Predicted XUV Line Intensities
CHIANTI database - Version 6.0

Calculated with Constant pressure= 1.00e+16 (cm^{-3} K)
50.1 to 149.9 Å
Number of lines: 828
Minimum intensity = 140.000
Units are: erg cm-2 sr-1 s-1
Lines marked with a * do not have correspondent observed energy levels
and have approximate wavelengths.
Calculated: Fri Sep 4 11:49:33 2009

Ionization Fractions file: `chianti.ioneq`
ionization equilibrium: CHIANTI
produced as part of the CHIANTI atomic data base collaboration
K.P. Dere (GMU) Wed Dec 10 09:16:04 2008

Elemental Abundance file: `sun_photospheric_grevesse07.abund`
abundance: Grevesse N., Asplund, M. & Sauval A.J., 2007, Space Science
Reviews, 130, 105
comment: These are the latest set of "standard abundances" produced by
Grevesse
and colleagues.
produced as part of the Arcetri/Cambridge/NRL 'CHIANTI' atomic data base
collaboration
Peter Young - 19-Dec-2008

Minimum abundance = 3.98107e-08

Differential Emission Measure file: `flare_ext.dem`
filename: flare.dem
dem: Dere, K.P., Cook, J.W., 1979, ApJ, 229, 772
comment: composite of August 9 1553 and 1554 UT data of an M2 X-ray class
flare
comment: modifies at high temperature (7.3 to 8.0) by G.Del Zanna to
calculate
the emissivities of the hottest ions.
produced as part of the Arcetri/Cambridge/NRL 'CHIANTI' atomic data base
collaboration
K.P.Dere and G. Del Zanna - Aug 2002

Table 1: *Line List*

Ion	λ (Å)	Transition	T_{max}	Int
Fe XVII *	50.1398	$2s^2\ 2p^5\ 3p\ ^3D_2$ - $2s^2\ 2p^5\ 4d\ ^1D_2$	6.9	5.44e+02
Fe XVII	50.1535	$2s^2\ 2p^5\ 3p\ ^3D_2$ - $2s^2\ 2p^5\ 4d\ ^3P_1$	6.9	2.70e+02
Fe XVII	50.1960	$2s^2\ 2p^5\ 3p\ ^3D_3$ - $2s^2\ 2p^5\ 4d\ ^1F_3$	6.9	4.12e+02
Fe XVII *	50.2211	$2s^2\ 2p^5\ 3p\ ^3D_1$ - $2s^2\ 2p^5\ 4d\ ^3F_2$	6.9	1.41e+03
Fe XVII *	50.2496	$2s\ 2p^6\ 3p\ ^3P_1$ - $2s\ 2p^6\ 4d\ ^1D_2$	6.9	3.93e+02
Ni XVIII	50.2550	$3p\ ^2P_{1/2}$ - $4s\ ^2S_{1/2}$	6.9	1.93e+03
Fe XVII	50.2621	$2s^2\ 2p^5\ 3p\ ^3D_3$ - $2s^2\ 2p^5\ 4d\ ^3F_4$	6.9	3.19e+03
Fe XVII *	50.3002	$2s^2\ 2p^5\ 3p\ ^3P_1$ - $2s^2\ 2p^5\ 4d\ ^1P_1$	6.9	4.81e+02
Fe XVII *	50.3026	$2s^2\ 2p^5\ 3p\ ^3D_2$ - $2s^2\ 2p^5\ 4d\ ^3P_2$	6.9	2.13e+02
Fe XVI	50.3610	$3s\ ^2S_{1/2}$ - $4p\ ^2P_{3/2}$	6.8	8.77e+03
Fe XVII *	50.4024	$2s^2\ 2p^5\ 3p\ ^3D_3$ - $2s^2\ 2p^5\ 4d\ ^3D_3$	6.9	3.72e+02
Mg XI	50.4376	$1s\ 2s\ ^3S_1$ - $1s\ 3p\ ^3P_2$	6.9	2.23e+03
Mg XI	50.4645	$1s\ 2s\ ^3S_1$ - $1s\ 3p\ ^3P_1$	6.9	9.24e+02
Mg XI	50.4713	$1s\ 2s\ ^3S_1$ - $1s\ 3p\ ^3P_0$	6.9	3.00e+02
Si X	50.5240	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 3d\ ^2D_{3/2}$	6.2	8.68e+02
Fe XVII *	50.5542	$2s\ 2p^6\ 3p\ ^3P_0$ - $2s\ 2p^6\ 4d\ ^3D_1$	6.9	2.83e+02
Fe XVI	50.5650	$3s\ ^2S_{1/2}$ - $4p\ ^2P_{1/2}$	6.8	4.79e+03
Si XI	50.6171	$2p^2\ ^1S_0$ - $2p\ 3d\ ^1P_1$	6.9	1.50e+02
Fe XVII *	50.6320	$2s^2\ 2p^5\ 3p\ ^3D_3$ - $2s^2\ 2p^5\ 4d\ ^3P_2$	6.9	1.53e+02
Fe XVII *	50.6382	$2s\ 2p^6\ 3p\ ^3P_1$ - $2s\ 2p^6\ 4d\ ^3D_2$	6.9	6.03e+02
Fe XVII *	50.6486	$2s\ 2p^6\ 3p\ ^3P_1$ - $2s\ 2p^6\ 4d\ ^3D_1$	6.9	1.90e+02
Si X	50.6910	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3d\ ^2D_{5/2}$	6.2	1.27e+03
Si X	50.7030	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3d\ ^2D_{3/2}$	6.2	1.72e+02
Fe XVII *	50.7169	$2s^2\ 2p^5\ 3p\ ^1P_1$ - $2s^2\ 2p^5\ 4d\ ^1D_2$	6.9	1.03e+03
Fe XVII *	50.7742	$2s^2\ 2p^5\ 3p\ ^3P_1$ - $2s^2\ 2p^5\ 4d\ ^3D_2$	6.9	2.12e+03
Fe XVII *	50.7927	$2s^2\ 2p^5\ 3p\ ^1D_2$ - $2s^2\ 2p^5\ 4d\ ^3F_3$	6.9	2.32e+03
Fe XVII *	50.8574	$2s^2\ 2p^5\ 3p\ ^1D_2$ - $2s^2\ 2p^5\ 4d\ ^3D_2$	6.9	2.51e+02
Fe XVII *	50.8835	$2s^2\ 2p^5\ 3p\ ^1P_1$ - $2s^2\ 2p^5\ 4d\ ^3P_2$	6.9	3.10e+02
Fe XVII *	50.9444	$2s^2\ 2p^5\ 3p\ ^1D_2$ - $2s^2\ 2p^5\ 4d\ ^3F_2$	6.9	2.44e+02
Fe XVII *	51.0314	$2s^2\ 2p^5\ 3p\ ^3P_2$ - $2s^2\ 2p^5\ 4d\ ^3D_3$	6.9	1.70e+03
Ni XVIII	51.0380	$3p\ ^2P_{3/2}$ - $4s\ ^2S_{1/2}$	6.9	3.99e+03
Fe XVII	51.0828	$2s^2\ 2p^5\ 3p\ ^3P_2$ - $2s^2\ 2p^5\ 4d\ ^3P_1$	6.9	3.86e+02
Fe XVII *	51.0930	$2s\ 2p^6\ 3p\ ^3P_2$ - $2s\ 2p^6\ 4d\ ^3D_3$	6.9	1.11e+03
Fe XVII *	51.1164	$2s\ 2p^6\ 3p\ ^3P_2$ - $2s\ 2p^6\ 4d\ ^3D_2$	6.9	2.14e+02
Fe XVIII *	51.1330	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4s\ ^4P_{5/2}$	6.9	2.69e+02
Fe XVII *	51.1411	$2s\ 2p^6\ 3p\ ^1P_1$ - $2s\ 2p^6\ 4d\ ^1D_2$	6.9	5.61e+03
Fe XVIII *	51.2297	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 4s\ ^4P_{5/2}$	6.9	4.94e+02
Fe XVII *	51.2668	$2s^2\ 2p^5\ 3p\ ^3P_2$ - $2s^2\ 2p^5\ 4d\ ^3P_2$	6.9	1.34e+03
Fe XVIII	51.6157	$2s^2\ 2p^4\ (^1D)\ 3p\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4d\ ^2F_{5/2}$	6.9	1.69e+02
Fe XVIII *	51.6268	$2s\ 2p^5\ (^3P)\ 3p\ ^4D_{5/2}$ - $2s\ 2p^5\ (^3P)\ 4s\ ^2P_{3/2}$	6.9	3.61e+02
Fe XVII *	51.6695	$2s^2\ 2p^5\ 3p\ ^3P_0$ - $2s^2\ 2p^5\ 4d\ ^3D_1$	6.9	1.39e+03
Fe XVIII *	51.9000	$2s^2\ 2p^4\ (^3P)\ 3p\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 4s\ ^2P_{3/2}$	6.9	4.53e+02
Fe XIX *	51.9401	$2s^2\ 2p^3\ (^4S)\ 3d\ ^5D_4$ - $2s^2\ 2p^3\ (^4S)\ 4p\ ^5P_3$	7.0	1.86e+02
Fe XVIII *	51.9698	$2s^2\ 2p^4\ (^1D)\ 3p\ ^2F_{7/2}$ - $2s^2\ 2p^4\ (^1D)\ 4s\ ^2D_{5/2}$	6.9	3.72e+02
Fe XVIII *	51.9927	$2s\ 2p^5\ (^3P)\ 3p\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 4s\ ^4P_{3/2}$	6.9	3.14e+02
Fe XVIII *	52.0062	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 4s\ ^4P_{3/2}$	6.9	2.79e+02
Fe XVIII *	52.0997	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{7/2}$ - $2s^2\ 2p^4\ (^3P)\ 4s\ ^4P_{5/2}$	6.9	6.65e+02
Fe XVIII *	52.2670	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{7/2}$ - $2s^2\ 2p^4\ (^3P)\ 4f\ ^2F_{7/2}$	6.9	1.55e+02
Fe XVIII *	52.2860	$2s\ 2p^5\ (^3P)\ 3p\ ^4D_{3/2}$ - $2s\ 2p^5\ (^3P)\ 4s\ ^2P_{3/2}$	6.9	5.37e+02

Ion	λ (Å)	Transition	T_{max}	Int
Si XI	52.2913	2s 2p ^{1}P$_1$ - 2s 3s ^{1}S$_0$	6.3	2.19e+03
Al XI	52.2991	1s^2 2p ^{2}P$_{1/2}$ - 1s^2 3d ^{2}D$_{3/2}$	6.9	7.75e+02
Fe XVIII *	52.3051	2s^2 2p^4 (^{3}P) 3d ^{4}D$_{5/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{4}F$_{7/2}$	6.9	2.68e+02
Fe XVIII *	52.3390	2s^2 2p^4 (^{3}P) 3d ^{4}D$_{7/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{4}F$_{9/2}$	6.9	3.31e+02
Fe XVIII *	52.4148	2s^2 2p^4 (^{3}P) 3d ^{4}D$_{3/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{4}F$_{5/2}$	6.9	1.79e+02
Al XI	52.4461	1s^2 2p ^{2}P$_{3/2}$ - 1s^2 3d ^{2}D$_{5/2}$	6.9	1.39e+03
Al XI	52.4580	1s^2 2p ^{2}P$_{3/2}$ - 1s^2 3d ^{2}D$_{3/2}$	6.9	1.54e+02
Fe XVIII *	52.4752	2s 2p^5 (^{3}P) 3p ^{2}P$_{1/2}$ - 2s 2p^5 (^{3}P) 4s ^{4}P$_{3/2}$	6.9	1.86e+02
Si X	52.4850	2s 2p^2 ^{2}D$_{5/2}$ - 2s 2p (^{3}P) 3d ^{2}F$_{7/2}$	6.2	2.37e+02
Fe XVIII *	52.5171	2s 2p^5 (^{3}P) 3p ^{4}P$_{5/2}$ - 2s 2p^5 (^{3}P) 4s ^{4}P$_{3/2}$	6.9	8.12e+02
Fe XIX *	52.5355	2s^2 2p^3 (^{4}S) 3d ^{3}D$_2$ - 2s^2 2p^3 (^{4}S) 4p ^{3}P$_2$	7.0	1.71e+02
Fe XVIII *	52.5985	2s^2 2p^4 (^{3}P) 3d ^{4}F$_{5/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{4}G$_{7/2}$	6.9	1.46e+02
Si X	52.6110	2s 2p^2 ^{2}D$_{3/2}$ - 2s 2p (^{3}P) 3d ^{2}F$_{5/2}$	6.2	2.02e+02
Ni XVIII	52.6150	3d ^{2}D$_{3/2}$ - 4f ^{2}F$_{5/2}$	6.9	1.82e+03
Fe XVIII *	52.6399	2s 2p^5 (^{3}P) 3p ^{2}D$_{5/2}$ - 2s 2p^5 (^{3}P) 4s ^{2}P$_{3/2}$	6.9	5.96e+02
Mg XI	52.6531	1s 2s ^{1}S$_0$ - 1s 3p ^{1}P$_1$	7.0	3.39e+02
Mg XI	52.7090	1s 2p ^{3}P$_2$ - 1s 3d ^{3}D$_3$	6.9	2.46e+02
Fe XVIII *	52.7154	2s^2 2p^4 (^{1}D) 3p ^{2}D$_{5/2}$ - 2s^2 2p^4 (^{1}D) 4s ^{2}D$_{5/2}$	6.9	2.25e+02
Ni XVIII	52.7200	3d ^{2}D$_{5/2}$ - 4f ^{2}F$_{7/2}$	6.9	2.60e+03
S VIII	52.7561	2s^2 2p^5 ^{2}P$_{3/2}$ - 2s^2 2p^4 (^{1}D) 3d ^{2}D$_{5/2}$	6.1	1.51e+02
Fe XVIII *	52.7580	2s^2 2p^4 (^{1}D) 3d ^{2}G$_{7/2}$ - 2s^2 2p^4 (^{1}D) 4f ^{2}H$_{9/2}$	6.9	1.62e+02
Fe XVII	52.7684	2s^2 2p^5 3p ^{1}S$_0$ - 2s^2 2p^5 4d ^{1}P$_1$	6.9	1.30e+03
Fe XVIII *	52.7720	2s 2p^5 (^{3}P) 3d ^{4}F$_{9/2}$ - 2s 2p^5 (^{3}P) 4f ^{4}G$_{11/2}$	6.9	1.81e+02
Fe XVIII *	52.8485	2s^2 2p^4 (^{1}D) 3d ^{2}G$_{9/2}$ - 2s^2 2p^4 (^{1}D) 4f ^{2}H$_{11/2}$	6.9	2.60e+02
Fe XIX *	52.8553	2s^2 2p^3 (^{2}D) 3d ^{3}D$_3$ - 2s^2 2p^3 (^{2}D) 4p ^{3}P$_2$	7.0	3.12e+02
Fe XVIII *	52.8974	2s^2 2p^4 (^{3}P) 3d ^{4}F$_{7/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{4}G$_{9/2}$	6.9	2.00e+02
Fe XV	52.9110	3s^2 ^{1}S$_0$ - 3s 4p ^{1}P$_1$	6.8	3.04e+03
Fe XVIII *	52.9226	2s^2 2p^4 (^{3}P) 3d ^{4}F$_{3/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{4}G$_{5/2}$	6.9	1.71e+02
Fe XVIII *	52.9609	2s^2 2p^4 (^{3}P) 3d ^{4}F$_{5/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{2}G$_{7/2}$	6.9	3.79e+02
Fe XVIII *	52.9647	2s^2 2p^4 (^{3}P) 3d ^{4}F$_{9/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{4}G$_{11/2}$	6.9	3.33e+02
Fe XIX *	53.0329	2s^2 2p^3 (^{2}D) 3d ^{3}D$_2$ - 2s^2 2p^3 (^{2}D) 4p ^{3}P$_2$	7.0	6.15e+02
Fe XVIII *	53.0334	2s 2p^5 (^{3}P) 3p ^{4}D$_{1/2}$ - 2s 2p^5 (^{3}P) 4s ^{2}P$_{3/2}$	6.9	1.74e+02
Fe XVIII *	53.0367	2s 2p^5 (^{3}P) 3d ^{4}F$_{7/2}$ - 2s 2p^5 (^{3}P) 4f ^{2}G$_{9/2}$	6.9	2.17e+02
Fe XV *	53.1700	3s^2 ^{1}S$_0$ - 3s 4p ^{3}P$_1$	6.7	3.32e+02
Fe XIX *	53.1739	2s^2 2p^3 (^{2}D) 3d ^{3}D$_3$ - 2s^2 2p^3 (^{4}S) 4f ^{3}F$_4$	7.0	1.84e+02
Fe XVIII *	53.2577	2s^2 2p^4 (^{3}P) 3d ^{2}F$_{7/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{2}F$_{7/2}$	6.9	1.44e+02
Fe XVIII *	53.2676	2s^2 2p^4 (^{3}P) 3d ^{2}F$_{7/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{2}G$_{9/2}$	6.9	3.44e+02
Fe XIX *	53.3023	2s^2 2p^3 (^{4}S) 3d ^{3}D$_3$ - 2s^2 2p^3 (^{4}S) 4p ^{3}P$_2$	7.0	8.86e+02
Fe XVIII *	53.3425	2s^2 2p^4 (^{3}P) 3p ^{4}D$_{3/2}$ - 2s^2 2p^4 (^{3}P) 4s ^{2}P$_{3/2}$	6.9	1.74e+02
Fe XVIII *	53.3642	2s^2 2p^4 (^{3}P) 3d ^{4}P$_{5/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{4}D$_{7/2}$	6.9	1.66e+02
Fe XVIII *	53.4806	2s 2p^5 (^{3}P) 3d ^{4}F$_{5/2}$ - 2s 2p^5 (^{3}P) 4f ^{2}F$_{7/2}$	6.9	1.80e+02
Fe XVIII *	53.5276	2s 2p^5 (^{3}P) 3d ^{4}D$_{7/2}$ - 2s 2p^5 (^{3}P) 4f ^{4}G$_{9/2}$	6.9	1.46e+02
Fe XVIII *	53.5676	2s^2 2p^4 (^{1}D) 3d ^{2}S$_{1/2}$ - 2s^2 2p^4 (^{1}D) 4f ^{2}P$_{1/2}$	6.9	1.91e+02
Fe XVIII *	53.5898	2s^2 2p^4 (^{3}P) 3d ^{4}P$_{1/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{2}D$_{3/2}$	6.9	2.19e+02
Fe XIX *	53.6746	2s^2 2p^3 (^{2}D) 3d ^{3}S$_1$ - 2s^2 2p^3 (^{2}D) 4p ^{3}P$_2$	7.0	6.30e+02
Mg XI	53.8112	1s 2p ^{3}P$_1$ - 1s 3s ^{3}S$_1$	6.9	3.46e+02
Mg XI	53.9149	1s 2p ^{3}P$_2$ - 1s 3s ^{3}S$_1$	6.9	5.84e+02
Ni XIX *	53.9358	2p^5 3d ^{3}D$_1$ - 2p^5 4p ^{3}P$_0$	7.0	2.57e+02
Fe XVIII *	53.9404	2s 2p^5 (^{3}P) 3d ^{2}F$_{7/2}$ - 2s 2p^5 (^{3}P) 4f ^{4}F$_{9/2}$	6.9	1.52e+02

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S X	54.0260	2s 2p^4 ^{4}P$_{5/2}$ - 2s^2 2p^2 (^{3}P) 3p ^{4}S$_{3/2}$	6.3	2.40e+02
Fe XVIII *	54.0860	2s^2 2p^4 (^{3}P) 3d ^{4}P$_{3/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{2}F$_{5/2}$	6.9	5.53e+02
S VIII	54.1181	2s^2 2p^5 ^{2}P$_{3/2}$ - 2s^2 2p^4 (^{3}P) 3d ^{2}D$_{5/2}$	6.1	1.44e+02
Fe XVI	54.1270	3p ^{2}P$_{1/2}$ - 4d ^{2}D$_{3/2}$	6.8	6.76e+03
Fe XVIII *	54.1679	2s^2 2p^4 (^{1}D) 3p ^{2}P$_{3/2}$ - 2s^2 2p^4 (^{1}D) 4s ^{2}D$_{5/2}$	6.9	1.63e+02
Fe XVIII *	54.1728	2s^2 2p^4 (^{3}P) 3d ^{2}D$_{5/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{4}G$_{7/2}$	6.9	3.06e+02
Al XI	54.2174	1s^2 2p ^{2}P$_{1/2}$ - 1s^2 3s ^{2}S$_{1/2}$	6.9	3.49e+02
S X	54.2283	2s 2p^4 ^{4}P$_{3/2}$ - 2s^2 2p^2 (^{3}P) 3p ^{4}S$_{3/2}$	6.3	1.89e+02
Fe XVIII *	54.3505	2s^2 2p^4 (^{3}P) 3d ^{2}F$_{5/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{2}F$_{5/2}$	6.9	1.97e+02
Al XI	54.3881	1s^2 2p ^{2}P$_{3/2}$ - 1s^2 3s ^{2}S$_{1/2}$	6.9	7.05e+02
Fe XVIII *	54.4176	2s^2 2p^4 (^{3}P) 3d ^{2}F$_{5/2}$ - 2s^2 2p^4 (^{3}P) 4f ^{2}F$_{7/2}$	6.9	1.03e+03
Si XI	54.4374	2p^2 ^{3}P$_2$ - 2s 3p ^{3}P$_2$	6.3	1.66e+02
Ni XIX *	54.5309	2p^5 3d ^{1}P$_1$ - 2p^5 4p ^{1}S$_0$	7.0	3.09e+02
Fe XVI	54.7100	3p ^{2}P$_{3/2}$ - 4d ^{2}D$_{5/2}$	6.8	1.20e+04
Mg XI	54.7141	1s 2p ^{1}P$_1$ - 1s 3d ^{1}D$_2$	7.0	3.28e+02
Fe XVI	54.7470	3p ^{2}P$_{3/2}$ - 4d ^{2}D$_{3/2}$	6.8	1.37e+03
Ca XVIII	54.8713	1s^2 3s ^{2}S$_{1/2}$ - 1s^2 4p ^{2}P$_{1/2}$	7.1	1.44e+02
Ca XVIII	55.0386	1s^2 3s ^{2}S$_{1/2}$ - 1s^2 4p ^{2}P$_{3/2}$	7.1	2.70e+02
Ni XVII *	55.0390	3s 3p ^{1}P$_1$ - 3s 4s ^{1}S$_0$	6.8	1.70e+03
Mg XI	55.1971	1s 2p ^{1}P$_1$ - 1s 3s ^{1}S$_0$	7.0	1.40e+03
Si IX	55.2720	2s^2 2p^2 ^{3}P$_2$ - 2s^2 2p 3d ^{3}P$_2$	6.2	3.37e+02
Si IX	55.3050	2s^2 2p^2 ^{3}P$_0$ - 2s^2 2p 3d ^{3}D$_1$	6.2	2.26e+02
Si IX	55.3560	2s^2 2p^2 ^{3}P$_1$ - 2s^2 2p 3d ^{3}D$_2$	6.2	4.89e+02
Si IX	55.4010	2s^2 2p^2 ^{3}P$_2$ - 2s^2 2p 3d ^{3}D$_3$	6.2	7.34e+02
Fe XVII	55.5482	2s^2 2p^5 3p ^{1}S$_0$ - 2s^2 2p^5 4d ^{3}D$_1$	6.9	4.04e+02
Fe XV	55.7920	3s 3p ^{3}P$_1$ - 3s 4d ^{3}D$_2$	6.4	2.05e+02
Fe XVII	55.9962	2s^2 2p^5 3p ^{3}S$_1$ - 2s^2 2p^5 4s ^{3}P$_2$	6.9	2.73e+02
Si IX	56.0270	2s^2 2p^2 ^{1}D$_2$ - 2s^2 2p 3d ^{1}F$_3$	6.1	1.84e+02
Ne IX	56.0448	1s 2s ^{3}S$_1$ - 1s 4p ^{3}P$_2$	6.8	2.10e+02
Fe XV	56.2000	3s 3p ^{3}P$_2$ - 3s 4d ^{3}D$_3$	6.4	3.58e+02
Ca XVIII	56.3925	1s^2 3p ^{2}P$_{1/2}$ - 1s^2 4d ^{2}D$_{3/2}$	7.1	1.66e+02
Fe XVII	56.6853	2s^2 2p^5 3p ^{3}D$_2$ - 2s^2 2p^5 4s ^{1}P$_1$	6.9	6.32e+02
Ca XVIII	56.7181	1s^2 3p ^{2}P$_{3/2}$ - 1s^2 4d ^{2}D$_{5/2}$	7.1	3.00e+02
Fe XVII	56.9085	2s^2 2p^5 3p ^{3}D$_2$ - 2s^2 2p^5 4s ^{3}P$_2$	6.9	2.17e+02
Fe XVII *	57.0200	2s 2p^6 3p ^{3}P$_1$ - 2s 2p^6 4s ^{1}S$_0$	6.9	4.70e+02
Fe XVII *	57.0600	2s^2 2p^5 3p ^{3}D$_1$ - 2s^2 2p^5 4s ^{3}P$_1$	6.9	3.16e+02
Si X	57.2090	2s 2p^2 ^{2}D$_{5/2}$ - 2s 2p (^{3}P) 3s ^{2}P$_{3/2}$	6.2	3.19e+02
Fe XVII	57.3201	2s^2 2p^5 3p ^{3}D$_3$ - 2s^2 2p^5 4s ^{3}P$_2$	6.9	6.34e+02
Fe XVII	57.3462	2s^2 2p^5 3s ^{1}P$_1$ - 2s 2p^6 3d ^{1}D$_2$	6.9	1.44e+02
Si X	57.3650	2s 2p^2 ^{2}D$_{3/2}$ - 2s 2p (^{3}P) 3s ^{2}P$_{1/2}$	6.2	2.35e+02
Fe XVII	57.4195	2s^2 2p^5 3p ^{1}P$_1$ - 2s^2 2p^5 4s ^{1}P$_1$	6.9	6.56e+02
Fe XVII	57.6256	2s^2 2p^5 3p ^{1}D$_2$ - 2s^2 2p^5 4s ^{3}P$_1$	6.9	1.01e+03
Ca XVIII	57.6702	1s^2 3d ^{2}D$_{3/2}$ - 1s^2 4f ^{2}F$_{5/2}$	7.1	3.46e+02
Fe XVII *	57.7661	2s^2 2p^5 3d ^{3}D$_1$ - 2s^2 2p^5 4f ^{3}F$_2$	6.9	2.61e+02
Ca XVIII	57.7702	1s^2 3d ^{2}D$_{5/2}$ - 1s^2 4f ^{2}F$_{7/2}$	7.1	4.91e+02
Fe XVII	57.8752	2s^2 2p^5 3p ^{3}P$_2$ - 2s^2 2p^5 4s ^{1}P$_1$	6.9	6.03e+02
Mg X	57.8762	1s^2 2s ^{2}S$_{1/2}$ - 1s^2 3p ^{2}P$_{3/2}$	6.9	7.33e+03
Fe XVII *	57.8873	2s^2 2p^5 3p ^{3}P$_1$ - 2s^2 2p^5 4s ^{3}P$_1$	6.9	2.23e+02
Mg X	57.9201	1s^2 2s ^{2}S$_{1/2}$ - 1s^2 3p ^{2}P$_{1/2}$	6.9	3.73e+03

Ion	λ (Å)	Transition	T_{max}	Int
Fe XVII *	57.9760	$2s^2\ 2p^5\ 3p\ ^3P_1$ - $2s^2\ 2p^5\ 4s\ ^3P_0$	6.9	1.67e+02
Ca XVIII	58.0317	$1s^2\ 3p\ ^2P_{1/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.1	1.48e+02
Fe XVII	58.1078	$2s^2\ 2p^5\ 3p\ ^3P_2$ - $2s^2\ 2p^5\ 4s\ ^3P_2$	6.9	2.72e+02
Fe XVII *	58.1706	$2s\ 2p^6\ 3p\ ^1P_1$ - $2s\ 2p^6\ 4s\ ^1S_0$	6.9	4.09e+03
Fe XVII	58.2969	$2s^2\ 2p^5\ 3d\ ^3P_1$ - $2s^2\ 2p^5\ 4f\ ^3D_2$	6.9	5.47e+02
Ca XVIII	58.4284	$1s^2\ 3p\ ^2P_{3/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.1	3.06e+02
Fe XVIII *	58.5331	$2s^2\ 2p^4\ (^1D)\ 3d\ ^2G_{9/2}$ - $2s^2\ 2p^4\ (^1D)\ 4p\ ^2F_{7/2}$	6.9	1.52e+02
Fe XVIII *	58.6454	$2s^2\ 2p^4\ (^3P)\ 3d\ ^2D_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^4S_{3/2}$	6.9	1.66e+02
Fe XVIII *	58.7088	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^2P_{3/2}$	6.9	1.44e+02
Fe XVII	58.7601	$2s^2\ 2p^5\ 3d\ ^3F_4$ - $2s^2\ 2p^5\ 4f\ ^3G_5$	6.9	4.59e+02
Fe XVII	58.7601	$2s^2\ 2p^5\ 3d\ ^3P_2$ - $2s^2\ 2p^5\ 4f\ ^3D_2$	6.9	3.43e+02
Fe XVIII *	58.7641	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^4D_{3/2}$	6.9	3.38e+02
Fe XVIII *	58.7961	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{9/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^4D_{7/2}$	6.9	2.51e+02
Fe XVII *	58.8420	$2s^2\ 2p^5\ 3d\ ^3P_2$ - $2s^2\ 2p^5\ 4f\ ^3F_3$	6.9	2.61e+02
Fe XVIII *	58.9846	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^4D_{1/2}$	6.9	1.63e+02
Fe XVIII *	59.0371	$2s^2\ 2p^4\ (^1D)\ 3d\ ^2S_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 4p\ ^2P_{3/2}$	6.9	3.42e+02
Fe XVIII *	59.1060	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^2D_{3/2}$	6.9	1.62e+02
Fe XVIII *	59.1309	$2s^2\ 2p^4\ (^3P)\ 3d\ ^2F_{7/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^2D_{5/2}$	6.9	2.16e+02
Fe XVII *	59.1708	$2s^2\ 2p^5\ 3d\ ^3F_2$ - $2s^2\ 2p^5\ 4f\ ^3G_3$	6.9	2.33e+02
Fe XVII *	59.2236	$2s\ 2p^6\ 3d\ ^3D_2$ - $2s\ 2p^6\ 4f\ ^3F_3$	6.9	2.16e+02
Fe XVIII *	59.2333	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^2P_{3/2}$	6.9	5.18e+02
Fe XVIII *	59.2416	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^4S_{3/2}$	6.9	2.80e+02
Fe XVII *	59.2588	$2s\ 2p^6\ 3d\ ^3D_3$ - $2s\ 2p^6\ 4f\ ^3F_4$	6.9	2.53e+02
Fe XVII	59.2601	$2s^2\ 2p^5\ 3d\ ^3F_3$ - $2s^2\ 2p^5\ 4f\ ^1G_4$	6.9	4.40e+02
Fe XVII *	59.3340	$2s^2\ 2p^5\ 3d\ ^3D_2$ - $2s^2\ 2p^5\ 4f\ ^3D_3$	6.9	3.53e+02
Fe XV	59.4050	$3s\ 3p\ ^1P_1$ - $3s\ 4d\ ^1D_2$	6.7	3.55e+03
Fe XVIII *	59.5506	$2s^2\ 2p^4\ (^3P)\ 3d\ ^2F_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^2P_{3/2}$	6.9	1.05e+03
Fe XVII	59.5901	$2s^2\ 2p^5\ 3d\ ^1F_3$ - $2s^2\ 2p^5\ 4f\ ^3G_4$	6.9	3.72e+02
Fe XVII *	59.5938	$2s^2\ 2p^5\ 3d\ ^1D_2$ - $2s^2\ 2p^5\ 4f\ ^1F_3$	6.9	1.84e+02
Fe XVII *	59.6053	$2s^2\ 2p^5\ 3d\ ^1D_2$ - $2s^2\ 2p^5\ 4f\ ^1D_2$	6.9	3.95e+02
Fe XVII *	59.8966	$2s^2\ 2p^5\ 3d\ ^3D_3$ - $2s^2\ 2p^5\ 4f\ ^3F_4$	6.9	2.39e+02
Fe XVIII *	59.9082	$2s^2\ 2p^4\ (^1D)\ 3d\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 4p\ ^2P_{3/2}$	6.9	3.20e+02
Fe XVII *	59.9278	$2s^2\ 2p^5\ 3p\ ^3P_0$ - $2s^2\ 2p^5\ 4s\ ^1P_1$	6.9	1.71e+02
Fe XVIII *	59.9570	$2s^2\ 2p^4\ (^3P)\ 3d\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 4p\ ^2D_{3/2}$	6.9	4.18e+02
Ni XVIII	59.9590	$3d\ ^2D_{5/2}$ - $4p\ ^2P_{3/2}$	6.9	3.46e+02
Fe XVIII *	60.1252	$2s^2\ 2p^4\ (^1D)\ 3d\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^1D)\ 4p\ ^2P_{3/2}$	6.9	4.92e+02
S VII	60.1620	$2p^6\ ^1S_0$ - $2p^5\ 3d\ ^1P_1$	5.8	4.24e+02
Ni XVIII	60.2230	$3d\ ^2D_{3/2}$ - $4p\ ^2P_{1/2}$	6.9	2.08e+02
Ne IX	60.6981	$1s\ 2p\ ^1P_1$ - $1s\ 4s\ ^1S_0$	6.8	1.41e+02
Fe XVII *	60.7794	$2s\ 2p^6\ 3d\ ^1D_2$ - $2s\ 2p^6\ 4f\ ^1F_3$	6.9	6.93e+02
Si VIII	60.9890	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4P_{1/2}$	6.1	1.69e+02
Si VIII	61.0190	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4P_{3/2}$	6.1	3.33e+02
Fe XVIII *	61.0203	$2s^2\ 2p^4\ (^1D)\ 3d\ ^2D_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 4p\ ^2P_{3/2}$	6.9	5.39e+02
Si VIII	61.0700	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4P_{5/2}$	6.1	4.93e+02
Fe XVIII *	61.2878	$2s^2\ 2p^4\ (^1D)\ 3d\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 4p\ ^2P_{3/2}$	6.9	1.80e+02
Fe XVII *	61.3198	$2s^2\ 2p^5\ 4s\ ^1P_1$ - $2s^2\ 2p^5\ 7p\ ^1S_0$	6.9	2.61e+02
Fe XVII *	61.3596	$2s^2\ 2p^5\ 3d\ ^3D_1$ - $2s^2\ 2p^5\ 4f\ ^1D_2$	6.9	9.51e+02
Fe XVII	61.3615	$2s^2\ 2p^5\ 3p\ ^1S_0$ - $2s^2\ 2p^5\ 4s\ ^3P_1$	6.9	1.72e+02
Fe XVII *	61.3938	$2s^2\ 2p^5\ 4s\ ^3P_1$ - $2s^2\ 2p^5\ 7p\ ^3P_0$	6.9	1.49e+02

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Ion	λ (Å)	Transition	T_{max}	Int
S VIII	61.6001	$2s^2\,2p^5\,^2P_{3/2}$ - $2s^2\,2p^4\,(^1D)\,3s\,^2D_{5/2}$	6.0	2.75e+02
Si IX	61.6490	$2s^2\,2p^2\,^3P_2$ - $2s^2\,2p\,3s\,^3P_2$	6.2	1.42e+02
Fe XVII *	61.8302	$2s^2\,2p^5\,3d\,^1P_1$ - $2s^2\,2p^5\,4f\,^3F_2$	6.9	7.82e+02
S XIV *	61.8693	$1s^2\,3s\,^2S_{1/2}$ - $1s^2\,5p\,^2P_{3/2}$	7.1	2.57e+02
S XIV *	61.9063	$1s^2\,3s\,^2S_{1/2}$ - $1s^2\,5p\,^2P_{1/2}$	7.1	1.41e+02
Si VIII	61.9140	$2s^2\,2p^3\,^2D_{5/2}$ - $2s^2\,2p^2\,(^1D)\,3d\,^2F_{7/2}$	6.0	2.21e+02
Si X *	62.2820	$2s\,2p^2\,^2D_{5/2}$ - $2s^2\,(^1S)\,3p\,^2P_{3/2}$	6.2	1.88e+02
Mg IX	62.7390	$2s^2\,^1S_0$ - $2s\,3p\,^1P_1$	6.1	3.96e+02
Fe XVI	62.8720	$3p\,^2P_{1/2}$ - $4s\,^2S_{1/2}$	6.8	1.39e+04
Mg X	63.1520	$1s^2\,2p\,^2P_{1/2}$ - $1s^2\,3d\,^2D_{3/2}$	6.8	4.65e+03
Mg X	63.2953	$1s^2\,2p\,^2P_{3/2}$ - $1s^2\,3d\,^2D_{5/2}$	6.8	8.29e+03
S VIII	63.3041	$2s^2\,2p^5\,^2P_{3/2}$ - $2s^2\,2p^4\,(^3P)\,3s\,^2P_{3/2}$	6.0	2.41e+02
Mg X	63.3109	$1s^2\,2p\,^2P_{3/2}$ - $1s^2\,3d\,^2D_{3/2}$	6.8	9.27e+02
Fe XX *	63.3673	$2s\,2p^3\,(^3D)\,3d\,^4F_{3/2}$ - $2s^2\,2p^2\,(^3P)\,4d\,^4D_{3/2}$	7.1	2.63e+02
Fe XVI	63.7110	$3p\,^2P_{3/2}$ - $4s\,^2S_{1/2}$	6.8	2.86e+04
S VIII	63.8008	$2s^2\,2p^5\,^2P_{3/2}$ - $2s^2\,2p^4\,(^3P)\,3s\,^4P_{3/2}$	6.0	1.56e+02
Fe XX *	63.8505	$2s\,2p^3\,(^3D)\,3d\,^4F_{3/2}$ - $2s^2\,2p^2\,(^3P)\,4d\,^4F_{5/2}$	7.1	3.49e+02
S VIII	63.8861	$2s^2\,2p^5\,^2P_{3/2}$ - $2s^2\,2p^4\,(^3P)\,3s\,^4P_{5/2}$	6.0	2.95e+02
Fe XV	63.9570	$3p^2\,^1D_2$ - $3s\,4f\,^1F_3$	6.7	1.34e+03
Fe XX *	64.1942	$2s\,2p^3\,(^3D)\,3d\,^4F_{5/2}$ - $2s^2\,2p^2\,(^3P)\,4d\,^4F_{5/2}$	7.1	9.81e+02
Fe XVII *	64.2871	$2s^2\,2p^5\,3d\,^3D_1$ - $2s^2\,2p^5\,4p\,^1S_0$	6.9	2.02e+02
Fe XX *	64.7305	$2s\,2p^3\,(^3D)\,3d\,^4G_{9/2}$ - $2s^2\,2p^2\,(^3P)\,4d\,^2F_{5/2}$	7.1	1.75e+02
Fe XV	64.8780	$3p^2\,^3P_2$ - $3s\,4f\,^1F_3$	6.7	2.86e+02
S XIV	65.1043	$1s^2\,3p\,^2P_{3/2}$ - $1s^2\,5s\,^2S_{1/2}$	7.1	2.27e+02
S XIV	65.2542	$1s^2\,3d\,^2D_{3/2}$ - $1s^2\,5f\,^2F_{5/2}$	7.1	2.78e+02
Fe XVII	65.2697	$2s^2\,2p^5\,3p\,^1S_0$ - $2s^2\,2p^5\,4s\,^1P_1$	6.9	1.43e+02
S XIV	65.3084	$1s^2\,3d\,^2D_{5/2}$ - $1s^2\,5f\,^2F_{7/2}$	7.1	3.97e+02
Fe XX *	65.3333	$2s\,2p^3\,(^3D)\,3d\,^4F_{9/2}$ - $2s^2\,2p^2\,(^3P)\,4d\,^2F_{5/2}$	7.1	2.51e+02
Ne X	65.4397	$2p\,^2P_{1/2}$ - $3d\,^2D_{3/2}$	7.1	7.43e+02
Ne X	65.4466	$2s\,^2S_{1/2}$ - $3p\,^2P_{3/2}$	7.1	1.57e+03
Ne X	65.4841	$2p\,^2P_{1/2}$ - $3s\,^2S_{1/2}$	7.1	1.24e+03
Ne X	65.4932	$2s\,^2S_{1/2}$ - $3p\,^2P_{1/2}$	7.1	7.88e+02
Ne X	65.5818	$2p\,^2P_{3/2}$ - $3d\,^2D_{5/2}$	7.1	1.33e+03
Ne X	65.5973	$2p\,^2P_{3/2}$ - $3d\,^2D_{3/2}$	7.1	1.48e+02
Ne X	65.6420	$2p\,^2P_{3/2}$ - $3s\,^2S_{1/2}$	7.1	2.51e+03
Mg X	65.6736	$1s^2\,2p\,^2P_{1/2}$ - $1s^2\,3s\,^2S_{1/2}$	6.8	2.10e+03
Fe XX *	65.7676	$2s\,2p^3\,(^3D)\,3d\,^4G_{11/2}$ - $2s^2\,2p^2\,(^3P)\,4d\,^2F_{5/2}$	7.1	1.03e+03
Mg X	65.8455	$1s^2\,2p\,^2P_{3/2}$ - $1s^2\,3s\,^2S_{1/2}$	6.8	4.23e+03
Fe XVII *	65.9651	$2s^2\,2p^5\,3d\,^1P_1$ - $2s^2\,2p^5\,4f\,^1D_2$	6.9	1.98e+02
Fe XV	66.2300	$3s\,3p\,^3P_2$ - $3s\,4s\,^3S_1$	6.4	1.89e+02
Fe XVI	66.2490	$3d\,^2D_{3/2}$ - $4f\,^2F_{5/2}$	6.8	1.02e+04
Fe XVI	66.3570	$3d\,^2D_{5/2}$ - $4f\,^2F_{7/2}$	6.8	1.46e+04
Fe XVI	66.3770	$3d\,^2D_{5/2}$ - $4f\,^2F_{5/2}$	6.8	7.27e+02
Fe XVII *	66.7456	$2s^2\,2p^5\,3d\,^3P_1$ - $2s^2\,2p^5\,4p\,^3S_1$	6.9	1.94e+02
Fe XVII *	66.9099	$2s^2\,2p^5\,3d\,^3F_4$ - $2s^2\,2p^5\,4p\,^3D_3$	6.9	3.79e+02
Fe XXIV	67.2089	$1s^2\,4s\,^2S_{1/2}$ - $1s^2\,5p\,^2P_{3/2}$	7.3	4.25e+02
Fe XXIV *	67.2097	$1s^2\,4s\,^2S_{1/2}$ - $1s^2\,5p\,^2P_{1/2}$	7.3	2.18e+02
Mg IX	67.2378	$2s\,2p\,^3P_2$ - $2s\,3d\,^3D_3$	6.1	2.19e+02
Fe XVII *	67.3793	$2s^2\,2p^5\,3d\,^3D_2$ - $2s^2\,2p^5\,4p\,^3P_1$	6.9	2.51e+02

Ion	λ (Å)	Transition	T_{max}	Int
Ne VIII	67.3819	$1s^2$ $2s$ $^2S_{1/2}$ - $1s^2$ $4p$ $^2P_{3/2}$	6.7	2.69e+02
Ne VIII	67.3865	$1s^2$ $2s$ $^2S_{1/2}$ - $1s^2$ $4p$ $^2P_{1/2}$	6.7	1.40e+02
Fe XVII *	67.4364	$2s^2$ $2p^5$ $3d$ $^3F_3$ - $2s^2$ $2p^5$ $4p$ $^1D_2$	6.9	2.94e+02
Fe XVII *	67.5019	$2s^2$ $2p^5$ $3d$ $^1F_3$ - $2s^2$ $2p^5$ $4p$ $^3D_2$	6.9	3.62e+02
Fe XVII *	67.5636	$2s^2$ $2p^5$ $3d$ $^3F_2$ - $2s^2$ $2p^5$ $4p$ $^3D_1$	6.9	1.97e+02
Fe XVII *	67.7190	$2s^2$ $2p^5$ $3d$ $^1D_2$ - $2s^2$ $2p^5$ $4p$ $^1P_1$	6.9	1.59e+02
O VIII	67.7220	$2p$ $^2P_{1/2}$ - $5d$ $^2D_{3/2}$	7.1	3.05e+02
O VIII	67.7254	$2s$ $^2S_{1/2}$ - $5p$ $^2P_{3/2}$	7.1	7.44e+02
O VIII	67.7262	$2p$ $^2P_{1/2}$ - $5s$ $^2S_{1/2}$	7.1	2.34e+02
O VIII	67.7298	$2s$ $^2S_{1/2}$ - $5p$ $^2P_{1/2}$	7.1	3.73e+02
O VIII	67.7896	$2p$ $^2P_{3/2}$ - $5d$ $^2D_{5/2}$	7.1	5.48e+02
O VIII	67.7952	$2p$ $^2P_{3/2}$ - $5s$ $^2S_{1/2}$	7.1	4.92e+02
Fe XVII *	67.9262	$2s^2$ $2p^5$ $3d$ $^3D_3$ - $2s^2$ $2p^5$ $4p$ $^3P_2$	6.9	2.84e+02
Fe XX *	68.0602	$2s$ $2p^3$ (^3D) $3d$ $^4P_{5/2}$ - $2s^2$ $2p^2$ (^3P) $4d$ $^4F_{5/2}$	7.1	2.45e+02
Fe XVII *	68.3204	$2s^2$ $2p^5$ $3d$ $^3D_1$ - $2s^2$ $2p^5$ $4p$ $^3P_0$	6.9	1.79e+03
Si IX *	68.3610	$2s$ $2p^3$ $^3D_3$ - $2s^2$ $2p$ $3p$ $^3P_2$	6.2	1.58e+02
Fe XXIV	68.9847	$1s^2$ $4p$ $^2P_{1/2}$ - $1s^2$ $5d$ $^2D_{3/2}$	7.2	1.83e+02
Fe XVII *	69.3608	$2s^2$ $2p^5$ $3d$ $^1P_1$ - $2s^2$ $2p^5$ $4p$ $^1S_0$	6.9	2.89e+03
Fe XXIV	69.4301	$1s^2$ $4p$ $^2P_{3/2}$ - $1s^2$ $5d$ $^2D_{5/2}$	7.2	3.33e+02
Ni XXI	69.6186	$2s^2$ $2p^4$ $^3P_2$ - $2s$ $2p^5$ $^1P_1$	7.1	3.53e+02
Si VIII	69.6320	$2s^2$ $2p^3$ $^4S_{3/2}$ - $2s^2$ $2p^2$ (^3P) $3s$ $^4P_{5/2}$	6.0	2.15e+02
Fe XV	69.6820	$3s$ $3p$ $^1P_1$ - $3s$ $4s$ $^1S_0$	6.4	8.40e+03
Fe XXIV *	69.9383	$1s^2$ $4d$ $^2D_{3/2}$ - $1s^2$ $5f$ $^2F_{5/2}$	7.2	5.68e+02
Fe XV	69.9410	$3s$ $3d$ $^3D_1$ - $3s$ $4f$ $^3F_2$	6.4	2.39e+02
Fe XV	69.9870	$3s$ $3d$ $^3D_2$ - $3s$ $4f$ $^3F_3$	6.4	3.18e+02
Fe XV	70.0540	$3s$ $3d$ $^3D_3$ - $3s$ $4f$ $^3F_4$	6.4	5.38e+02
Fe XXIV *	70.1221	$1s^2$ $4d$ $^2D_{5/2}$ - $1s^2$ $5f$ $^2F_{7/2}$	7.2	8.14e+02
Fe XXIV *	70.1715	$1s^2$ $4f$ $^2F_{5/2}$ - $1s^2$ $5g$ $^2G_{7/2}$	7.2	1.54e+02
Fe XXIV *	70.2580	$1s^2$ $4f$ $^2F_{7/2}$ - $1s^2$ $5g$ $^2G_{9/2}$	7.2	2.03e+02
Fe XXIV	70.6940	$1s^2$ $4p$ $^2P_{1/2}$ - $1s^2$ $5s$ $^2S_{1/2}$	7.3	2.55e+02
Fe XXIII	71.3015	$2s$ $4s$ $^1S_0$ - $2s$ $5p$ $^1P_1$	7.2	1.54e+02
Fe XXIV	71.4058	$1s^2$ $4p$ $^2P_{3/2}$ - $1s^2$ $5s$ $^2S_{1/2}$	7.3	5.49e+02
Ni XXII	71.4880	$2s^2$ $2p^3$ $^4S_{3/2}$ - $2s$ $2p^4$ $^2P_{3/2}$	7.1	1.49e+02
Fe XXIII	71.7394	$2s$ $4p$ $^1P_1$ - $2s$ $5d$ $^1D_2$	7.2	3.10e+02
S VII	72.0290	$2p^6$ $^1S_0$ - $2p^5$ $3s$ $^1P_1$	5.8	4.17e+02
Mg IX	72.3127	$2s$ $2p$ $^1P_1$ - $2s$ $3d$ $^1D_2$	6.1	6.67e+02
Fe XVII *	72.5266	$2s^2$ $2p^5$ $4s$ $^1P_1$ - $2s^2$ $2p^5$ $6p$ $^1S_0$	6.9	4.51e+02
S VII	72.6640	$2p^6$ $^1S_0$ - $2p^5$ $3s$ $^3P_1$	5.8	2.34e+02
Fe XVII *	72.7805	$2s^2$ $2p^5$ $4s$ $^3P_1$ - $2s^2$ $2p^5$ $6p$ $^3P_0$	6.9	3.01e+02
S VII	72.8980	$2p^6$ $^1S_0$ - $2p^5$ $3s$ $^3P_2$	5.8	3.27e+02
Ar XVI *	72.9974	$1s^2$ $3d$ $^2D_{3/2}$ - $1s^2$ $4f$ $^2F_{5/2}$	7.1	1.50e+02
Ar XVI *	73.0920	$1s^2$ $3d$ $^2D_{5/2}$ - $1s^2$ $4f$ $^2F_{7/2}$	7.1	2.14e+02
Fe XV	73.4720	$3s$ $3d$ $^1D_2$ - $3s$ $4f$ $^1F_3$	6.7	3.42e+03
Ne VIII	73.4756	$1s^2$ $2p$ $^2P_{1/2}$ - $1s^2$ $4d$ $^2D_{3/2}$	6.7	1.51e+02
Ne VIII	73.5631	$1s^2$ $2p$ $^2P_{3/2}$ - $1s^2$ $4d$ $^2D_{5/2}$	6.7	2.73e+02
Ne IX	74.3485	$1s$ $2s$ $^3S_1$ - $1s$ $3p$ $^3P_2$	6.8	6.17e+02
Ne IX	74.3739	$1s$ $2s$ $^3S_1$ - $1s$ $3p$ $^3P_1$	6.8	3.74e+02
Mg VIII	74.8580	$2s^2$ $2p$ $^2P_{1/2}$ - $2s^2$ $3d$ $^2D_{3/2}$	5.9	3.51e+02
Mg VIII	75.0340	$2s^2$ $2p$ $^2P_{3/2}$ - $2s^2$ $3d$ $^2D_{5/2}$	5.9	6.61e+02

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Ion	λ (Å)	Transition	T_{max}	Int
Fe XV	75.1670	$3p^2\ ^1D_2$ - $3s\ 4p\ ^1P_1$	6.8	3.43e+02
Fe XXII *	75.2773	$2s^2\ 4s\ ^2S_{1/2}$ - $2s^2\ 5p\ ^2P_{1/2}$	7.1	2.76e+02
Fe XXIII *	75.7093	$2s\ 4d\ ^3D_3$ - $2s\ 5f\ ^3F_4$	7.2	1.47e+02
O VIII	75.8404	$2p\ ^2P_{1/2}$ - $4d\ ^2D_{3/2}$	7.1	6.08e+02
O VIII	75.8446	$2s\ ^2S_{1/2}$ - $4p\ ^2P_{3/2}$	7.1	1.47e+03
O VIII	75.8507	$2p\ ^2P_{1/2}$ - $4s\ ^2S_{1/2}$	7.1	6.00e+02
O VIII	75.8554	$2s\ ^2S_{1/2}$ - $4p\ ^2P_{1/2}$	7.1	7.36e+02
O VIII	75.9233	$2p\ ^2P_{3/2}$ - $4d\ ^2D_{5/2}$	7.1	1.09e+03
O VIII	75.9372	$2p\ ^2P_{3/2}$ - $4s\ ^2S_{1/2}$	7.1	1.22e+03
Fe XXIII	76.1968	$2s\ 4p\ ^1P_1$ - $2s\ 5s\ ^1S_0$	7.2	4.16e+02
Fe XVI	76.3270	$3d\ ^2D_{3/2}$ - $4p\ ^2P_{3/2}$	6.8	2.17e+02
Fe XVI	76.4970	$3d\ ^2D_{5/2}$ - $4p\ ^2P_{3/2}$	6.8	1.97e+03
Fe XXIII *	76.7088	$2s\ 4d\ ^1D_2$ - $2s\ 5f\ ^1F_3$	7.2	6.80e+02
Fe XVI	76.7960	$3d\ ^2D_{3/2}$ - $4p\ ^2P_{1/2}$	6.8	1.17e+03
Fe XXII *	77.5291	$2s^2\ 4p\ ^2P_{1/2}$ - $2s^2\ 5d\ ^2D_{3/2}$	7.2	3.17e+02
Fe XXI *	77.5909	$2s^2\ 2p\ 4s\ ^3P_1$ - $2s^2\ 2p\ 5p\ ^3P_0$	7.1	4.97e+02
Mg IX	77.7376	$2s\ 2p\ ^1P_1$ - $2s\ 3s\ ^1S_0$	6.1	4.67e+02
Fe XVIII *	77.8457	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{9/2}$ - $2s\ 2p^5\ (^1P)\ 3d\ ^2F_{7/2}$	6.9	2.34e+02
Fe X	77.8650	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 4d\ ^2D_{5/2}$	6.1	1.94e+02
Zn XXIII	77.9451	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_1$	7.2	2.82e+02
Ni XIX *	78.0781	$2p^5\ 3s\ ^3P_1$ - $2s\ 2p^6\ 3s\ ^1S_0$	7.0	2.11e+03
Ne IX	78.2566	$1s\ 2s\ ^1S_0$ - $1s\ 3p\ ^1P_1$	6.8	1.40e+02
Ni XIX *	78.6465	$2p^5\ 3d\ ^3F_3$ - $2s\ 2p^6\ 3d\ ^1D_2$	7.0	6.65e+02
Fe XIX	78.8894	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^1P_1$	7.0	4.53e+03
Fe XXI *	79.6202	$2s^2\ 2p\ 4p\ ^3D_1$ - $2s^2\ 2p\ 5d\ ^3D_1$	7.1	1.47e+02
Ni XXIII	79.9720	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3S_1$	7.2	1.62e+03
Ni XX *	80.1682	$2s^2\ 2p^4\ (^1D)\ 3d\ ^2G_{9/2}$ - $2s\ 2p^5\ (^1P)\ 3d\ ^2F_{7/2}$	7.1	1.74e+02
Ni XIX *	80.2373	$2p^5\ 3d\ ^3D_3$ - $2s\ 2p^6\ 3d\ ^1D_2$	7.0	9.14e+02
Ni XIX *	80.4393	$2p^5\ 3p\ ^3D_3$ - $2s\ 2p^6\ 3p\ ^3P_2$	7.0	1.79e+02
Ne IX	80.4539	$1s\ 2p\ ^3P_2$ - $1s\ 3s\ ^3S_1$	6.8	1.84e+02
Fe XX	80.4887	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	7.1	2.00e+03
Ni XXII	80.5580	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	7.1	2.38e+02
Fe XXII *	80.9096	$2s^2\ 4d\ ^2D_{3/2}$ - $2s^2\ 5f\ ^2F_{5/2}$	7.2	2.74e+02
Ni XIX *	80.9593	$2p^5\ 3d\ ^3F_4$ - $2s\ 2p^6\ 3d\ ^3D_3$	7.0	2.74e+02
Fe XX *	81.4186	$2s\ 2p^3\ (^1D)\ 3d\ ^2G_{7/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^2F_{7/2}$	7.1	1.77e+02
Fe XXI *	81.4595	$2s^2\ 2p\ 4p\ ^3P_0$ - $2s^2\ 2p\ 5d\ ^3D_1$	7.1	2.91e+02
Ni XIX *	81.5272	$2p^5\ 3d\ ^3F_3$ - $2s\ 2p^6\ 3d\ ^3D_2$	7.0	2.08e+02
Ne IX	81.5769	$1s\ 2p\ ^1P_1$ - $1s\ 3d\ ^1D_2$	6.8	1.79e+02
Ni XXI	81.6895	$2s^2\ 2p^4\ ^1D_2$ - $2s\ 2p^5\ ^1P_1$	7.1	3.12e+03
Ne IX	82.7597	$1s\ 2p\ ^1P_1$ - $1s\ 3s\ ^1S_0$	6.8	4.93e+02
Fe XX *	82.8282	$2s\ 2p^3\ (^3S)\ 3d\ ^4D_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 4d\ ^4F_{5/2}$	7.1	1.49e+02
Fe XV *	82.9810	$3s\ 3d\ ^3D_3$ - $3s\ 4p\ ^3P_2$	6.4	2.37e+02
Ni XX	83.1793	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	7.1	3.84e+04
Fe XX	83.2104	$2s\ 2p^4\ ^4P_{5/2}$ - $2p^5\ ^2P_{3/2}$	7.1	5.21e+02
Fe XX	83.2327	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	7.1	2.27e+03
Fe XXII *	83.3949	$2s\ 2p\ (^3P)\ 4p\ ^2D_{3/2}$ - $2s\ 2p\ (^3P)\ 5s\ ^2P_{1/2}$	7.2	1.57e+02
Si XII	83.6276	$1s^2\ 3s\ ^2S_{1/2}$ - $1s^2\ 5p\ ^2P_{3/2}$	7.0	2.13e+02
Fe XX	83.6688	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^2S_{1/2}$	7.1	3.83e+02
Mg VII	83.7650	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3P_2$	5.8	1.59e+02

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Ion	λ (Å)	Transition	T_{max}	Int
Fe XIX	83.8681	$2s^2\ 2p^4\ ^3P_0$ - $2s\ 2p^5\ ^1P_1$	7.0	4.93e+02
Mg VII	83.9590	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3d\ ^3D_2$	5.8	2.28e+02
Mg VII	84.0250	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3D_3$	5.8	3.56e+02
Ni XXII	84.0700	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	7.1	2.02e+03
Si VI *	84.0740	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^2D_{5/2}$	5.7	1.46e+02
Si VII	84.0817	$2s^2\ 2p^4\ ^1D_2$ - $2s^2\ 2p^3\ (^2D)\ 3s\ ^1D_2$	5.8	1.56e+02
Fe XXI	84.2426	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^1P_1$	7.1	6.32e+02
Ni XXII	84.2510	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2S_{1/2}$	7.1	4.38e+02
Fe XIX	84.8783	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^1P_1$	7.0	3.11e+02
Zn XXIII	85.0178	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_2$	7.2	7.29e+02
Ni XXII	85.0320	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	7.1	1.99e+02
Mg VII	85.4080	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^1F_3$	5.8	2.68e+02
Co XX	86.1880	$2s^2\ 2p^4\ ^1D_2$ - $2s\ 2p^5\ ^1P_1$	7.1	1.44e+02
Mg VIII	86.8450	$2s\ 2p^2\ ^2D_{5/2}$ - $2s\ 2p\ (^3P)\ 3s\ ^2P_{3/2}$	5.9	1.72e+02
Si VII	86.9144	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^4S)\ 3s\ ^5S_2$	5.8	1.43e+02
Fe XIX	86.9990	$2s\ 2p^5\ ^3P_1$ - $2p^6\ ^1S_0$	7.0	1.47e+02
Fe XVII *	87.0899	$2s^2\ 2p^5\ 3p\ ^3S_1$ - $2s\ 2p^6\ 3p\ ^3P_2$	7.2	5.41e+03
Fe XVII	87.3234	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s\ 2p^6\ 3s\ ^1S_0$	7.2	1.42e+07
Ni XX *	87.3657	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{9/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4D_{7/2}$	7.1	2.11e+02
Ni XIX *	87.4526	$2p^5\ 3s\ ^1P_1$ - $2s\ 2p^6\ 3s\ ^1S_0$	7.0	1.00e+03
Ni XXIV	87.4601	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	7.2	8.26e+02
Ni XXIII	87.6690	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3S_1$	7.2	3.84e+03
Fe XVIII	88.0283	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{5/2}$ - $2s\ 2p^5\ (^1P)\ 3s\ ^2P_{3/2}$	6.9	6.99e+02
Ne VIII	88.0817	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{3/2}$	6.7	1.51e+03
Ne VIII	88.1196	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{1/2}$	6.7	7.70e+02
Fe XX	88.1960	$2s\ 2p^4\ ^4P_{3/2}$ - $2p^5\ ^2P_{3/2}$	7.1	2.57e+02
Co XIX	88.3500	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	7.0	1.30e+03
Ni XX *	88.4380	$2s^2\ 2p^4\ (^3P)\ 3d\ ^2F_{7/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^2D_{5/2}$	7.1	1.68e+02
Ni XIX *	88.5344	$2p^5\ 3d\ ^1D_2$ - $2s\ 2p^6\ 3d\ ^1D_2$	7.0	5.52e+02
Si XII	88.5647	$1s^2\ 3p\ ^2P_{3/2}$ - $1s^2\ 5s\ ^2S_{1/2}$	7.0	1.82e+02
Fe XVIII *	88.5878	$2s^2\ 2p^4\ (^1D)\ 3p\ ^2F_{7/2}$ - $2s\ 2p^5\ (^1P)\ 3p\ ^2D_{5/2}$	6.9	2.88e+02
Ni XXIV	88.6114	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	7.2	4.75e+04
S XIV	88.7502	$1s^2\ 3s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{3/2}$	7.1	5.57e+02
Fe XVII *	88.8037	$2s^2\ 2p^5\ 3p\ ^3S_1$ - $2s\ 2p^6\ 3p\ ^3P_0$	7.2	2.56e+04
Fe XVIII *	88.8081	$2s^2\ 2p^4\ (^1D)\ 3d\ ^2F_{5/2}$ - $2s\ 2p^5\ (^1P)\ 3d\ ^2D_{5/2}$	6.9	3.21e+02
Ni XXI	88.8219	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_1$	7.1	1.03e+04
Si XII	88.8369	$1s^2\ 3d\ ^2D_{3/2}$ - $1s^2\ 5f\ ^2F_{5/2}$	7.0	2.16e+02
Si XII	88.8914	$1s^2\ 3d\ ^2D_{5/2}$ - $1s^2\ 5f\ ^2F_{7/2}$	7.0	3.09e+02
S XIV	88.8985	$1s^2\ 3s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{1/2}$	7.1	2.91e+02
Fe XVIII *	88.9046	$2s^2\ 2p^4\ (^1D)\ 3d\ ^2G_{7/2}$ - $2s\ 2p^5\ (^1P)\ 3d\ ^2F_{5/2}$	6.9	8.56e+02
Fe XVIII *	89.0169	$2s^2\ 2p^4\ (^1D)\ 3d\ ^2G_{9/2}$ - $2s\ 2p^5\ (^1P)\ 3d\ ^2F_{7/2}$	6.9	2.18e+03
Fe XVII	89.0563	$2s^2\ 2p^5\ 3d\ ^3P_2$ - $2s\ 2p^6\ 3d\ ^1D_2$	6.9	8.44e+02
Fe XVII *	89.4483	$2s^2\ 2p^5\ 3p\ ^3D_2$ - $2s\ 2p^6\ 3p\ ^3P_2$	7.2	1.18e+03
Fe XVII	89.5923	$2s^2\ 2p^5\ 3d\ ^3F_3$ - $2s\ 2p^6\ 3d\ ^1D_2$	6.9	3.94e+03
Ni XIX *	89.6695	$2p^5\ 3d\ ^1F_3$ - $2s\ 2p^6\ 3d\ ^1D_2$	7.0	6.64e+02
Fe XIX *	89.6716	$2s^2\ 2p^3\ (^2D)\ 3d\ ^3F_4$ - $2s\ 2p^4\ (^2P)\ 3d\ ^3F_4$	7.0	3.28e+02
Fe XVIII *	89.7225	$2s^2\ 2p^4\ (^1D)\ 3d\ ^2F_{7/2}$ - $2s\ 2p^5\ (^1P)\ 3d\ ^2D_{5/2}$	6.9	9.40e+02
Fe XVII *	89.8131	$2s^2\ 2p^5\ 4d\ ^1P_1$ - $2s^2\ 2p^5\ 6p\ ^3P_0$	6.9	1.47e+02
Fe XVII *	89.9199	$2s^2\ 2p^5\ 4d\ ^3D_1$ - $2s^2\ 2p^5\ 6p\ ^1S_0$	6.9	2.18e+02

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Ion	λ (Å)	Transition	T_{max}	Int
Zn XXIV	90.0262	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	7.2	2.56e+02
Fe XIX *	90.0850	$2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_3$ - $2s\ 2p^4\ (^2P)\ 3s\ ^3P_2$	7.0	5.42e+02
Fe XVII *	90.3922	$2s^2\ 2p^5\ 3d\ ^3P_1$ - $2s\ 2p^6\ 3d\ ^3D_1$	6.9	1.78e+02
Fe XXI *	90.4118	$2s^2\ 2p\ 4d\ ^3D_1$ - $2s^2\ 2p\ 5p\ ^3P_0$	7.1	1.66e+02
Fe XVII	90.4284	$2s^2\ 2p^5\ 3p\ ^3S_1$ - $2s\ 2p^6\ 3p\ ^3P_1$	7.2	2.85e+03
Fe XVII *	90.4951	$2s^2\ 2p^5\ 3p\ ^3D_3$ - $2s\ 2p^6\ 3p\ ^3P_2$	7.2	1.18e+05
Fe XVII *	90.5816	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s\ 2p^6\ 3s\ ^3S_1$	7.2	4.09e+07
Fe XX	90.5943	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	7.1	6.02e+03
Fe XIX *	90.6578	$2s^2\ 2p^3\ (^2D)\ 3d\ ^3G_5$ - $2s\ 2p^4\ (^2P)\ 3d\ ^3F_4$	7.0	2.39e+03
Fe X *	90.6830	$3s\ 3p^6\ ^2S_{1/2}$ - $3s\ 3p^5\ (^3P)\ 4s\ ^2P_{3/2}$	6.1	1.56e+02
Fe XVII *	90.7318	$2s^2\ 2p^5\ 4s\ ^1P_1$ - $2s\ 2p^6\ 4s\ ^1S_0$	6.9	7.36e+02
Fe XVII	90.7514	$2s^2\ 2p^5\ 3d\ ^1D_2$ - $2s\ 2p^6\ 3d\ ^1D_2$	6.9	3.12e+03
Fe XIX *	90.8404	$2s^2\ 2p^3\ (^2D)\ 3d\ ^1G_4$ - $2s\ 2p^4\ (^2P)\ 3d\ ^1F_3$	7.0	4.41e+02
Fe XVII *	90.9046	$2s^2\ 2p^5\ 4d\ ^1F_3$ - $2s\ 2p^6\ 4d\ ^1D_2$	6.9	1.47e+02
Fe XIX	91.0128	$2s^2\ 2p^4\ ^1D_2$ - $2s\ 2p^5\ ^1P_1$	7.0	4.83e+04
Fe XVII *	91.1447	$2s^2\ 2p^5\ 5s\ ^1P_1$ - $2s\ 2p^6\ 5s\ ^1S_0$	6.9	2.91e+02
Ni XXII	91.2170	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	7.1	1.85e+02
Fe XXI	91.2678	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3S_1$	7.1	3.39e+04
Fe XVII *	91.3016	$2s^2\ 2p^5\ 3p\ ^1P_1$ - $2s\ 2p^6\ 3p\ ^3P_2$	7.2	4.08e+03
Fe XVII	91.4029	$2s^2\ 2p^5\ 3d\ ^3D_3$ - $2s\ 2p^6\ 3d\ ^1D_2$	6.9	5.45e+03
Fe XVII *	91.4479	$2s^2\ 2p^5\ 3d\ ^3F_4$ - $2s\ 2p^6\ 3d\ ^3D_3$	6.9	2.32e+03
O VII *	91.4488	$1s\ 2s\ ^3S_1$ - $1s\ 4p\ ^3P_2$	6.4	1.53e+02
Fe XVII *	91.5255	$2s^2\ 2p^5\ 4d\ ^3D_3$ - $2s\ 2p^6\ 4d\ ^1D_2$	6.9	1.85e+02
Fe XVII *	91.5535	$2s^2\ 2p^5\ 3d\ ^3P_2$ - $2s\ 2p^6\ 3d\ ^3D_2$	6.9	2.84e+02
Fe XVII	91.7366	$2s^2\ 2p^5\ 3p\ ^1P_1$ - $2s\ 2p^6\ 3p\ ^1P_1$	7.2	5.24e+02
Ni XXIII	91.8690	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	7.2	9.63e+03
Fe XVII *	91.9288	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s\ 2p^6\ 3s\ ^3S_1$	7.2	1.08e+07
Fe XVIII *	91.9888	$2s^2\ 2p^4\ (^1D)\ 3d\ ^2F_{7/2}$ - $2s\ 2p^5\ (^1P)\ 3d\ ^2F_{7/2}$	6.9	3.67e+02
Zn XXIV	92.1610	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	7.2	4.94e+02
Fe XVII *	92.2057	$2s^2\ 2p^5\ 3d\ ^3F_3$ - $2s\ 2p^6\ 3d\ ^3D_2$	6.9	1.37e+03
Fe XIX *	92.3430	$2s^2\ 2p^3\ (^2D)\ 4s\ ^3D_3$ - $2s\ 2p^4\ (^2P)\ 4s\ ^3P_2$	7.0	3.29e+02
Ni XX *	92.5163	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{9/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^2F_{7/2}$	7.1	1.43e+02
Fe XVII *	92.5430	$2s^2\ 2p^5\ 3p\ ^3P_2$ - $2s\ 2p^6\ 3p\ ^3P_2$	7.2	2.98e+04
Co XXII	92.5890	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3S_1$	7.1	2.18e+02
Fe XX	92.6127	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	7.1	2.82e+02
Ni XXIII	92.7160	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3P_1$	7.2	1.56e+03
Fe XVII	92.8316	$2s^2\ 2p^5\ 3p\ ^3D_2$ - $2s\ 2p^6\ 3p\ ^3P_1$	7.2	1.55e+04
Fe XVII	92.9055	$2s^2\ 2p^5\ 3p\ ^3P_2$ - $2s\ 2p^6\ 3p\ ^1P_1$	7.2	6.46e+02
S XIV	93.0624	$1s^2\ 3p\ ^2P_{1/2}$ - $1s^2\ 4d\ ^2D_{3/2}$	7.1	3.29e+02
Fe XVII *	93.1870	$2s^2\ 2p^5\ 3p\ ^1P_1$ - $2s\ 2p^6\ 3p\ ^3P_0$	7.2	2.48e+04
S XIV	93.4005	$1s^2\ 3p\ ^2P_{3/2}$ - $1s^2\ 4d\ ^2D_{5/2}$	7.1	5.95e+02
Fe XVII *	93.5447	$2s^2\ 2p^5\ 3d\ ^1D_2$ - $2s\ 2p^6\ 3d\ ^3D_1$	6.9	6.22e+02
Fe XX	93.7811	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	7.1	4.00e+04
Fe XVIII	93.9322	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	6.9	3.87e+05
Fe X	94.0120	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^1D)\ 4s\ ^2D_{5/2}$	6.1	2.41e+02
Fe XVII *	94.0648	$2s^2\ 2p^5\ 3d\ ^3D_3$ - $2s\ 2p^6\ 3d\ ^3D_3$	6.9	5.46e+02
Fe XVII *	94.2467	$2s^2\ 2p^5\ 3d\ ^3D_3$ - $2s\ 2p^6\ 3d\ ^3D_2$	6.9	1.79e+02
Ni XX	94.4950	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	7.1	1.14e+04
Fe XVII	94.6361	$2s^2\ 2p^5\ 3d\ ^3D_1$ - $2s\ 2p^6\ 3d\ ^1D_2$	6.9	3.96e+02

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Ion	λ (Å)	Transition	T_{max}	Int
Fe XX	94.6432	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2S_{1/2}$	7.1	8.95e+03
Co XX	94.9300	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_1$	7.1	4.91e+02
Co XXIII	95.1710	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	7.2	2.49e+03
Fe XVII	95.2625	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s\ 2p^6\ 3s\ ^1S_0$	7.2	8.27e+06
S XIV	95.3863	$1s^2\ 3d\ ^2D_{3/2}$ - $1s^2\ 4f\ ^2F_{5/2}$	7.1	6.32e+02
Fe XX *	95.4020	$2s^2\ 2p^2\ (^3P)\ 3s\ ^4P_{3/2}$ - $2s\ 2p^3\ (^3S)\ 3s\ ^4S_{3/2}$	7.1	1.48e+02
Mg VI	95.4829	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4P_{5/2}$	5.7	1.84e+02
S XIV	95.4884	$1s^2\ 3d\ ^2D_{5/2}$ - $1s^2\ 4f\ ^2F_{7/2}$	7.1	8.99e+02
Si VI	95.5548	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{5/2}$	5.7	3.41e+02
Si XIV	95.7112	$3p\ ^2P_{3/2}$ - $4s\ ^2S_{1/2}$	7.2	1.53e+02
Ni XXI	95.8637	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_2$	7.1	2.98e+04
Fe XX	95.9207	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	7.1	1.34e+03
Ni XXII	95.9810	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2S_{1/2}$	7.1	3.02e+02
Fe XVII	96.0662	$2s^2\ 2p^5\ 3p\ ^3P_2$ - $2s\ 2p^6\ 3p\ ^3P_1$	7.2	6.65e+02
Fe X	96.1210	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 4s\ ^2P_{3/2}$	6.1	3.23e+02
Mn XVIII	96.2398	$2s^2\ 2p^4\ ^1D_2$ - $2s\ 2p^5\ ^1P_1$	6.9	2.39e+02
S XIV	96.3690	$1s^2\ 3p\ ^2P_{1/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.1	2.86e+02
Si V	96.4400	$2p^6\ ^1S_0$ - $2p^5\ 3d\ ^1P_1$	5.6	1.84e+02
Fe XIX *	96.4886	$2s^2\ 2p^3\ (^4S)\ 4p\ ^3P_2$ - $2s^2\ 2p^3\ (^4S)\ 5d\ ^3D_3$	7.0	1.63e+02
Si VI	96.4912	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{3/2}$	5.7	1.94e+02
S XIV	96.7915	$1s^2\ 3p\ ^2P_{3/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.1	5.82e+02
Ni XXI	96.8029	$2s^2\ 2p^4\ ^3P_0$ - $2s\ 2p^5\ ^3P_1$	7.1	4.32e+03
Co XXII	96.8840	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	7.1	5.21e+02
Ni XXI	97.1253	$2s^2\ 2p^4\ ^1S_0$ - $2s\ 2p^5\ ^1P_1$	7.1	1.85e+02
Fe XVIII	97.2269	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s\ 2p^5\ (^3P)\ 3s\ ^2P_{3/2}$	6.9	2.73e+02
Mg VI	97.2781	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^1D)\ 3d\ ^2F_{7/2}$	5.7	1.52e+02
Fe XVII *	97.3208	$2s^2\ 2p^5\ 3d\ ^3F_2$ - $2s\ 2p^6\ 3d\ ^1D_2$	6.9	1.42e+03
Zn XXV	97.4170	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	7.2	1.04e+03
Ne VII	97.4960	$2s^2\ ^1S_0$ - $2s\ 3p\ ^1P_1$	5.8	3.79e+02
Mn XX	97.5070	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3S_1$	7.1	2.89e+02
Fe XXI	97.8641	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3S_1$	7.1	8.45e+04
Fe XVII *	97.9392	$2s^2\ 2p^5\ 3d\ ^3D_1$ - $2s\ 2p^6\ 3d\ ^3D_1$	6.9	2.03e+02
Fe XVII *	97.9394	$2s^2\ 2p^5\ 3d\ ^3D_2$ - $2s\ 2p^6\ 3d\ ^1D_2$	6.9	1.52e+03
Fe XVII *	98.0517	$2s^2\ 2p^5\ 3p\ ^3D_1$ - $2s\ 2p^6\ 3p\ ^3P_2$	7.2	7.17e+02
Fe XX	98.0735	$2s\ 2p^4\ ^2D_{3/2}$ - $2p^5\ ^2P_{1/2}$	7.1	2.42e+03
Ne VIII	98.1156	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	6.7	1.05e+03
Ni XXII	98.1810	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	7.1	2.05e+03
Ne VI	98.2570	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 4d\ ^2D_{5/2}$	5.7	2.01e+02
Ne VIII	98.2601	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{5/2}$	6.7	1.88e+03
Ne VIII	98.2746	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	6.7	2.09e+02
Fe XVII *	98.3234	$2s^2\ 2p^5\ 3p\ ^3P_0$ - $2s\ 2p^6\ 3p\ ^3P_1$	7.2	1.53e+03
Fe XX	98.3552	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	7.1	6.50e+03
Fe XXI	98.3931	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1P_1$	7.1	7.49e+03
Fe XVII *	98.9080	$2s^2\ 2p^5\ 3p\ ^3P_1$ - $2s\ 2p^6\ 3p\ ^1P_1$	7.2	1.97e+02
Co XIX	99.0200	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	7.0	4.05e+02
Fe XXI	99.0216	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^1D_2$	7.1	1.60e+03
Mn XIX	99.1680	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	7.0	1.51e+02
Si VI	99.4596	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$	5.7	3.68e+02
Fe XVIII *	99.5649	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{9/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4D_{7/2}$	6.9	1.99e+03

Ion	λ (Å)	Transition	T_{max}	Int
Fe XVIII *	99.5980	$2s^2\,2p^4\,(^3P)\,4s\,^2P_{3/2}$ - $2s^2\,2p^4\,(^3P)\,5p\,^2P_{3/2}$	6.9	4.97e+02
Fe XVII	99.6054	$2s^2\,2p^5\,3d\,^1F_3$ - $2s\,2p^6\,3d\,^1D_2$	6.9	4.14e+03
Fe XX *	99.6386	$2s^2\,2p^2\,(^3P)\,3s\,^4P_{5/2}$ - $2s\,2p^3\,(^3S)\,3s\,^4S_{3/2}$	7.1	3.14e+02
Fe XVII *	99.7380	$2s^2\,2p^5\,4s\,^3P_1$ - $2s\,2p^6\,4s\,^1S_0$	6.9	3.51e+02
Fe XVIII	99.7534	$2s^2\,2p^4\,(^3P)\,3s\,^2P_{3/2}$ - $2s\,2p^5\,(^3P)\,3s\,^2P_{3/2}$	6.9	2.59e+02
Fe XVII *	99.7683	$2s^2\,2p^5\,3s\,^3P_0$ - $2s\,2p^6\,3s\,^3S_1$	7.2	5.68e+06
Fe XVII *	99.8605	$2s^2\,2p^5\,3p\,^3D_1$ - $2s\,2p^6\,3p\,^3P_1$	7.2	4.36e+03
Mn XVII	100.0000	$2s^2\,2p^5\,^2P_{3/2}$ - $2s\,2p^6\,^2S_{1/2}$	6.9	2.01e+03
Ni XXII	100.1310	$2s^2\,2p^3\,^2P_{3/2}$ - $2s\,2p^4\,^2P_{3/2}$	7.1	1.47e+02
Fe XVII *	100.2296	$2s^2\,2p^5\,3p\,^3D_1$ - $2s\,2p^6\,3p\,^3P_0$	7.2	1.73e+04
Ni XXI	100.2448	$2s^2\,2p^4\,^3P_1$ - $2s\,2p^5\,^3P_1$	7.1	3.12e+03
Zn XXIII	100.2756	$2s^2\,2p^4\,^3P_1$ - $2s\,2p^5\,^3P_2$	7.2	1.45e+02
Fe XVII *	100.5203	$2s^2\,2p^5\,3p\,^3P_1$ - $2s\,2p^6\,3p\,^3P_2$	7.2	1.60e+04
Fe XVIII *	100.6130	$2s^2\,2p^4\,(^3P)\,3d\,^2F_{7/2}$ - $2s\,2p^5\,(^3P)\,3d\,^4D_{7/2}$	6.9	5.33e+02
Si VI	100.6405	$2s^2\,2p^5\,^2P_{3/2}$ - $2s^2\,2p^4\,(^3P)\,3s\,^4P_{3/2}$	5.7	2.21e+02
Fe XVIII *	100.7230	$2s^2\,2p^4\,(^3P)\,3d\,^2F_{7/2}$ - $2s\,2p^5\,(^3P)\,3d\,^2D_{5/2}$	6.9	7.57e+02
Fe XVIII *	100.7353	$2s^2\,2p^4\,(^3P)\,3d\,^2F_{7/2}$ - $2s\,2p^5\,(^3P)\,3d\,^4D_{5/2}$	6.9	1.13e+03
Fe XXII	100.7747	$2s^2\,2p\,^2P_{1/2}$ - $2s\,2p^2\,^2P_{3/2}$	7.1	2.40e+04
Fe XVII *	100.8087	$2s^2\,2p^5\,3s\,^3P_1$ - $2s\,2p^6\,3s\,^3S_1$	7.2	8.72e+06
Fe XVII *	100.8471	$2s^2\,2p^5\,3p\,^1D_2$ - $2s\,2p^6\,3p\,^3P_2$	7.2	2.50e+04
Fe XVIII *	100.8945	$2s^2\,2p^4\,(^3P)\,4s\,^2P_{1/2}$ - $2s^2\,2p^4\,(^3P)\,5p\,^2D_{3/2}$	6.9	1.91e+02
Si VI	100.9532	$2s^2\,2p^5\,^2P_{3/2}$ - $2s^2\,2p^4\,(^3P)\,3s\,^4P_{5/2}$	5.7	3.87e+02
Fe XVII	101.3924	$2s^2\,2p^5\,3p\,^1D_2$ - $2s\,2p^6\,3p\,^1P_1$	7.2	4.87e+02
Fe XIX	101.5498	$2s^2\,2p^4\,^3P_2$ - $2s\,2p^5\,^3P_1$	7.0	1.54e+05
Fe XVIII *	101.6592	$2s^2\,2p^4\,(^3P)\,3d\,^4D_{7/2}$ - $2s\,2p^5\,(^3P)\,3d\,^2F_{7/2}$	6.9	2.79e+02
Fe XVII *	101.7306	$2s^2\,2p^5\,3d\,^3F_2$ - $2s\,2p^6\,3d\,^3D_2$	6.9	2.80e+02
Fe XVIII *	101.7426	$2s^2\,2p^4\,(^1S)\,3d\,^2D_{5/2}$ - $2s\,2p^5\,(^1P)\,3d\,^2D_{5/2}$	6.9	1.85e+02
Fe XX	101.8189	$2s^2\,2p^3\,^2P_{1/2}$ - $2s\,2p^4\,^2P_{3/2}$	7.1	3.35e+03
Fe XVII *	101.8459	$2s^2\,2p^5\,3d\,^3F_2$ - $2s\,2p^6\,3d\,^3D_1$	6.9	3.34e+02
Co XX	101.8810	$2s^2\,2p^4\,^3P_2$ - $2s\,2p^5\,^3P_2$	7.1	1.47e+03
Cr XVII	101.9289	$2s^2\,2p^4\,^1D_2$ - $2s\,2p^5\,^1P_1$	6.9	2.67e+02
Ni XXIV	102.1029	$2s^2\,2p\,^2P_{3/2}$ - $2s\,2p^2\,^2P_{3/2}$	7.2	5.52e+03
Fe XVII *	102.1919	$2s^2\,2p^5\,3d\,^3D_2$ - $2s\,2p^6\,3d\,^3D_3$	6.9	1.95e+02
Fe XXII	102.2133	$2s^2\,2p\,^2P_{1/2}$ - $2s\,2p^2\,^2S_{1/2}$	7.1	2.56e+03
Fe XXI	102.2172	$2s^2\,2p^2\,^3P_2$ - $2s\,2p^3\,^3S_1$	7.1	1.93e+05
O VIII	102.3478	$2p\,^2P_{1/2}$ - $3d\,^2D_{3/2}$	7.1	1.38e+03
O VIII	102.3554	$2s\,^2S_{1/2}$ - $3p\,^2P_{3/2}$	7.1	3.09e+03
O VIII	102.3921	$2p\,^2P_{1/2}$ - $3s\,^2S_{1/2}$	7.1	2.27e+03
O VIII	102.4021	$2s\,^2S_{1/2}$ - $3p\,^2P_{1/2}$	7.1	1.55e+03
Fe XVII *	102.4221	$2s^2\,2p^5\,3p\,^3P_1$ - $2s\,2p^6\,3p\,^3P_1$	7.2	3.30e+02
O VIII	102.4899	$2p\,^2P_{3/2}$ - $3d\,^2D_{5/2}$	7.1	2.48e+03
O VIII	102.5054	$2p\,^2P_{3/2}$ - $3d\,^2D_{3/2}$	7.1	2.75e+02
Fe XVIII	102.5208	$2s^2\,2p^4\,(^3P)\,3s\,^4P_{5/2}$ - $2s\,2p^5\,(^3P)\,3s\,^4P_{3/2}$	6.9	3.15e+02
O VIII	102.5498	$2p\,^2P_{3/2}$ - $3s\,^2S_{1/2}$	7.1	4.58e+03
Fe XVII *	102.6721	$2s^2\,2p^5\,3d\,^1F_3$ - $2s\,2p^6\,3d\,^3D_3$	6.9	4.40e+02
Fe XVII *	102.8104	$2s^2\,2p^5\,3p\,^3P_1$ - $2s\,2p^6\,3p\,^3P_0$	7.2	1.15e+03
Fe XVII *	102.8889	$2s^2\,2p^5\,3d\,^1F_3$ - $2s\,2p^6\,3d\,^3D_2$	6.9	1.48e+02
Ne VIII	102.9107	$1s^2\,2p\,^2P_{1/2}$ - $1s^2\,3s\,^2S_{1/2}$	6.7	5.06e+02
Ne VIII	103.0857	$1s^2\,2p\,^2P_{3/2}$ - $1s^2\,3s\,^2S_{1/2}$	6.7	1.02e+03

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Ion	λ (Å)	Transition	T_{max}	Int
Fe XVIII *	103.1405	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{5/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4F_{5/2}$	6.9	1.83e+02
Co XX	103.1550	$2s^2\ 2p^4\ ^3P_0$ - $2s\ 2p^5\ ^3P_1$	7.1	2.18e+02
Ni XXIII	103.2220	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_1$	7.2	7.11e+03
Fe XVIII *	103.3031	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{7/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4F_{5/2}$	6.9	4.42e+02
Ni XXII	103.3090	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	7.1	1.26e+04
Fe XIX *	103.3734	$2s^2\ 2p^3\ (^2P)\ 3d\ ^3F_4$ - $2s\ 2p^4\ (^2P)\ 3d\ ^3F_4$	7.0	2.16e+02
Mn XX	103.5370	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3S_1$	7.1	7.32e+02
Fe IX	103.5660	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 4s\ ^1P_1$	5.9	5.57e+02
Fe XVII *	103.6509	$2s^2\ 2p^5\ 4s\ ^1P_1$ - $2s^2\ 2p^5\ 5p\ ^1S_0$	6.9	3.64e+02
Ni XXIV	103.6755	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	7.2	4.86e+02
Fe XXI	103.7596	$2s\ 2p^3\ ^3D_1$ - $2p^4\ ^3P_1$	7.1	1.76e+02
Fe XXI	103.8331	$2s\ 2p^3\ ^3D_2$ - $2p^4\ ^3P_1$	7.1	2.61e+02
Fe XVIII	103.9480	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	6.9	1.28e+05
Fe XVIII *	103.9852	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4D_{5/2}$	6.9	2.59e+02
Cr XIX	104.2120	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3S_1$	7.0	4.58e+02
Fe XXI	104.2722	$2s\ 2p^3\ ^3D_1$ - $2p^4\ ^3P_0$	7.1	8.91e+02
Fe XVIII *	104.3241	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{9/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^2F_{7/2}$	6.9	1.55e+03
Zn XXIV	104.5429	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	7.2	4.80e+02
Fe XVII *	104.5584	$2s^2\ 2p^5\ 4s\ ^3P_1$ - $2s^2\ 2p^5\ 5p\ ^3P_0$	6.9	2.52e+02
Zn XXVII	104.6740	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	7.4	2.01e+03
Fe XVIII *	104.9671	$2s^2\ 2p^4\ (^3P)\ 3d\ ^2F_{5/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4D_{5/2}$	6.9	5.58e+02
Cr XVIII	104.9850	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	6.9	1.73e+02
Fe XVII	105.1687	$2s^2\ 2p^5\ 3p\ ^1D_2$ - $2s\ 2p^6\ 3p\ ^3P_1$	7.2	2.03e+02
Fe IX	105.2080	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 4s\ ^3P_1$	5.9	3.26e+02
Fe XVIII	105.3339	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3s\ ^4P_{3/2}$	6.9	1.71e+02
Fe XVIII	105.3383	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{1/2}$ - $2s\ 2p^5\ (^3P)\ 3s\ ^2P_{3/2}$	6.9	1.94e+02
Fe XVII	105.3859	$2s^2\ 2p^5\ 3d\ ^1P_1$ - $2s\ 2p^6\ 3d\ ^1D_2$	6.9	8.11e+02
Fe XVIII *	105.4754	$2s^2\ 2p^4\ (^3P)\ 3d\ ^2F_{7/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^2F_{7/2}$	6.9	9.40e+02
Fe XVIII *	105.5546	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{7/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4F_{7/2}$	6.9	4.51e+02
Si XIII	105.6307	$1s\ 3s\ ^3S_1$ - $1s\ 4p\ ^3P_2$	7.1	1.71e+02
Co XX	105.7210	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_1$	7.1	1.63e+02
Fe XVIII *	105.8316	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{5/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4P_{5/2}$	6.9	1.74e+02
Fe XVIII *	105.9874	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s\ 2p^5\ (^3P)\ 3s\ ^4P_{5/2}$	6.9	1.08e+03
Fe XVIII *	106.0028	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{7/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4P_{5/2}$	6.9	3.69e+02
Ni XXII	106.0450	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	7.1	2.43e+04
Fe XIX	106.1055	$2s^2\ 2p^4\ ^1S_0$ - $2s\ 2p^5\ ^1P_1$	7.0	2.94e+03
Ne VII	106.1900	$2s\ 2p\ ^3P_2$ - $2s\ 3d\ ^3D_3$	5.8	3.32e+02
Fe XIX	106.3177	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_0$	7.0	2.96e+03
Cr XVI	106.6170	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	6.8	2.06e+03
Fe XXII	106.8397	$2s\ 2p^2\ ^4P_{3/2}$ - $2p^3\ ^2D_{3/2}$	7.1	4.58e+02
Fe XX	106.9617	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2S_{1/2}$	7.1	6.53e+03
Fe XVIII	107.2245	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3s\ ^2P_{3/2}$	6.9	3.81e+02
Fe XVIII *	107.2351	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{7/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^4D_{7/2}$	6.9	1.08e+03
Fe XVIII *	107.2485	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{5/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4D_{7/2}$	6.9	3.31e+02
Fe XVIII *	107.3734	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{5/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^2D_{5/2}$	6.9	2.10e+02
Fe XVIII *	107.3874	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{5/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4D_{5/2}$	6.9	3.61e+02
Fe XVIII *	107.3922	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{3/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^4S_{3/2}$	6.9	3.17e+02
Fe XVIII *	107.6622	$2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{5/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4P_{3/2}$	6.9	2.04e+02
Fe XVIII *	107.8196	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{5/2}$ - $2s\ 2p^5\ (^3P)\ 3p\ ^4S_{3/2}$	6.9	2.00e+02

Ion	λ (Å)	Transition	T_{max}	Int
Fe VIII	107.8680	$3p^6$ 3d $^2D_{3/2}$ - $3p^6$ 5f $^2F_{5/2}$	5.7	2.31e+02
Mn XX	107.9030	$2s^2$ $2p^2$ $^3P_2$ - 2s $2p^3$ $^3S_1$	7.1	1.60e+03
Co XXIII	108.0640	$2s^2$ 2p $^2P_{3/2}$ - 2s $2p^2$ $^2P_{3/2}$	7.2	3.53e+02
Fe VIII	108.0770	$3p^6$ 3d $^2D_{5/2}$ - $3p^6$ 5f $^2F_{7/2}$	5.7	2.41e+02
Fe XIX *	108.0894	$2s^2$ $2p^3$ (^{2}D) 3d $^3F_4$ - 2s $2p^4$ (^{2}D) 3d $^3F_4$	7.0	2.75e+02
Fe XXI	108.1177	$2s^2$ $2p^2$ $^3P_0$ - 2s $2p^3$ $^3P_1$	7.1	4.53e+04
Mn XXI	108.1510	$2s^2$ 2p $^2P_{1/2}$ - 2s $2p^2$ $^2P_{3/2}$	7.1	2.14e+02
Fe XIX	108.3555	$2s^2$ $2p^4$ $^3P_2$ - 2s $2p^5$ $^3P_2$	7.0	4.55e+05
Fe XVIII *	108.5080	$2s^2$ $2p^4$ (^{3}P) 3d $^4F_{7/2}$ - 2s $2p^5$ (^{3}P) 3d $^4D_{7/2}$	6.9	7.59e+02
Fe XVIII *	108.6501	$2s^2$ $2p^4$ (^{3}P) 3d $^4F_{7/2}$ - 2s $2p^5$ (^{3}P) 3d $^4D_{5/2}$	6.9	7.19e+02
Mn XVIII	108.7531	$2s^2$ $2p^4$ $^3P_2$ - 2s $2p^5$ $^3P_1$	6.9	8.94e+02
Fe XX	108.8028	$2s^2$ $2p^3$ $^2P_{3/2}$ - 2s $2p^4$ $^2P_{3/2}$	7.1	3.34e+03
Fe XVIII *	109.0211	$2s^2$ $2p^4$ (^{3}P) 3d $^2D_{3/2}$ - 2s $2p^5$ (^{3}P) 3d $^2D_{5/2}$	6.9	1.47e+02
Ni XXIII	109.0950	$2s^2$ $2p^2$ $^3P_2$ - 2s $2p^3$ $^3P_1$	7.2	8.34e+02
Fe XVIII *	109.2109	$2s^2$ $2p^4$ (^{3}P) 3s $^2P_{3/2}$ - 2s $2p^5$ (^{3}P) 3s $^4P_{5/2}$	6.9	1.48e+02
Ni XXI	109.3065	$2s^2$ $2p^4$ $^3P_1$ - 2s $2p^5$ $^3P_2$	7.1	6.62e+03
Mn XVII	109.3650	$2s^2$ $2p^5$ $^2P_{1/2}$ - 2s $2p^6$ $^2S_{1/2}$	6.9	7.08e+02
Fe XXII	109.5000	2s $2p^2$ $^4P_{5/2}$ - $2p^3$ $^2D_{5/2}$	7.1	2.80e+02
Fe XVIII *	109.6062	$2s^2$ $2p^4$ (^{3}P) 3d $^4F_{9/2}$ - 2s $2p^5$ (^{3}P) 3d $^4F_{9/2}$	6.9	9.69e+02
Fe XX	109.6458	2s $2p^4$ $^2D_{3/2}$ - $2p^5$ $^2P_{3/2}$	7.1	2.23e+03
Fe XVIII *	109.6748	$2s^2$ $2p^4$ (^{3}P) 3d $^2F_{7/2}$ - 2s $2p^5$ (^{3}P) 3d $^4F_{7/2}$	6.9	4.49e+02
Cr XIX	109.6770	$2s^2$ $2p^2$ $^3P_1$ - 2s $2p^3$ $^3S_1$	7.0	1.19e+03
Fe XIX *	109.7228	$2s^2$ $2p^3$ (^{2}D) 3d $^1G_4$ - 2s $2p^4$ (^{2}D) 3d $^3F_4$	7.0	1.42e+02
Mn XXI	109.7940	$2s^2$ 2p $^2P_{1/2}$ - 2s $2p^2$ $^2P_{1/2}$	7.1	7.36e+03
Fe XIX	109.9519	$2s^2$ $2p^4$ $^3P_0$ - 2s $2p^5$ $^3P_1$	7.0	7.23e+04
Co XXII	110.0960	$2s^2$ $2p^2$ $^3P_1$ - 2s $2p^3$ $^3P_1$	7.1	3.87e+02
Fe XVIII *	110.1241	$2s^2$ $2p^4$ (^{3}P) 3d $^2F_{5/2}$ - 2s $2p^5$ (^{3}P) 3d $^2F_{7/2}$	6.9	2.20e+02
Fe XIX *	110.5222	$2s^2$ $2p^3$ (^{2}D) 3d $^3G_4$ - 2s $2p^4$ (^{2}D) 3d $^3G_4$	7.0	2.48e+02
Fe XX	110.6269	$2s^2$ $2p^3$ $^2D_{3/2}$ - 2s $2p^4$ $^2D_{3/2}$	7.1	2.96e+04
Co XXI	110.7110	$2s^2$ $2p^3$ $^4S_{3/2}$ - 2s $2p^4$ $^4P_{1/2}$	7.1	6.31e+02
Fe XVIII *	110.9658	$2s^2$ $2p^4$ (^{3}P) 3d $^4P_{5/2}$ - 2s $2p^5$ (^{3}P) 3d $^4D_{7/2}$	6.9	1.59e+02
Fe XVIII *	111.0996	$2s^2$ $2p^4$ (^{3}P) 3d $^4P_{5/2}$ - 2s $2p^5$ (^{3}P) 3d $^2D_{5/2}$	6.9	1.99e+02
Fe XVII *	111.3816	2s $2p^6$ 4p $^1P_1$ - 2s $2p^6$ 5d $^1D_2$	6.9	2.18e+02
Mg VI	111.5526	$2s^2$ $2p^3$ $^4S_{3/2}$ - $2s^2$ $2p^2$ (^{3}P) 3s $^4P_{5/2}$	5.7	1.50e+02
Fe XX	111.5790	2s $2p^4$ $^2D_{5/2}$ - $2p^5$ $^2P_{3/2}$	7.1	5.38e+03
Fe XVIII	111.5807	$2s^2$ $2p^4$ (^{3}P) 3s $^4P_{1/2}$ - 2s $2p^5$ (^{3}P) 3s $^4P_{3/2}$	6.9	1.70e+02
Fe XIX	111.6947	$2s^2$ $2p^4$ $^3P_1$ - 2s $2p^5$ $^3P_1$	7.0	5.56e+04
Fe XVII *	111.7078	$2s^2$ $2p^5$ 4p $^3D_3$ - $2s^2$ $2p^5$ 5d $^3F_4$	6.9	1.61e+02
Ni XXIII	111.8290	$2s^2$ $2p^2$ $^3P_0$ - 2s $2p^3$ $^3D_1$	7.2	5.72e+04
Fe XVIII *	112.0558	$2s^2$ $2p^4$ (^{3}P) 3d $^2F_{5/2}$ - 2s $2p^5$ (^{3}P) 3d $^4F_{5/2}$	6.9	2.15e+02
Fe XXII	112.2034	2s $2p^2$ $^2D_{3/2}$ - $2p^3$ $^2P_{3/2}$	7.1	1.97e+02
Fe XXI	112.4662	$2s^2$ $2p^2$ $^1S_0$ - 2s $2p^3$ $^1P_1$	7.1	1.70e+03
Si XIII	112.4722	1s 3p $^1P_1$ - 1s 4s $^1S_0$	7.1	1.52e+02
Fe XVIII *	112.7910	$2s^2$ $2p^4$ (^{3}P) 3d $^4F_{5/2}$ - 2s $2p^5$ (^{3}P) 3d $^2F_{7/2}$	6.9	1.87e+02
Fe XXI	113.2913	$2s^2$ $2p^2$ $^1D_2$ - 2s $2p^3$ $^1D_2$	7.1	8.07e+03
Fe XX	113.3490	$2s^2$ $2p^3$ $^2D_{5/2}$ - 2s $2p^4$ $^2D_{5/2}$	7.1	2.07e+04
Fe XVII	113.5573	$2s^2$ $2p^5$ 3p $^1S_0$ - 2s $2p^6$ 3p $^1P_1$	7.2	2.12e+02
Co XXI	113.6870	$2s^2$ $2p^3$ $^4S_{3/2}$ - 2s $2p^4$ $^4P_{3/2}$	7.1	1.21e+03
Fe XVIII *	114.0037	$2s^2$ $2p^4$ (^{3}P) 3d $^2D_{5/2}$ - 2s $2p^5$ (^{3}P) 3d $^4D_{7/2}$	6.9	2.27e+02

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Ion	λ (Å)	Transition	T_{max}	Int
Cr XIX	114.0100	$2s^2\,2p^2\,^3P_2$ - $2s\,2p^3\,^3S_1$	7.0	2.48e+03
Fe XVIII *	114.1849	$2s^2\,2p^4\,(^3P)\,3d\,^4F_{7/2}$ - $2s\,2p^5\,(^3P)\,3d\,^2F_{7/2}$	6.9	3.82e+02
Fe XXII	114.4101	$2s^2\,2p\,^2P_{3/2}$ - $2s\,2p^2\,^2P_{3/2}$	7.1	1.50e+05
Co XX	114.4150	$2s^2\,2p^4\,^3P_1$ - $2s\,2p^5\,^3P_2$	7.1	3.41e+02
Fe XX	114.6957	$2s^2\,2p^3\,^2P_{3/2}$ - $2s\,2p^4\,^2S_{1/2}$	7.1	3.75e+02
Fe XVIII *	114.8183	$2s^2\,2p^4\,(^3P)\,3d\,^4F_{5/2}$ - $2s\,2p^5\,(^3P)\,3d\,^4F_{5/2}$	6.9	3.19e+02
Fe XXI	114.9792	$2s\,2p^3\,^3D_1$ - $2p^4\,^3P_2$	7.1	1.50e+02
Fe XXI	115.0695	$2s\,2p^3\,^3D_2$ - $2p^4\,^3P_2$	7.1	5.95e+02
Fe XXI	115.1396	$2s^2\,2p^2\,^3P_1$ - $2s\,2p^3\,^3P_2$	7.1	3.51e+02
Fe XXII	115.1472	$2s\,2p^2\,^2D_{5/2}$ - $2p^3\,^2P_{3/2}$	7.1	5.51e+02
Cr XVI	115.3340	$2s^2\,2p^5\,^2P_{1/2}$ - $2s\,2p^6\,^2S_{1/2}$	6.8	7.38e+02
Mn XVIII	115.3653	$2s^2\,2p^4\,^3P_2$ - $2s\,2p^5\,^3P_2$	6.9	2.77e+03
Fe XIX	115.3964	$2s\,2p^5\,^1P_1$ - $2p^6\,^1S_0$	7.0	1.55e+03
O VI	115.8217	$1s^2\,2s\,^2S_{1/2}$ - $1s^2\,4p\,^2P_{3/2}$	5.5	2.59e+02
Cr XX	116.0780	$2s^2\,2p\,^2P_{1/2}$ - $2s\,2p^2\,^2P_{3/2}$	7.1	3.79e+02
Fe XXII	116.2678	$2s^2\,2p\,^2P_{3/2}$ - $2s\,2p^2\,^2S_{1/2}$	7.1	3.63e+04
Cr XVII	116.5987	$2s^2\,2p^4\,^3P_2$ - $2s\,2p^5\,^3P_1$	6.9	1.16e+03
Ne VII	116.6930	$2s\,2p\,^1P_1$ - $2s\,3d\,^1D_2$	5.8	5.87e+02
Mn XX	116.7050	$2s^2\,2p^2\,^3P_0$ - $2s\,2p^3\,^3P_1$	7.1	3.81e+02
Fe XVIII *	116.9099	$2s^2\,2p^4\,(^3P)\,3d\,^4P_{5/2}$ - $2s\,2p^5\,(^3P)\,3d\,^2F_{7/2}$	6.9	2.59e+02
Fe XXII	117.1543	$2s^2\,2p\,^2P_{1/2}$ - $2s\,2p^2\,^2P_{1/2}$	7.1	7.93e+05
Mn XVIII	117.2320	$2s^2\,2p^4\,^3P_0$ - $2s\,2p^5\,^3P_1$	6.9	4.45e+02
Fe XXII	117.4898	$2s\,2p^2\,^4P_{1/2}$ - $2p^3\,^4S_{3/2}$	7.1	4.81e+02
Fe XXI	117.4938	$2s^2\,2p^2\,^1D_2$ - $2s\,2p^3\,^3S_1$	7.1	8.53e+02
Fe XXI	117.4996	$2s^2\,2p^2\,^3P_1$ - $2s\,2p^3\,^3P_1$	7.1	1.54e+05
Fe XVIII *	117.8528	$2s^2\,2p^4\,(^3P)\,3s\,^4P_{3/2}$ - $2s\,2p^5\,(^3P)\,3s\,^4P_{5/2}$	6.9	2.30e+02
Si V	117.8540	$2p^6\,^1S_0$ - $2p^5\,3s\,^1P_1$	5.5	7.17e+02
Ni XXII	117.9180	$2s^2\,2p^3\,^4S_{3/2}$ - $2s\,2p^4\,^4P_{5/2}$	7.1	2.81e+04
Ni XXV	117.9395	$2s^2\,^1S_0$ - $2s\,2p\,^1P_1$	7.2	1.09e+05
Fe XIX *	117.9434	$2s^2\,2p^3\,(^4S)\,3d\,^5D_4$ - $2s\,2p^4\,(^4P)\,3d\,^3F_4$	7.0	1.07e+03
Cr XX	117.9580	$2s^2\,2p\,^2P_{1/2}$ - $2s\,2p^2\,^2P_{1/2}$	7.1	1.14e+04
Fe XVIII *	117.9744	$2s^2\,2p^4\,(^3P)\,3p\,^4D_{5/2}$ - $2s\,2p^5\,(^3P)\,3p\,^4D_{7/2}$	6.9	2.02e+02
Mn XVIII	118.2432	$2s^2\,2p^4\,^3P_1$ - $2s\,2p^5\,^3P_1$	6.9	3.47e+02
Fe XVII	118.3154	$2s^2\,2p^5\,3p\,^1S_0$ - $2s\,2p^6\,3p\,^3P_1$	7.2	5.59e+02
Ni XXIV	118.4739	$2s^2\,2p\,^2P_{1/2}$ - $2s\,2p^2\,^2D_{3/2}$	7.2	3.77e+04
Fe XXI	118.6444	$2s\,2p^3\,^3D_3$ - $2p^4\,^3P_2$	7.1	1.23e+03
Fe XX	118.6801	$2s^2\,2p^3\,^4S_{3/2}$ - $2s\,2p^4\,^4P_{1/2}$	7.1	2.04e+05
Fe XXI	118.6972	$2s^2\,2p^2\,^3P_1$ - $2s\,2p^3\,^3P_0$	7.1	2.60e+03
Si V	118.9640	$2p^6\,^1S_0$ - $2p^5\,3s\,^3P_1$	5.5	3.88e+02
Fe XVIII *	119.1227	$2s^2\,2p^4\,(^3P)\,3d\,^4F_{7/2}$ - $2s\,2p^5\,(^3P)\,3d\,^4F_{7/2}$	6.9	1.48e+02
Fe XVIII *	119.3031	$2s^2\,2p^4\,(^3P)\,4p\,^4D_{1/2}$ - $2s^2\,2p^4\,(^3P)\,5s\,^4P_{1/2}$	6.9	3.20e+02
Si XII	119.6632	$1s^2\,3s\,^2S_{1/2}$ - $1s^2\,4p\,^2P_{3/2}$	7.0	4.51e+02
Si XII	119.8210	$1s^2\,3s\,^2S_{1/2}$ - $1s^2\,4p\,^2P_{1/2}$	7.0	2.33e+02
Co XXII	119.9400	$2s^2\,2p^2\,^3P_0$ - $2s\,2p^3\,^3D_1$	7.1	2.74e+03
Fe XIX	119.9836	$2s^2\,2p^4\,^3P_1$ - $2s\,2p^5\,^3P_2$	7.0	1.10e+05
Fe XXII	120.0128	$2s\,2p^2\,^2D_{3/2}$ - $2p^3\,^2P_{1/2}$	7.1	2.40e+03
O VII	120.3328	$1s\,2s\,^3S_1$ - $1s\,3p\,^3P_2$	6.4	4.71e+02
O VII	120.3328	$1s\,2s\,^3S_1$ - $1s\,3p\,^3P_1$	6.4	1.99e+02
Ni XXI	120.3516	$2s^2\,2p^4\,^1D_2$ - $2s\,2p^5\,^3P_2$	7.1	1.61e+03

Ion	λ (Å)	Transition	T_{max}	Int
Ni XXV	120.3567	2s 2p ^{3}P$_2$ - 2p^2 ^{1}D$_2$	7.2	1.89e+02
Fe XVIII *	120.5856	2s^2 2p^4 (^{3}P) 4p ^{4}D$_{3/2}$ - 2s^2 2p^4 (^{3}P) 5s ^{4}P$_{1/2}$	6.9	5.48e+02
Fe XIX *	120.9602	2s^2 2p^3 (^{4}S) 3s ^{5}S$_2$ - 2s 2p^4 (^{4}P) 3s ^{5}P$_2$	7.0	1.77e+02
Mn XXI	121.1790	2s^2 2p ^{2}P$_{3/2}$ - 2s 2p^2 ^{2}P$_{3/2}$	7.1	1.29e+03
Fe XXIII	121.2013	2s 2p ^{3}P$_1$ - 2p^2 ^{1}D$_2$	7.2	5.11e+02
Fe XXI	121.2129	2s^2 2p^2 ^{3}P$_2$ - 2s 2p^3 ^{3}P$_2$	7.1	1.60e+04
Fe XX	121.8448	2s^2 2p^3 ^{4}S$_{3/2}$ - 2s 2p^4 ^{4}P$_{3/2}$	7.1	3.92e+05
Fe XX	121.9868	2s 2p^4 ^{2}P$_{3/2}$ - 2p^5 ^{2}P$_{1/2}$	7.1	1.55e+03
Ne VI	122.4880	2s^2 2p ^{2}P$_{1/2}$ - 2s^2 3d ^{2}D$_{3/2}$	5.7	7.77e+02
Ne VI	122.6850	2s^2 2p ^{2}P$_{3/2}$ - 2s^2 3d ^{2}D$_{3/2}$	5.7	1.55e+02
Ne VI	122.6850	2s^2 2p ^{2}P$_{3/2}$ - 2s^2 3d ^{2}D$_{5/2}$	5.7	1.43e+03
Cr XVII	122.9718	2s^2 2p^4 ^{3}P$_2$ - 2s 2p^5 ^{3}P$_2$	6.9	3.37e+03
Fe XXI	123.3360	2s 2p^3 ^{3}P$_1$ - 2p^4 ^{3}P$_0$	7.1	3.95e+02
Ni XXII	123.3850	2s^2 2p^3 ^{2}D$_{3/2}$ - 2s 2p^4 ^{4}P$_{1/2}$	7.1	2.81e+02
Fe XXI	123.8312	2s^2 2p^2 ^{3}P$_2$ - 2s 2p^3 ^{3}P$_1$	7.1	2.61e+04
Fe XIX *	124.3683	2s^2 2p^3 (^{4}S) 3d ^{5}D$_3$ - 2s 2p^4 (^{4}P) 3d ^{5}F$_4$	7.0	4.59e+02
Fe XIX *	124.8848	2s^2 2p^3 (^{4}S) 3d ^{5}D$_4$ - 2s 2p^4 (^{4}P) 3d ^{5}F$_4$	7.0	8.81e+02
Cr XVII	125.0637	2s^2 2p^4 ^{3}P$_0$ - 2s 2p^5 ^{3}P$_1$	6.9	6.10e+02
Co XXIV	125.1500	2s^2 ^{1}S$_0$ - 2s 2p ^{1}P$_1$	7.2	5.62e+03
Co XXI	125.1610	2s^2 2p^3 ^{4}S$_{3/2}$ - 2s 2p^4 ^{4}P$_{5/2}$	7.1	1.49e+03
Fe XXI	125.2995	2s 2p^3 ^{3}P$_2$ - 2p^4 ^{3}P$_1$	7.1	1.60e+02
Cr XVII	125.4284	2s^2 2p^4 ^{3}P$_1$ - 2s 2p^5 ^{3}P$_1$	6.9	4.82e+02
Mn XX	125.4490	2s^2 2p^2 ^{3}P$_1$ - 2s 2p^3 ^{3}P$_1$	7.1	1.16e+03
Fe XXII	125.7080	2s 2p^2 ^{4}P$_{3/2}$ - 2p^3 ^{4}S$_{3/2}$	7.1	6.60e+02
Cr XIX	125.9780	2s^2 2p^2 ^{3}P$_0$ - 2s 2p^3 ^{3}P$_1$	7.0	6.75e+02
Mn XVIII	126.1016	2s^2 2p^4 ^{3}P$_1$ - 2s 2p^5 ^{3}P$_2$	6.9	6.99e+02
Ni XXIV	126.2987	2s^2 2p ^{2}P$_{3/2}$ - 2s 2p^2 ^{2}S$_{1/2}$	7.2	6.14e+02
Si XII	126.4609	1s^2 3p ^{2}P$_{1/2}$ - 1s^2 4d ^{2}D$_{3/2}$	7.0	2.66e+02
Ni XXIII	126.5920	2s^2 2p^2 ^{3}P$_1$ - 2s 2p^3 ^{3}D$_2$	7.2	3.19e+02
Co XXIII	126.7840	2s^2 2p ^{2}P$_{1/2}$ - 2s 2p^2 ^{2}D$_{3/2}$	7.2	1.85e+03
Si XII	126.7960	1s^2 3p ^{2}P$_{3/2}$ - 1s^2 4d ^{2}D$_{5/2}$	7.0	4.80e+02
Fe XXI	127.0402	2s 2p^3 ^{1}P$_1$ - 2p^4 ^{1}S$_0$	7.1	1.88e+02
Mn XIX	127.2810	2s^2 2p^3 ^{4}S$_{3/2}$ - 2s 2p^4 ^{4}P$_{1/2}$	7.0	1.50e+03
Ni XXII	127.3070	2s^2 2p^3 ^{2}D$_{3/2}$ - 2s 2p^4 ^{4}P$_{3/2}$	7.1	2.28e+02
Ni XXIII	127.4790	2s^2 2p^2 ^{3}P$_1$ - 2s 2p^3 ^{3}D$_1$	7.2	1.51e+03
Ne VII	127.6660	2s 2p ^{1}P$_1$ - 2s 3s ^{1}S$_0$	5.8	4.60e+02
Ti XVII	127.7780	2s^2 2p^2 ^{3}P$_2$ - 2s 2p^3 ^{3}S$_1$	6.8	2.46e+02
Fe XX	127.8358	2s^2 2p^3 ^{2}P$_{1/2}$ - 2s 2p^4 ^{2}D$_{3/2}$	7.1	1.75e+03
Fe XIX *	127.8367	2s^2 2p^3 (^{4}S) 3p ^{5}P$_3$ - 2s 2p^4 (^{4}P) 3p ^{5}D$_4$	7.0	8.43e+02
Fe XIX	128.4062	2s^2 2p^3 (^{4}S) 3d ^{3}D$_3$ - 2s 2p^4 (^{4}P) 3d ^{3}F$_4$	7.0	1.16e+03
Fe XVII *	128.4225	2s 2p^6 4p ^{1}P$_1$ - 2s 2p^6 5s ^{1}S$_0$	6.9	2.48e+02
Cr XX	128.4420	2s^2 2p ^{2}P$_{3/2}$ - 2s 2p^2 ^{2}P$_{3/2}$	7.1	2.21e+03
Fe XIX *	128.6563	2s^2 2p^3 (^{4}S) 3s ^{5}S$_2$ - 2s 2p^4 (^{4}P) 3s ^{5}P$_3$	7.0	4.70e+02
Fe XXI	128.7526	2s^2 2p^2 ^{3}P$_0$ - 2s 2p^3 ^{3}D$_1$	7.1	8.93e+05
Ni XXV	128.7973	2s 2p ^{3}P$_0$ - 2p^2 ^{3}P$_1$	7.2	2.92e+02
O VI	129.7852	1s^2 2p ^{2}P$_{1/2}$ - 1s^2 4d ^{2}D$_{3/2}$	5.5	1.42e+02
O VI	129.8714	1s^2 2p ^{2}P$_{3/2}$ - 1s^2 4d ^{2}D$_{5/2}$	5.5	2.56e+02
Si XII	129.8906	1s^2 3d ^{2}D$_{3/2}$ - 1s^2 4f ^{2}F$_{5/2}$	7.0	4.82e+02
Si XII	129.9801	1s^2 3d ^{2}D$_{5/2}$ - 1s^2 4f ^{2}F$_{7/2}$	7.0	6.86e+02

Ion	λ (Å)	Transition	T_{max}	Int
Fe XIX *	130.0111	$2s^2\ 2p^3\ (^4S)\ 3p\ ^5P_2$ - $2s\ 2p^4\ (^4P)\ 3p\ ^5P_3$	7.0	1.78e+02
Fe XIX *	130.0791	$2s^2\ 2p^3\ (^4S)\ 3d\ ^5D_4$ - $2s\ 2p^4\ (^4P)\ 3d\ ^5F_5$	7.0	6.18e+02
Fe XVII *	130.4307	$2s^2\ 2p^5\ 4d\ ^3D_1$ - $2s^2\ 2p^5\ 5f\ ^1D_2$	6.9	1.78e+02
Mn XIX	130.5780	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	7.0	2.86e+03
Ni XXV	130.9278	$2s\ 2p\ ^1P_1$ - $2p^2\ ^1S_0$	7.2	2.65e+02
Fe VIII	130.9410	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^6\ 4f\ ^2F_{5/2}$	5.7	9.16e+02
Fe VIII	131.2400	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^6\ 4f\ ^2F_{7/2}$	5.7	1.42e+03
Si XII	131.5515	$1s^2\ 3p\ ^2P_{1/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.0	2.35e+02
Fe XX	131.6887	$2s\ 2p^4\ ^2S_{1/2}$ - $2p^5\ ^2P_{3/2}$	7.1	9.83e+02
Mn XX	131.9160	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_1$	7.1	2.71e+02
Si XII	131.9664	$1s^2\ 3p\ ^2P_{3/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	7.0	4.77e+02
Fe XVIII *	132.5272	$2s^2\ 2p^4\ (^3P)\ 4d\ ^2F_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 5p\ ^2P_{3/2}$	6.9	2.04e+02
Fe XIX	132.6196	$2s^2\ 2p^4\ ^1D_2$ - $2s\ 2p^5\ ^3P_2$	7.0	2.03e+04
Fe XIX *	132.6452	$2s^2\ 2p^3\ (^4S)\ 3d\ ^5D_1$ - $2s\ 2p^4\ (^4P)\ 3d\ ^5D_2$	7.0	1.67e+02
Cr XVII	132.8339	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_2$	6.9	8.79e+02
Fe XX	132.8405	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	7.1	4.95e+05
Fe XXIII	132.9065	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	7.2	2.20e+06
N VII	133.7406	$2s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	7.1	1.93e+02
Fe XIX *	133.7547	$2s^2\ 2p^3\ (^4S)\ 3d\ ^5D_3$ - $2s\ 2p^4\ (^4P)\ 3d\ ^5D_3$	7.0	2.01e+02
Fe XIX *	133.8400	$2s^2\ 2p^3\ (^4S)\ 3d\ ^5D_2$ - $2s\ 2p^4\ (^4P)\ 3d\ ^5D_3$	7.0	2.35e+02
Fe XIX *	133.8513	$2s^2\ 2p^3\ (^4S)\ 3d\ ^5D_3$ - $2s\ 2p^4\ (^4P)\ 3d\ ^5D_4$	7.0	2.50e+02
N VII	133.8745	$2p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	7.1	1.45e+02
N VII	133.9344	$2p\ ^2P_{3/2}$ - $3s\ ^2S_{1/2}$	7.1	2.49e+02
Cr XIX	134.0520	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_1$	7.0	1.80e+03
Fe XIX *	134.4498	$2s^2\ 2p^3\ (^4S)\ 3d\ ^5D_4$ - $2s\ 2p^4\ (^4P)\ 3d\ ^5D_4$	7.0	3.14e+02
Fe XXII	134.6925	$2s\ 2p^2\ ^4P_{5/2}$ - $2p^3\ ^4S_{3/2}$	7.1	7.93e+02
C VI	134.9125	$2s\ ^2S_{1/2}$ - $4p\ ^2P_{3/2}$	7.1	1.52e+02
Ni XXV	135.7870	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_1$	7.2	1.70e+02
Fe XXII	135.7912	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	7.1	6.77e+05
Fe XXII	135.9966	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	7.1	1.20e+03
Fe XX	136.0521	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	7.1	3.22e+03
Ne VI	136.3480	$2s\ 2p^2\ ^4P_{5/2}$ - $2s\ 2p\ (^3P)\ 3s\ ^4P_{5/2}$	5.7	1.79e+02
Fe XXIII	136.5317	$2s\ 2p\ ^3P_2$ - $2p^2\ ^1D_2$	7.2	4.60e+03
Ni XXIII	136.5570	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_1$	7.2	5.00e+02
Cr XVIII	136.5950	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	6.9	2.06e+03
Ca XV	137.1954	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3S_1$	6.7	4.80e+02
Mg V	137.4110	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_3$	5.6	1.85e+02
Fe XIX *	137.4878	$2s^2\ 2p^3\ (^4S)\ 3d\ ^3D_3$ - $2s\ 2p^4\ (^4P)\ 3d\ ^5F_4$	7.0	1.43e+02
O VII	137.5104	$1s\ 2p\ ^1P_1$ - $1s\ 3s\ ^1S_0$	6.8	3.08e+02
Fe XXI	138.1342	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^3\ ^3S_1$	7.1	1.43e+03
Mn XX	138.2780	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	7.1	6.58e+03
Ne VI	138.3870	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 3s\ ^2S_{1/2}$	5.7	1.93e+02
Fe XX	138.4789	$2s\ 2p^4\ ^2P_{1/2}$ - $2p^5\ ^2P_{1/2}$	7.1	1.18e+03
Ne VI	138.6380	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3s\ ^2S_{1/2}$	5.7	3.89e+02
Ni XXIV	138.7288	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	7.2	5.21e+02
Fe XX	139.0411	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	7.1	3.14e+02
Ni XXI	139.0726	$2s^2\ 2p^4\ ^1S_0$ - $2s\ 2p^5\ ^3P_1$	7.1	1.53e+02
Fe XXII	139.6465	$2s\ 2p^2\ ^2P_{1/2}$ - $2p^3\ ^2P_{1/2}$	7.1	1.95e+02
Cr XVIII	139.9680	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	6.9	3.94e+03

Ion	λ (Å)	Transition	T_{max}	Int
Ti XV	140.3969	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_2$	6.8	2.45e+02
Fe XX	140.4209	$2s\ 2p^4\ ^2P_{3/2}$ - $2p^5\ ^2P_{3/2}$	7.1	2.98e+03
Cr XIX	140.5810	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_1$	7.0	5.21e+02
Ca XV	140.5812	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3S_1$	6.7	1.36e+03
Mn XIX	141.0310	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	7.0	3.87e+03
Ca XII	141.0412	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	6.5	8.18e+02
Mn XXII	141.0900	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	7.1	1.91e+04
Mn XXI	141.5760	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	7.1	3.41e+02
Fe XX	142.0429	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	7.1	2.38e+03
Fe XXI	142.1436	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_2$	7.1	2.12e+04
Fe XXI	142.2815	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	7.1	5.56e+04
Zn XXVIII	142.4662	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.4	1.23e+03
Ne V	142.7240	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3P_2$	5.5	3.11e+02
Mg V	142.9350	$2s^2\ 2p^4\ ^1D_2$ - $2s^2\ 2p^3\ (^2D)\ 3s\ ^1D_2$	5.6	2.51e+02
Ne V	143.2190	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 3d\ ^3D_1$	5.5	1.75e+02
Fe XVII *	143.2516	$2s^2\ 2p^5\ 4d\ ^3D_1$ - $2s^2\ 2p^5\ 5p\ ^1S_0$	6.9	2.81e+02
Ne V	143.2730	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3d\ ^3D_2$	5.5	3.94e+02
Ne V	143.3440	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3D_3$	5.5	6.58e+02
Fe XX *	143.6551	$2s^2\ 2p^2\ (^3P)\ 3d\ ^4F_{9/2}$ - $2s\ 2p^3\ (^3D)\ 3d\ ^4G_{11/2}$	7.1	2.76e+02
Fe XVII *	143.7126	$2s^2\ 2p^5\ 4d\ ^1P_1$ - $2s^2\ 2p^5\ 5p\ ^3P_0$	6.9	2.10e+02
Ca XV	144.3062	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	6.7	2.51e+03
Fe XXIII	144.3890	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_2$	7.2	2.67e+03
Ti XVIII	144.7550	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.9	2.75e+02
Ni XXII	144.8100	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	7.1	1.96e+03
Fe XXII	144.9125	$2s\ 2p^2\ ^2D_{3/2}$ - $2p^3\ ^2D_{5/2}$	7.1	3.82e+02
Fe XXI	144.9717	$2s\ 2p^3\ ^1D_2$ - $2p^4\ ^1D_2$	7.1	3.54e+02
Mn XXI	145.4590	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	7.1	5.33e+03
Fe XXI	145.7335	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_3$	7.1	7.55e+03
Fe XX	146.6001	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	7.1	1.52e+03
Fe XXI	146.9831	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^3P_1$	7.1	2.06e+03
Ne V	147.1320	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^1F_3$	5.5	5.65e+02
Fe XXIII	147.2540	$2s\ 2p\ ^3P_0$ - $2p^2\ ^3P_1$	7.2	6.31e+03
Ca XII	147.2822	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	6.5	3.42e+02
Ne VI	147.5930	$2s\ 2p^2\ ^2D_{5/2}$ - $2s\ 2p\ (^3P)\ 3s\ ^2P_{3/2}$	5.7	2.92e+02
Ti XVIII	147.5960	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	6.9	1.46e+02
Cr XX	147.6800	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	7.1	7.25e+02
Ne VI	147.7660	$2s\ 2p^2\ ^2D_{3/2}$ - $2s\ 2p\ (^3P)\ 3s\ ^2P_{1/2}$	5.7	1.59e+02
Ni XI	148.3742	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 3d\ ^1P_1$	6.2	3.34e+03
Ti XVIII	148.4550	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	6.9	1.03e+03
Cr XIX	148.6620	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	7.0	9.11e+03
Fe XXIII	149.2117	$2s\ 2p\ ^1P_1$ - $2p^2\ ^1S_0$	7.2	6.13e+03
Cr XVIII	149.8280	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	6.9	5.52e+03
Fe XXII	149.8606	$2s\ 2p^2\ ^2D_{5/2}$ - $2p^3\ ^2D_{5/2}$	7.1	1.36e+03
Cr XXI	149.9010	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	7.1	3.34e+04