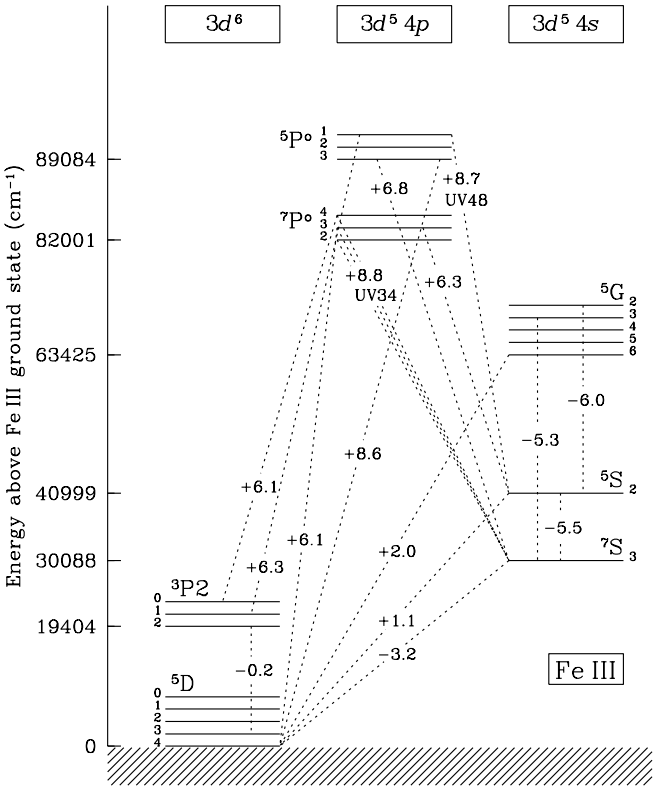
3d6
3d5 4p
3d5 4s
Energy above Fe III ground state (cm-1)
89084
82001
63425
40999
30088
19404
0
5Po 1 2 3
7Po 4 3 2
5G 2 3 4 5 6
5S 2
7S 3
3P 2 0 1 2
5D 0 1 2 3 4
+6.8
+8.7
UV48
+8.8
UV34
+6.3
+8.6
+6.1
+6.1
+6.3
−0.2
−6.0
−5.3
−5.5
+2.0
+1.1
−3.2
Fe III