CHIANTI Spectral Synthesis Package

Line intensities calculation - HELP

Wavelength (Å)
Min. 12.0000
Max. 14.0000

Const. Density
1.00e+10
Ioniz. Fraction
mazzotta_etal.ion

All ions? - HELP
no yes
All lines? - HELP
no yes

ISOTHERMAL ? - HELP
Yes No (DEM)

DEM
flare_ext.d

Photoexc.: NO

Units: ERGS
Protons: YES
Calculate intensities
Save/Restore
Quit

Calculate and plot a spectrum - HELP

Min. 12.000
Max. 14.0000

Bin
HELP
0.0100

FWHM
HELP
0.02

Continuum?
HELP
No Yes

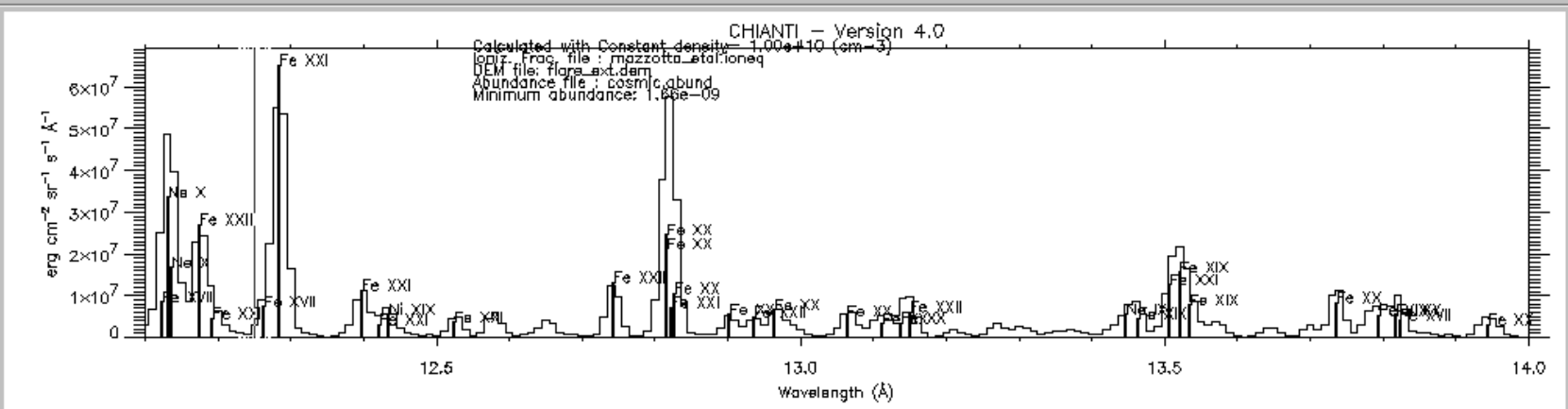
All lines?
HELP
no yes

Abundances
HELP
cosmic.abund

Min. Abund.
HELP
1.66e-09

Eff. Area: NO
HELP

RESTORE spectrum
Units: ERGS
Calculate and plot



Labels? - HELP
yes no

Min. - HELP
3e+06

X: 12.1000 14.0000
Y: 0.00e+00 6.93e+07

Zoom
Unzoom
Create PS file
Hardcopy
Save line details (latex)
Save line details (ascii)
Lin/Log
SAVE spectrum

12.1227 (Å) Fe XVII Int=1.82e+05 Log Tmax= 6.9 2p6 1S0 - 2p5 4d 1P1
12.1321 (Å) Ne X Int=7.55e+05 Log Tmax= 7.1 1s 2S1/2 - 2p 2P3/2
12.1375 (Å) Ne X Int=3.77e+05 Log Tmax= 7.1 1s 2S1/2 - 2p 2P1/2
12.1750 (Å) Fe XXIII Int=5.89e+05 Log Tmax= 7.1 2s 2p 1P1 - 2s 3s 1S0
12.1931 (Å) Fe XXII Int=9.88e+04 Log Tmax= 7.1 2s 2p2 2D3/2 - 2s 2p (3P) 3d 2D5/2