.95	1.70e+03
Fe XIX *	16.1498	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3D_2$	7.00	4.67e+03
Fe XVIII	16.1657	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^3P)\ 3s\ ^2P_{3/2}$	6.95	1.10e+05
Fe XVIII *	16.1833	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^3P)\ 3s\ ^4P_{1/2}$	6.95	1.26e+03
Fe XX *	16.2084	$2s\ 2p^4\ ^2S_{1/2}$ - $2s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{1/2}$	7.05	1.37e+03
Fe XVII	16.2379	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3p\ ^3P_2$	6.90	1.27e+04
Cr XIX *	16.2432	$2s\ 2p^3\ ^3D_1$ - $2s\ 2p^2\ 3s\ ^3P_0$	7.00	2.20e+03
Fe XIX	16.2721	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_2$	7.00	6.14e+04
Fe XVIII	16.2721	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$	6.95	6.63e+03
Fe XIX	16.2730	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^1F_3$	7.00	7.21e+03
Fe XIX *	16.2935	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3D_1$	7.00	3.03e+03
Fe XVIII	16.3057	$2s\ 2p^6\ ^2S_{1/2}$ - $2s\ 2p^5\ (^3P)\ 3s\ ^4P_{3/2}$	6.95	3.57e+04
Fe XIX *	16.3247	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3F_3$	7.00	1.23e+04
Fe XIX *	16.3356	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3D_2$	7.00	1.06e+04
Fe XVII	16.3356	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3p\ ^3D_2$	6.90	1.99e+04
Fe XIX	16.3400	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3D_3$	7.00	2.56e+04
Fe XIX *	16.3440	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_0$	7.00	6.17e+03
Fe XIX *	16.3491	$1s^2\ 2s\ 2p^5\ ^3P_0$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3D_1$	7.00	1.61e+03
Fe XIX *	16.3787	$1s^2\ 2s\ 2p^5\ ^1P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^1S_0$	7.00	3.31e+03
Fe XIX *	16.3787	$1s^2\ 2s\ 2p^5\ ^1P_1$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^3G_5$	7.00	2.11e+04
Fe XIX *	16.3827	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3F_2$	7.00	1.90e+03
Fe XIX *	16.4455	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^1P_1$	7.00	5.24e+03
Fe XIX *	16.5056	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3D_2$	7.00	3.53e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Mn XVI	16.6160	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3d\ ^1P_1$	6.85	5.96e+03
Fe XIX *	16.6178	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^1P_1$	7.00	2.12e+03
Fe XIX *	16.6603	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_1$	7.00	9.74e+03
Fe XIX *	16.7276	$1s^2\ 2s\ 2p^5\ ^1P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_2$	7.00	2.76e+03
Fe XIX *	16.7477	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^5P_3$	7.00	1.71e+04
Fe XIX *	16.7755	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_2$	7.00	1.38e+04
Fe XVII	16.7756	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3s\ ^3P_1$	6.90	5.89e+05
Fe XIX	16.7881	$1s^2\ 2s\ 2p^5\ ^1P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_0$	7.00	2.31e+03
Fe XIX *	16.8133	$1s^2\ 2s\ 2p^5\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^5P_1$	7.00	5.82e+03
Cr XIX *	16.8784	$2s\ 2p^3\ ^3D_1$ - $2s^2\ 2p\ 3p\ ^3P_0$	7.00	1.49e+03
Mn XVI	16.8819	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3d\ ^3D_1$	6.85	1.42e+03
Fe XIX *	16.9611	$1s^2\ 2s\ 2p^5\ ^1P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^1D_2$	7.00	1.00e+04
Fe XIX *	16.9814	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^5P_2$	7.00	5.69e+03
Fe XIX *	16.9935	$1s^2\ 2s\ 2p^5\ ^3P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^5P_1$	7.00	2.40e+03
Fe XVII	17.0510	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3s\ ^1P_1$	6.90	7.79e+05
Ti XIX	17.0759	$2s\ 2p\ ^1P_1$ - $2s\ 3d\ ^1D_2$	7.00	1.38e+03
Fe XVII	17.0960	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3s\ ^3P_2$	6.90	7.06e+05
Fe XIX *	17.2904	$1s^2\ 2s\ 2p^5\ ^1P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3D_1$	7.00	3.45e+03
Fe XVI s	17.3220	$3s\ ^2S_{1/2}$ - $2p^5\ 3s^2\ ^2P_{3/2}$	6.85	1.46e+03
Fe XVIII *	17.3559	$2s\ 2p^6\ ^2S_{1/2}$ - $2s^2\ 2p^4\ (^1S)\ 3p\ ^2P_{3/2}$	6.95	1.08e+04
Fe XIX *	17.3908	$1s^2\ 2s\ 2p^5\ ^1P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3F_2$	7.00	4.37e+03
O VII	17.3960	$1s^2\ ^1S_0$ - $1s\ 5p\ ^1P_1$	6.85	2.60e+03
Fe XVI s	17.4099	$3p\ ^2P_{3/2}$ - $2p^5\ 3s\ 3p\ ^2S_{1/2}$	6.85	2.08e+03
Fe XVI s *	17.4532	$3p\ ^2P_{3/2}$ - $2p^5\ 3s\ 3p\ ^4D_{7/2}$	6.85	4.21e+03
Fe XIX *	17.4617	$1s^2\ 2s\ 2p^5\ ^1P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^1P_1$	7.00	2.19e+03
Fe XVI s	17.4991	$3d\ ^2D_{5/2}$ - $2p^5\ 3s\ 3d\ ^4P_{5/2}$	6.85	1.29e+03
Fe XVIII *	17.5488	$2s\ 2p^6\ ^2S_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2P_{1/2}$	6.95	5.90e+03
Fe XVI s *	17.5580	$3p\ ^2P_{3/2}$ - $2p^5\ 3s\ 3p\ ^4S_{3/2}$	6.85	2.20e+03
Fe XVI s	17.5937	$3p\ ^2P_{3/2}$ - $2p^5\ 3s\ 3p\ ^4D_{5/2}$	6.85	1.33e+03
Fe XIX *	17.6093	$1s^2\ 2s\ 2p^5\ ^1P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_0$	7.00	1.17e+03
Fe XVIII	17.6218	$2s\ 2p^6\ ^2S_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2P_{3/2}$	6.95	2.31e+05
Fe XIX *	17.6359	$1s^2\ 2s\ 2p^5\ ^1P_1$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_2$	7.00	4.83e+03
Ar XVI	17.7371	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{3/2}$	7.10	3.55e+03
Ar XVI	17.7469	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{1/2}$	7.10	1.79e+03
O VII	17.7680	$1s^2\ ^1S_0$ - $1s\ 4p\ ^1P_1$	6.85	4.87e+03
Fe XVIII *	17.8033	$2s\ 2p^6\ ^2S_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2D_{3/2}$	6.95	9.98e+03
Fe XVIII *	18.0357	$2s\ 2p^6\ ^2S_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2D_{3/2}$	6.95	5.37e+03
Fe XVIII *	18.1070	$2s\ 2p^6\ ^2S_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4S_{3/2}$	6.95	1.84e+04
Fe XVIII *	18.2205	$2s\ 2p^6\ ^2S_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2P_{1/2}$	6.95	5.93e+03
Fe XVIII *	18.4222	$2s\ 2p^6\ ^2S_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{1/2}$	6.95	6.70e+03
Cr XV	18.4969	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3d\ ^1P_1$	6.80	5.00e+03
Fe XVIII *	18.5259	$2s\ 2p^6\ ^2S_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{3/2}$	6.95	1.48e+04
Ar XVI	18.5463	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 4d\ ^2D_{3/2}$	7.10	1.73e+03
O VII	18.6270	$1s^2\ ^1S_0$ - $1s\ 3p\ ^1P_1$	6.85	1.28e+04
Ar XVI	18.6324	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 4d\ ^2D_{5/2}$	7.10	3.16e+03
Mn XVI	18.6539	$2s^2\ 2p^6\ ^1S_0$ - $2s^2\ 2p^5\ 3s\ ^3P_1$	6.85	3.05e+03
Ca XVIII	18.6909	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{3/2}$	7.10	2.45e+04
Ca XVIII	18.7319	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{1/2}$	7.10	1.28e+04
Ar XVI	18.7861	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.10	1.29e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Mn XVI	18.9351	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 3s\ {}^1P_1$	6.85	3.74e+03
O VIII	18.9671	$1s\ {}^2S_{1/2}$ - $2p\ {}^2P_{3/2}$	7.05	1.02e+06
O VIII	18.9725	$1s\ {}^2S_{1/2}$ - $2p\ {}^2P_{1/2}$	7.05	5.10e+05
Mn XVI	18.9863	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 3s\ {}^3P_2$	6.85	2.91e+03
N VII	19.3612	$1s\ {}^2S_{1/2}$ - $5p\ {}^2P_{3/2}$	7.05	1.88e+03
O VII s *	19.3963	$1s\ 2p\ {}^1P_1$ - $2p^2\ {}^1D_2$	6.90	1.32e+03
Ca XVII	19.5580	$2s^2\ {}^1S_0$ - $2s\ 3p\ {}^1P_1$	6.95	7.19e+03
Ca XVII	19.5580	$2s^2\ {}^1S_0$ - $2s\ 3p\ {}^3P_1$	6.95	5.90e+03
Ca XVIII *	19.6420	$1s^2\ 2p\ {}^2P_{1/2}$ - $1s^2\ 3d\ {}^2D_{3/2}$	7.10	1.76e+04
Ca XVIII *	19.7891	$1s^2\ 2p\ {}^2P_{3/2}$ - $1s^2\ 3d\ {}^2D_{5/2}$	7.10	3.17e+04
Ca XVIII *	19.8009	$1s^2\ 2p\ {}^2P_{3/2}$ - $1s^2\ 3d\ {}^2D_{3/2}$	7.10	3.41e+03
N VII	19.8257	$1s\ {}^2S_{1/2}$ - $4p\ {}^2P_{3/2}$	7.05	4.06e+03
N VII	19.8261	$1s\ {}^2S_{1/2}$ - $4p\ {}^2P_{1/2}$	7.05	2.03e+03
Ca XVIII *	20.0532	$1s^2\ 2p\ {}^2P_{1/2}$ - $1s^2\ 3s\ {}^2S_{1/2}$	7.10	7.28e+03
Ca XVIII *	20.2188	$1s^2\ 2p\ {}^2P_{3/2}$ - $1s^2\ 3s\ {}^2S_{1/2}$	7.10	1.41e+04
Ca XVII	20.4340	$2s\ 2p\ {}^3P_2$ - $2s\ 3d\ {}^3D_3$	6.90	1.72e+03
S XIV *	20.6766	$1s^2\ 2s\ {}^2S_{1/2}$ - $1s^2\ 5p\ {}^2P_{3/2}$	7.05	3.42e+03
S XIV *	20.6815	$1s^2\ 2s\ {}^2S_{1/2}$ - $1s^2\ 5p\ {}^2P_{1/2}$	7.05	1.73e+03
Cr XV	20.8629	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 3s\ {}^3P_1$	6.80	2.72e+03
N VII	20.9095	$1s\ {}^2S_{1/2}$ - $3p\ {}^2P_{3/2}$	7.05	1.18e+04
N VII	20.9106	$1s\ {}^2S_{1/2}$ - $3p\ {}^2P_{1/2}$	7.05	5.93e+03
Cr XV	21.1528	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 3s\ {}^1P_1$	6.80	3.13e+03
Ca XVII	21.1560	$2s\ 2p\ {}^1P_1$ - $2s\ 3d\ {}^1D_2$	6.90	1.63e+04
Cr XV	21.2121	$2s^2\ 2p^6\ {}^1S_0$ - $2s^2\ 2p^5\ 3s\ {}^3P_2$	6.80	2.51e+03
Fe XXIV	21.3716	$1s^2\ 3s\ {}^2S_{1/2}$ - $1s^2\ 5p\ {}^2P_{3/2}$	7.30	3.44e+03
Fe XXIV	21.4092	$1s^2\ 3s\ {}^2S_{1/2}$ - $1s^2\ 5p\ {}^2P_{1/2}$	7.30	1.72e+03
Ca XVI	21.4500	$2s^2\ 2p\ {}^2P_{1/2}$ - $2s^2\ 3d\ {}^2D_{3/2}$	6.80	6.95e+03
O VII	21.6015	$1s^2\ {}^1S_0$ - $1s\ 2p\ {}^1P_1$	6.85	6.94e+04
Ca XVI	21.6194	$2s^2\ 2p\ {}^2P_{3/2}$ - $2s^2\ 3d\ {}^2D_{3/2}$	6.80	1.36e+03
S XIV	21.6602	$1s^2\ 2p\ {}^2P_{1/2}$ - $1s^2\ 5d\ {}^2D_{3/2}$	7.05	1.46e+03
S XIV	21.7297	$1s^2\ 2p\ {}^2P_{3/2}$ - $1s^2\ 5d\ {}^2D_{5/2}$	7.05	2.72e+03
O VII	21.8036	$1s^2\ {}^1S_0$ - $1s\ 2p\ {}^3P_1$	6.45	8.69e+03
Fe XXIV	21.8231	$1s^2\ 3p\ {}^2P_{1/2}$ - $1s^2\ 5d\ {}^2D_{3/2}$	7.30	1.68e+03
Fe XXIV	21.9867	$1s^2\ 3p\ {}^2P_{3/2}$ - $1s^2\ 5d\ {}^2D_{5/2}$	7.30	1.58e+03
O VII	22.0977	$1s^2\ {}^1S_0$ - $1s\ 2s\ {}^3S_1$	6.45	3.37e+04
Ca XVI	22.1211	$2s\ 2p^2\ {}^2D_{3/2}$ - $2s\ 2p\ 3d\ {}^2F_{5/2}$	6.80	1.47e+03
Ca XVII *	22.1597	$2s\ 2p\ {}^1P_1$ - $2s\ 3s\ {}^1S_0$	6.90	9.16e+03
K XVII	22.1632	$2p\ {}^2P_{3/2}$ - $3d\ {}^2D_{5/2}$	7.10	1.17e+03
Fe XXIV	22.1811	$1s^2\ 3p\ {}^2P_{3/2}$ - $1s^2\ 5s\ {}^2S_{1/2}$	7.30	2.35e+03
Fe XXIV	22.1974	$1s^2\ 3d\ {}^2D_{3/2}$ - $1s^2\ 5f\ {}^2F_{5/2}$	7.30	7.61e+03
Ar XVII	22.2296	$1s\ 2p\ {}^3P_2$ - $1s\ 3p\ {}^1P_1$	7.35	2.68e+03
Fe XXIV	22.2582	$1s^2\ 3d\ {}^2D_{5/2}$ - $1s^2\ 5f\ {}^2F_{7/2}$	7.30	5.38e+03
Fe XXIII	22.6860	$2s\ 3s\ {}^1S_0$ - $2s\ 5p\ {}^1P_1$	7.20	1.41e+03
Ca XV	22.7299	$2s^2\ 2p^2\ {}^3P_0$ - $2s^2\ 2p\ 3d\ {}^3D_1$	6.75	6.20e+03
Ca XV	22.8209	$2s^2\ 2p^2\ {}^3P_1$ - $2s^2\ 2p\ 3d\ {}^3D_1$	6.75	1.46e+03
S XIV	23.0051	$1s^2\ 2s\ {}^2S_{1/2}$ - $1s^2\ 4p\ {}^2P_{3/2}$	7.05	9.40e+03
S XIV	23.0151	$1s^2\ 2s\ {}^2S_{1/2}$ - $1s^2\ 4p\ {}^2P_{1/2}$	7.05	4.76e+03
Fe XXIII	23.0924	$2s\ 3p\ {}^1P_1$ - $2s\ 5d\ {}^1D_2$	7.15	1.93e+03
Ar XVI	23.5063	$1s^2\ 2s\ {}^2S_{1/2}$ - $1s^2\ 3p\ {}^2P_{3/2}$	7.10	1.85e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ca XVI *	23.5207	2s $2p^2$ $^2D_{3/2}$ - 2s 2p 3s $^2P_{1/2}$	6.80	2.20e+03
Fe XXIII	23.5355	2s 3p $^1P_1$ - 2s 5s $^1S_0$	7.15	1.64e+03
Ar XVI	23.5463	$1s^2$ 2s $^2S_{1/2}$ - $1s^2$ 3p $^2P_{1/2}$	7.10	9.31e+03
Fe XXII *	23.7634	$1s^2$ 2s2 3s $^2S_{1/2}$ - $1s^2$ $2s^2$ 5p $^2P_{1/2}$	7.10	2.23e+03
Ca XIV	24.0859	$2s^2$ $2p^3$ $^4S_{3/2}$ - $2s^2$ $2p^2$ 3d $^4P_{3/2}$	6.70	1.90e+03
Ca XIV	24.1330	$2s^2$ $2p^3$ $^4S_{3/2}$ - $2s^2$ $2p^2$ 3d $^4P_{5/2}$	6.70	2.53e+03
Fe XXIII *	24.1492	2s 3d $^1D_2$ - 2s 5f $^1F_3$	7.15	4.66e+03
S XIV	24.2002	$1s^2$ 2p $^2P_{1/2}$ - $1s^2$ 4d $^2D_{3/2}$	7.05	4.47e+03
S XIV	24.2849	$1s^2$ 2p $^2P_{3/2}$ - $1s^2$ 4d $^2D_{5/2}$	7.05	8.12e+03
S XIV	24.4180	$1s^2$ 2p $^2P_{1/2}$ - $1s^2$ 4s $^2S_{1/2}$	7.05	1.67e+03
S XIV	24.5082	$1s^2$ 2p $^2P_{3/2}$ - $1s^2$ 4s $^2S_{1/2}$	7.05	3.28e+03
Ar XV *	24.7002	$2s^2$ $^1S_0$ - 2s 3p $^3P_1$	6.90	1.74e+03
Ar XV	24.7366	$2s^2$ $^1S_0$ - 2s 3p $^1P_1$	6.90	3.55e+03
N VII	24.7792	1s $^2S_{1/2}$ - 2p $^2P_{3/2}$	7.05	7.03e+04
N VII	24.7846	1s $^2S_{1/2}$ - 2p $^2P_{1/2}$	7.05	3.51e+04
Ar XVI	24.8509	$1s^2$ 2p $^2P_{1/2}$ - $1s^2$ 3d $^2D_{3/2}$	7.05	1.17e+04
Ar XVI	24.9940	$1s^2$ 2p $^2P_{3/2}$ - $1s^2$ 3d $^2D_{5/2}$	7.05	2.12e+04
Ar XVI	25.0098	$1s^2$ 2p $^2P_{3/2}$ - $1s^2$ 3d $^2D_{3/2}$	7.05	2.28e+03
Fe XXI *	25.0343	$2s^2$ 2p 3s $^3P_1$ - $2s^2$ 2p 5p $^3P_0$	7.10	2.72e+03
Ca XV *	25.3289	2s $2p^3$ $^3D_1$ - 2s $2p^2$ 3s $^3P_0$	6.75	1.35e+03
Ar XVI	25.5167	$1s^2$ 2p $^2P_{1/2}$ - $1s^2$ 3s $^2S_{1/2}$	7.05	5.18e+03
S XVI	25.6594	2p $^2P_{3/2}$ - 3s $^2S_{1/2}$	7.35	1.35e+03
Ar XVI	25.6843	$1s^2$ 2p $^2P_{3/2}$ - $1s^2$ 3s $^2S_{1/2}$	7.05	1.01e+04
Fe XXII *	25.7763	$1s^2$ $2s^2$ 3d $^2D_{3/2}$ - $1s^2$ $2s^2$ 5f $^2F_{5/2}$	7.15	1.71e+03
Fe XXI *	25.8601	$2s^2$ 2p 3p $^3D_1$ - $2s^2$ 2p 5d $^3D_1$	7.10	1.30e+03
C VI	26.3572	1s $^2S_{1/2}$ - 5p $^2P_{3/2}$	7.05	3.22e+03
C VI	26.3574	1s $^2S_{1/2}$ - 5p $^2P_{1/2}$	7.05	1.61e+03
Cl XV	26.6361	2s $^2S_{1/2}$ - 3p $^2P_{3/2}$	7.10	1.52e+03
Fe XXI	26.6733	$2s^2$ 2p 3p $^3P_0$ - $2s^2$ 2p 5d $^3D_1$	7.10	2.08e+03
C VI	26.9896	1s $^2S_{1/2}$ - 4p $^2P_{3/2}$	7.05	6.84e+03
C VI	26.9901	1s $^2S_{1/2}$ - 4p $^2P_{1/2}$	7.05	3.42e+03
Ar XV	27.0440	2s 2p $^1P_1$ - 2s 3d $^1D_2$	6.85	6.52e+03
Si XIII	27.3428	1s 2s $^3S_1$ - 1s 4p $^3P_2$	7.10	1.92e+03
Fe XVII *	27.4127	$2s^2$ $2p^5$ 3s $^1P_1$ - $2s^2$ $2p^5$ 7p $^1S_0$	6.90	1.28e+03
Ar XIV	27.4690	$2s^2$ 2p $^2P_{1/2}$ - $2s^2$ 3d $^2D_{3/2}$	6.65	2.01e+03
S XV	27.5306	1s 2s $^3S_1$ - 1s 3p $^3P_2$	7.15	3.21e+03
S XV	27.5600	1s 2s $^3S_1$ - 1s 3p $^3P_1$	7.15	1.76e+03
Si XII *	27.8948	$1s^2$ 2s $^2S_{1/2}$ - $1s^2$ 5p $^2P_{3/2}$	7.00	3.15e+03
Si XII *	27.8997	$1s^2$ 2s $^2S_{1/2}$ - $1s^2$ 5p $^2P_{1/2}$	7.00	1.59e+03
Ar XV	28.3400	2s 2p $^1P_1$ - 2s 3s $^1S_0$	6.85	3.72e+03
Cl XV	28.4031	2p $^2P_{3/2}$ - 3d $^2D_{5/2}$	7.05	1.79e+03
C VI	28.4652	1s $^2S_{1/2}$ - 3p $^2P_{3/2}$	7.05	1.93e+04
C VI	28.4663	1s $^2S_{1/2}$ - 3p $^2P_{1/2}$	7.05	9.67e+03
N VI	28.7870	$1s^2$ $^1S_0$ - 1s 2p $^1P_1$	6.30	2.29e+03
Fe XVII *	29.4373	$2s^2$ $2p^5$ 3s $^1P_1$ - $2s^2$ $2p^5$ 6p $^1S_0$	6.90	2.11e+03
Si XII	29.4391	$1s^2$ 2p $^2P_{1/2}$ - $1s^2$ 5d $^2D_{3/2}$	7.00	1.32e+03
Si XII	29.5089	$1s^2$ 2p $^2P_{3/2}$ - $1s^2$ 5d $^2D_{5/2}$	7.00	2.45e+03
S XV	29.5449	1s 2p $^1P_1$ - 1s 3s $^1S_0$	7.15	2.13e+03
S XIV	30.4270	$1s^2$ 2s $^2S_{1/2}$ - $1s^2$ 3p $^2P_{3/2}$	7.05	4.75e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
S XIV	30.4690	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{1/2}$	7.05	2.38e+04
Fe XXIV	30.7465	$1s^2\ 3s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{3/2}$	7.30	7.07e+03
Fe XXIV	30.8985	$1s^2\ 3s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{1/2}$	7.30	3.67e+03
Si XII	31.0121	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{3/2}$	7.00	8.45e+03
Si XII	31.0227	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{1/2}$	7.00	4.30e+03
Fe XIX *	31.2372	$1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ (^4S)\ 5d\ ^3D_3$	7.00	1.26e+03
Fe XVIII *	31.4007	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 5p\ ^2P_{3/2}$	6.95	3.68e+03
Fe XVIII *	31.5931	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 5p\ ^2D_{3/2}$	6.95	1.63e+03
Fe XXIV	31.6356	$1s^2\ 3p\ ^2P_{1/2}$ - $1s^2\ 4d\ ^2D_{3/2}$	7.25	4.18e+03
Fe XXIII *	31.9318	$2s\ 3s\ ^3S_1$ - $2s\ 4p\ ^3P_2$	7.15	2.50e+03
Fe XXIV	31.9683	$1s^2\ 3p\ ^2P_{3/2}$ - $1s^2\ 4d\ ^2D_{5/2}$	7.25	7.14e+03
Fe XXIII	32.1203	$2s\ 3s\ ^3S_1$ - $2s\ 4p\ ^3P_1$	7.15	2.54e+03
S XIII	32.1910	$2s^2\ ^1S_0$ - $2s\ 3p\ ^3P_1$	6.95	1.22e+03
S XIII	32.2420	$2s^2\ ^1S_0$ - $2s\ 3p\ ^1P_1$	6.95	5.21e+03
Fe XXIV	32.3771	$1s^2\ 3d\ ^2D_{3/2}$ - $1s^2\ 4f\ ^2F_{5/2}$	7.25	9.02e+03
Fe XXIV	32.4023	$1s^2\ 3p\ ^2P_{1/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.30	2.95e+03
S XIV	32.4160	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	7.05	2.92e+04
Fe XXIV	32.4781	$1s^2\ 3d\ ^2D_{5/2}$ - $1s^2\ 4f\ ^2F_{7/2}$	7.25	1.29e+04
S XIV	32.5600	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{5/2}$	7.05	5.24e+04
S XIV	32.5751	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	7.05	5.74e+03
Fe XXIII	32.5871	$2s\ 3s\ ^1S_0$ - $2s\ 4p\ ^1P_1$	7.15	3.05e+03
Fe XXIV	32.8159	$1s^2\ 3p\ ^2P_{3/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.30	6.28e+03
Si XII	32.8878	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 4d\ ^2D_{3/2}$	7.00	3.89e+03
Si XII	32.9732	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 4d\ ^2D_{5/2}$	7.00	7.13e+03
Fe XXIII	33.0913	$2s\ 3p\ ^3P_1$ - $2s\ 4d\ ^1D_2$	7.15	2.10e+03
Si XII *	33.2263	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.00	1.42e+03
Si XIV	33.3023	$2p\ ^2P_{1/2}$ - $3d\ ^2D_{3/2}$	7.15	1.28e+03
Si XIV	33.3081	$2s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	7.15	2.28e+03
Si XII *	33.3167	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.00	2.81e+03
Si XIV	33.3470	$2p\ ^2P_{1/2}$ - $3s\ ^2S_{1/2}$	7.15	1.68e+03
S XIV	33.3808	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	7.05	1.29e+04
Fe XXIII	33.4392	$2s\ 3p\ ^1P_1$ - $2s\ 4d\ ^1D_2$	7.15	5.03e+03
Si XIV	33.4444	$2p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	7.15	2.29e+03
Si XIV	33.5051	$2p\ ^2P_{3/2}$ - $3s\ ^2S_{1/2}$	7.15	3.31e+03
S XIV	33.5495	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	7.05	2.52e+04
Fe XVII *	33.6894	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 5p\ ^1S_0$	6.90	3.61e+03
C VI	33.7342	$1s\ ^2S_{1/2}$ - $2p\ ^2P_{3/2}$	7.05	1.09e+05
C VI	33.7396	$1s\ ^2S_{1/2}$ - $2p\ ^2P_{1/2}$	7.05	5.44e+04
Fe XXII *	33.7421	$1s^2\ 2s2\ 3s\ ^2S_{1/2}$ - $1s^2\ 2s^2\ 4p\ ^2P_{3/2}$	7.10	2.49e+03
Fe XVII *	33.7424	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 5p\ ^3P_0$	6.90	2.35e+03
Fe XXII *	33.9156	$1s^2\ 2s2\ 3s\ ^2S_{1/2}$ - $1s^2\ 2s^2\ 4p\ ^2P_{1/2}$	7.10	5.33e+03
Fe XXIII	34.4265	$2s\ 3p\ ^3P_1$ - $2s\ 4s\ ^1S_0$	7.15	3.19e+03
Fe XXIII *	34.4367	$2s\ 3d\ ^3D_1$ - $2s\ 4f\ ^3F_2$	7.15	1.33e+03
Fe XXIII *	34.4868	$2s\ 3d\ ^3D_2$ - $2s\ 4f\ ^3F_3$	7.15	2.24e+03
Fe XXIII *	34.5630	$2s\ 3d\ ^3D_3$ - $2s\ 4f\ ^3F_4$	7.15	2.63e+03
Fe XXIII	34.8032	$2s\ 3p\ ^1P_1$ - $2s\ 4s\ ^1S_0$	7.15	5.60e+03
Fe XVI	35.1059	$3p\ ^2P_{3/2}$ - $6d\ ^2D_{5/2}$	6.80	1.40e+03
Fe XXII *	35.1376	$1s^2\ 2s^2\ 3p\ ^2P_{1/2}$ - $1s^2\ 2s^2\ 4d\ ^2D_{3/2}$	7.10	6.00e+03
Fe XXII *	35.1916	$1s^2\ 2s\ 2p\ (^3P)\ 3p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p\ (^3P)\ 4d\ ^2D_{3/2}$	7.10	1.18e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXIII *	35.2742	2s 3d $^1D_2$ - 2s 4f $^1F_3$	7.15	1.16e+04
Fe XXII	35.4862	$1s^2$ 2s 2p (^{3}P) 3p $^2D_{3/2}$ - $1s^2$ 2s 2p (^{3}P) 4d $^2F_{5/2}$	7.15	1.48e+03
Fe XXI *	35.5828	$2s^2$ 2p 3s $^3P_0$ - $2s^2$ 2p 4p $^3P_1$	7.10	1.28e+03
Fe XXI *	35.6312	$2s^2$ 2p 3s $^3P_1$ - $2s^2$ 2p 4p $^3P_0$	7.10	1.09e+04
S XIII	35.6669	2s 2p $^1P_1$ - 2s 3d $^1D_2$	6.95	7.79e+03
Fe XXI *	35.6758	$2s^2$ 2p 3s $^3P_1$ - $2s^2$ 2p 4p $^3D_2$	7.10	3.18e+03
Fe XXII *	35.7354	$1s^2$ $2p^2$ (^{1}D) 3p $^2F_{7/2}$ - $1s^2$ $2p^2$ (^{1}D) 4d $^2G_{9/2}$	7.10	1.59e+03
Fe XXI *	35.9976	$2s^2$ 2p 3s $^3P_1$ - $2s^2$ 2p 4p $^3D_1$	7.10	1.20e+03
S XII	36.3980	$2s^2$ 2p $^2P_{1/2}$ - $2s^2$ 3d $^2D_{3/2}$	6.45	1.83e+03
Si XIII	36.4362	1s 2s $^3S_1$ - 1s 3p $^3P_2$	7.10	5.43e+03
Si XIII	36.4643	1s 2s $^3S_1$ - 1s 3p $^3P_1$	7.10	3.12e+03
Fe XVII *	36.5014	$2s^2$ $2p^5$ 3p $^3D_3$ - $2s^2$ $2p^5$ 5d $^3F_4$	6.90	1.53e+03
Fe XXI *	36.7272	$2s^2$ 2p 3p $^3D_1$ - $2s^2$ 2p 4d $^3D_1$	7.10	2.67e+03
Fe XVI	36.7490	3s $^2S_{1/2}$ - 5p $^2P_{3/2}$	6.85	2.32e+03
Fe XVI	36.8030	3s $^2S_{1/2}$ - 5p $^2P_{1/2}$	6.85	1.18e+03
Fe XVII *	36.8329	2s $2p^6$ 3p $^1P_1$ - 2s $2p^6$ 5d $^1D_2$	6.90	1.67e+03
Fe XXI *	37.0300	$2s^2$ 2p 3p $^3D_1$ - $2s^2$ 2p 4d $^3F_2$	7.10	1.53e+03
Fe XXII *	37.0760	$1s^2$ 2s 2p (^{3}P) 3p $^2P_{1/2}$ - $1s^2$ 2s 2p (^{3}P) 4s $^2P_{1/2}$	7.10	1.31e+03
Fe XXII *	37.1066	$1s^2$ 2s 2p (^{3}P) 3d $^4F_{7/2}$ - $1s^2$ 2s 2p (^{3}P) 4f $^4G_{9/2}$	7.10	1.39e+03
Fe XXII *	37.3252	$1s^2$ $2s^2$ 3d $^2D_{3/2}$ - $1s^2$ $2s^2$ 4f $^2F_{5/2}$	7.15	3.65e+03
Fe XXII *	37.4221	$1s^2$ $2s^2$ 3d $^2D_{5/2}$ - $1s^2$ $2s^2$ 4f $^2F_{7/2}$	7.10	1.44e+03
Fe XXII *	37.7069	$1s^2$ 2s 2p (^{3}P) 3p $^2D_{3/2}$ - $1s^2$ 2s 2p (^{3}P) 4s $^2P_{1/2}$	7.10	1.82e+03
S XIII *	37.7246	2s 2p $^1P_1$ - 2s 3s $^1S_0$	6.90	4.47e+03
Si XIII	37.8796	1s 2p $^3P_2$ - 1s 3d $^3D_3$	7.10	1.80e+03
Fe XXI	37.9004	$2s^2$ 2p 3p $^3P_0$ - $2s^2$ 2p 4d $^3D_1$	7.10	4.47e+03
Ni XIX *	38.0086	$2s^2$ $2p^5$ 3s $^3P_1$ - $2s^2$ $2p^5$ 4p $^1S_0$	7.00	1.27e+03
Si XIII	38.6425	1s 2p $^3P_2$ - 1s 3s $^3S_1$	7.10	1.80e+03
Si XIII	39.1029	1s 2p $^1P_1$ - 1s 3d $^1D_2$	7.10	2.20e+03
Si XIII	39.4180	1s 2p $^1P_1$ - 1s 3s $^1S_0$	7.10	3.61e+03
Fe XVI	39.8271	3p $^2P_{1/2}$ - 5d $^2D_{3/2}$	6.80	2.01e+03
Fe XVI	40.1531	3p $^2P_{3/2}$ - 5d $^2D_{5/2}$	6.80	3.62e+03
C V	40.2674	$1s^2$ $^1S_0$ - 1s 2p $^1P_1$	6.00	2.39e+03
Fe XIX *	40.3842	$1s^2$ 2s2 $2p^3$ 3s $^5S_2$ - $1s^2$ $2s^2$ $2p^3$ 4p $^5P_3$	7.00	1.46e+03
Fe XIX *	40.3904	$1s^2$ 2s2 $2p^3$ 3s $^3D_3$ - $1s^2$ $2s^2$ $2p^3$ 4p $^3P_2$	7.00	6.92e+03
Fe XIX *	40.5569	$1s^2$ 2s2 $2p^3$ 3s $^3D_2$ - $1s^2$ $2s^2$ $2p^3$ 4p $^3D_2$	7.00	1.96e+03
Fe XXI *	40.6910	$2s^2$ 2p 3d $^3D_1$ - $2s^2$ 2p 4f $^3F_2$	7.10	3.78e+03
Fe XXI	40.7660	2s $2p^2$ 3p $^5P_1$ - 2s $2p^2$ 4s $^3P_0$	7.10	1.45e+03
Fe XIX *	40.8680	$1s^2$ 2s2 $2p^3$ 3s $^3S_1$ - $1s^2$ $2s^2$ $2p^3$ 4p $^3P_2$	7.00	5.81e+03
Si XII	40.9110	$1s^2$ 2s $^2S_{1/2}$ - $1s^2$ 3p $^2P_{3/2}$	7.00	4.08e+04
Si XII	40.9510	$1s^2$ 2s $^2S_{1/2}$ - $1s^2$ 3p $^2P_{1/2}$	7.00	2.04e+04
Ni XVIII	41.0155	3s $^2S_{1/2}$ - 4p $^2P_{3/2}$	6.90	2.00e+03
Fe XXI *	41.2834	2s $2p^2$ 3d $^3P_2$ - 2s $2p^2$ 4f $^3G_3$	7.10	2.71e+03
Fe XVI	41.9321	3p $^2P_{1/2}$ - 5s $^2S_{1/2}$	6.80	1.40e+03
Fe XVI	42.3037	3p $^2P_{3/2}$ - 5s $^2S_{1/2}$	6.80	3.00e+03
Fe XXI *	42.8609	$2s^2$ 2p 3d $^3D_1$ - $2s^2$ 2p 4p $^3P_0$	7.10	1.52e+03
Fe XIX *	42.9761	$1s^2$ $2s^2$ $2p^3$ 3p $^5P_3$ - $1s^2$ $2s^2$ $2p^3$ 4d $^5D_4$	7.00	2.03e+03
Fe XVIII *	43.2555	$2s^2$ $2p^4$ (^{3}P) 3s $^2P_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 4p $^2P_{3/2}$	6.95	6.49e+03
Fe XVIII *	43.2759	$2s^2$ $2p^4$ (^{3}P) 3s $^4P_{5/2}$ - $2s^2$ $2p^4$ (^{3}P) 4p $^4D_{7/2}$	6.95	1.74e+03
Fe XVIII *	43.2947	$2s^2$ $2p^4$ (^{1}D) 3s $^2D_{5/2}$ - $2s^2$ $2p^4$ (^{1}D) 4p $^2P_{3/2}$	6.95	6.43e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XVIII *	43.3372	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^4D_{3/2}$	6.95	1.81e+03
Fe XIX *	43.3447	$1s^2\ 2s^2\ 2p^3\ 3p\ ^3P_2$ - $1s^2\ 2s^2\ 2p^3\ 4d\ ^3D_3$	7.00	2.59e+03
Fe XVIII *	43.3620	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^4S_{3/2}$	6.95	2.37e+03
Fe XVIII *	43.3655	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 4p\ ^2P_{3/2}$	6.95	1.79e+03
Fe XVIII *	43.4651	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^4P_{5/2}$	6.95	1.49e+03
Fe XVIII *	43.4966	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^1D)\ 4p\ ^2F_{7/2}$	6.95	1.22e+03
Fe XIX *	43.7107	$1s^2\ 2s\ 2p^4\ 3p\ ^3D_3$ - $1s^2\ 2s\ 2p^4\ (^4P)\ 4d\ ^3F_4$	7.00	2.66e+03
Si XI	43.7623	$2s^2\ ^1S_0$ - $2s\ 3p\ ^1P_1$	6.90	2.63e+03
Fe XVIII *	43.7793	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^2D_{3/2}$	6.95	3.22e+03
Fe XVIII *	43.7878	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^2D_{5/2}$	6.95	1.56e+03
Ni XVIII	43.8127	$3p\ ^2P_{1/2}$ - $4d\ ^2D_{3/2}$	6.90	1.35e+03
Si XII *	44.0186	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	7.00	2.41e+04
Mg X	44.0500	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{3/2}$	6.90	1.27e+03
Mg X	44.0500	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{1/2}$	6.90	1.92e+03
Si XII *	44.1603	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{5/2}$	7.00	4.36e+04
Si XII *	44.1775	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	7.00	4.74e+03
Ni XVIII	44.3653	$3p\ ^2P_{3/2}$ - $4d\ ^2D_{5/2}$	6.90	2.43e+03
Mg XII	45.3972	$2s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	7.10	2.07e+03
Mg XII	45.4355	$2p\ ^2P_{1/2}$ - $3s\ ^2S_{1/2}$	7.10	1.54e+03
Si XII	45.5206	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	7.00	1.07e+04
Mg XII	45.5330	$2p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	7.10	1.88e+03
Mg XII	45.5935	$2p\ ^2P_{3/2}$ - $3s\ ^2S_{1/2}$	7.10	3.04e+03
Si XII	45.6906	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	7.00	2.11e+04
Fe XVIII *	45.9075	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^4D_{7/2}$	6.95	1.53e+03
Fe XVIII *	45.9102	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^4D_{5/2}$	6.95	1.16e+03
Fe XV *	46.2866	$3s\ 3p\ ^1P_1$ - $3s\ 5s\ ^1S_0$	6.70	1.22e+03
Fe XVII	46.3000	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 4p\ ^3P_0$	6.90	7.13e+03
Fe XVII	46.3067	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 4p\ ^1S_0$	6.90	1.11e+04
Fe XVII *	46.3798	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 4p\ ^3P_2$	6.90	1.18e+03
Fe XVIII *	46.3977	$2s^2\ 2p^4\ (^3P)\ 3p\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^2F_{7/2}$	6.95	1.68e+03
Fe XVII	46.4000	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 4p\ ^3D_3$	6.90	3.14e+03
Fe XVIII *	46.4507	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{7/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^4F_{9/2}$	6.95	2.13e+03
Fe XVIII *	46.4529	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^4F_{7/2}$	6.95	1.17e+03
Fe XVIII *	46.4719	$2s^2\ 2p^4\ (^1D)\ 3p\ ^2F_{7/2}$ - $2s^2\ 2p^4\ (^1D)\ 4d\ ^2G_{9/2}$	6.95	1.26e+03
Fe XVIII *	46.6164	$2s^2\ 2p^4\ (^1S)\ 3p\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1S)\ 4d\ ^2D_{5/2}$	6.95	1.17e+03
Fe XVII *	46.6534	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 4p\ ^3D_2$	6.90	1.17e+03
Fe XVI	46.6614	$3d\ ^2D_{3/2}$ - $5f\ ^2F_{5/2}$	6.80	2.02e+03
Fe XVII *	46.6755	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 4p\ ^1D_2$	6.90	2.36e+03
Fe XVI	46.7182	$3d\ ^2D_{5/2}$ - $5f\ ^2F_{7/2}$	6.80	2.88e+03
Fe XVII *	46.8067	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 4p\ ^3S_1$	6.90	2.13e+03
Fe XVII *	46.8075	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 4p\ ^1P_1$	6.90	1.56e+03
Fe XVII *	46.9859	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 4p\ ^3D_2$	6.90	1.42e+03
Fe XVIII *	47.0163	$2s\ 2p^5\ (^3P)\ 3p\ ^2D_{5/2}$ - $2s\ 2p^5\ (^3P)\ 4d\ ^2F_{7/2}$	6.95	1.90e+03
Mg X	47.3102	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 4d\ ^2D_{5/2}$	6.85	1.78e+03
Al XI	48.2970	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{3/2}$	6.95	1.65e+03
Fe XVII *	49.1428	$2s^2\ 2p^5\ 3p\ ^3S_1$ - $2s^2\ 2p^5\ 4d\ ^3P_2$	6.90	1.27e+03
Fe XIX *	49.1898	$1s^2\ 2s^2\ 2p^3\ 3d\ ^3D_3$ - $1s^2\ 2s^2\ 2p^3\ 4f\ ^3F_4$	7.00	1.30e+03
Si XI	49.2227	$2s\ 2p\ ^1P_1$ - $2s\ 3d\ ^1D_2$	6.30	3.53e+03
Fe XVII	49.4519	$2s^2\ 2p^5\ 3p\ ^3S_1$ - $2s^2\ 2p^5\ 4d\ ^3P_1$	6.90	2.06e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XVII	49.7500	$2s^2\ 2p^5\ 3p\ ^1P_1$ - $2s^2\ 2p^5\ 4d\ ^3D_1$	6.90	1.29e+03
Fe XVII *	49.7814	$2s^2\ 2p^5\ 3p\ ^3D_1$ - $2s^2\ 2p^5\ 4d\ ^3F_2$	6.90	1.81e+03
Fe XVII	49.8700	$2s^2\ 2p^5\ 3p\ ^3D_2$ - $2s^2\ 2p^5\ 4d\ ^3F_3$	6.90	2.67e+03