Data LSE

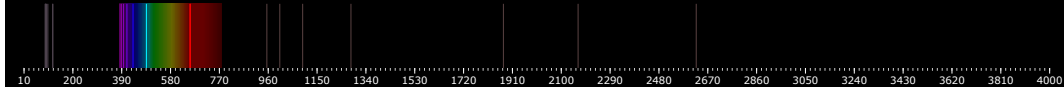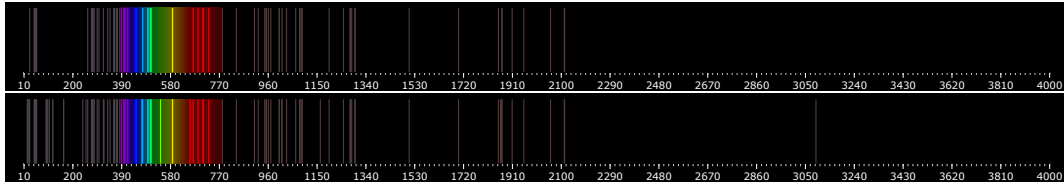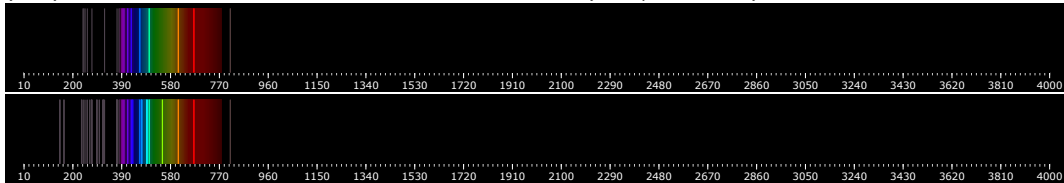### (Z=1) H – Emission lines of neutral atom

(Z=2) He – Emission lines of neutral atom and all lines available (on top and below)

(Z=3) Li – Emission lines of neutral atom and all lines available (on top and below)

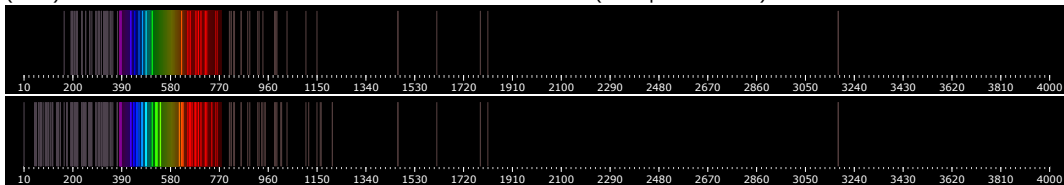### (Z=4) Be – Emission lines of neutral atom and all lines available (on top and below)

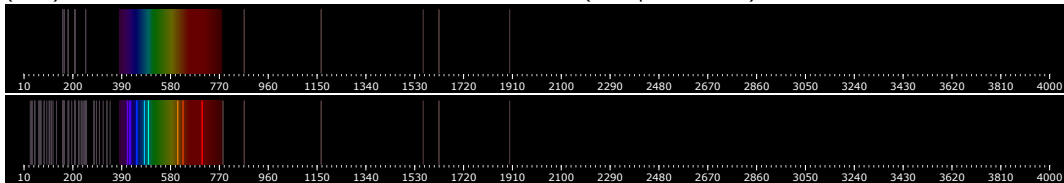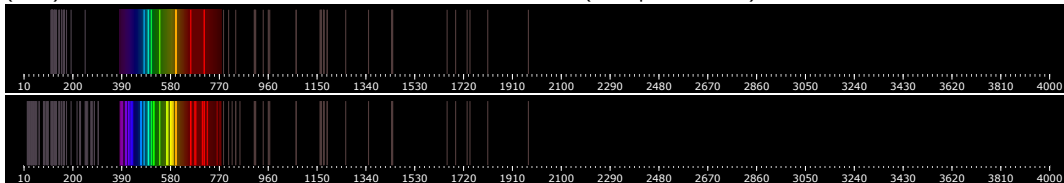### (Z=5) B – Emission lines of neutral atom and all lines available (on top and below)

(Z=6) C – Emission lines of neutral atom and all lines available (on top and below)

(Z=7) N – Emission lines of neutral atom and all lines available (on top and below)

(Z=8) O – Emission lines of neutral atom and all lines available (on top and below)

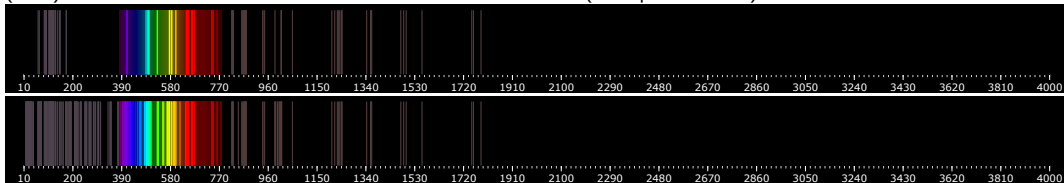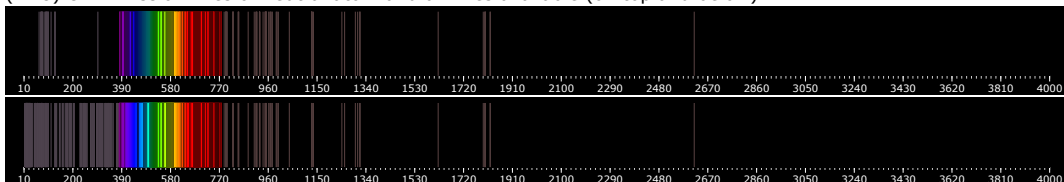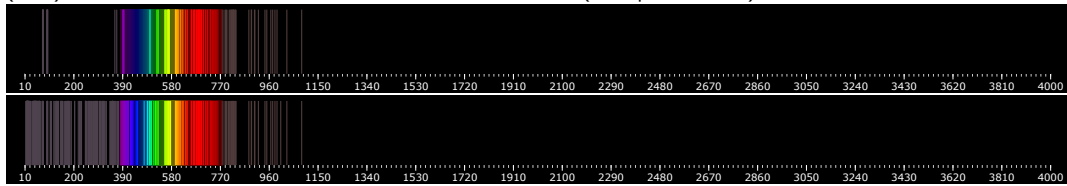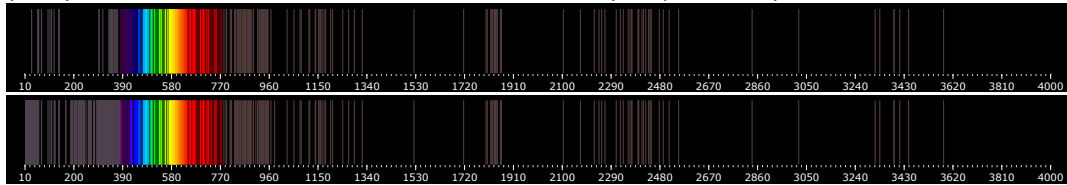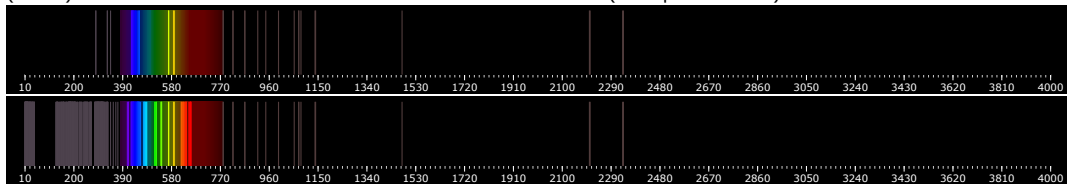(Z=9) F – Emission lines of neutral atom and all lines available (on top and below)

(Z=10) Ne – Emission lines of neutral atom and all lines available (on top and below)

(Z=11) Na – Emission lines of neutral atom and all lines available (on top and below)

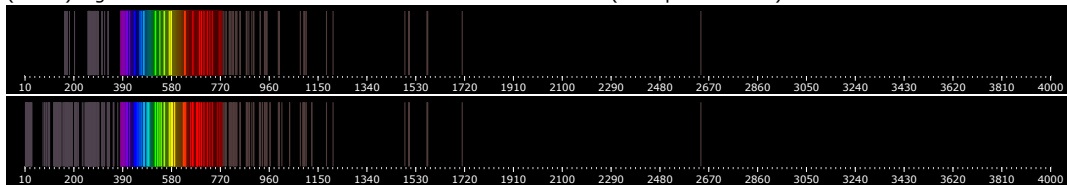(Z=12) Mg – Emission lines of neutral atom and all lines available (on top and below)

(Z=13) Al – Emission lines of neutral atom and all lines available (on top and below)

(Z=14) Si – Emission lines of neutral atom and all lines available (on top and below)

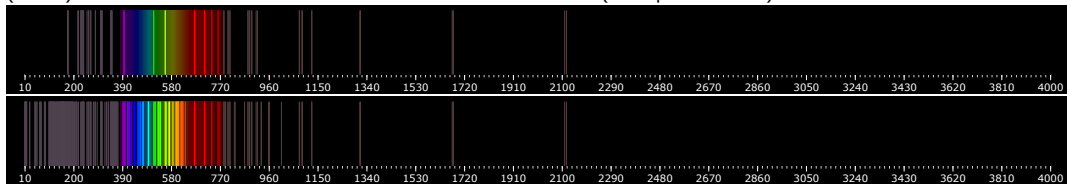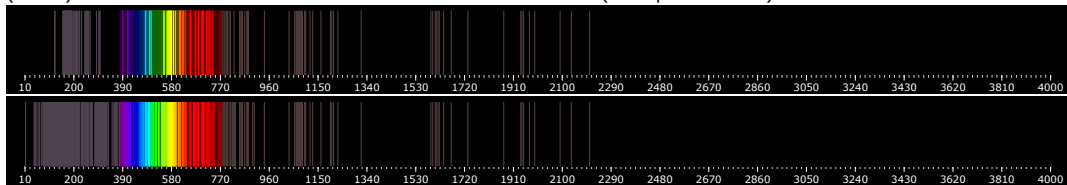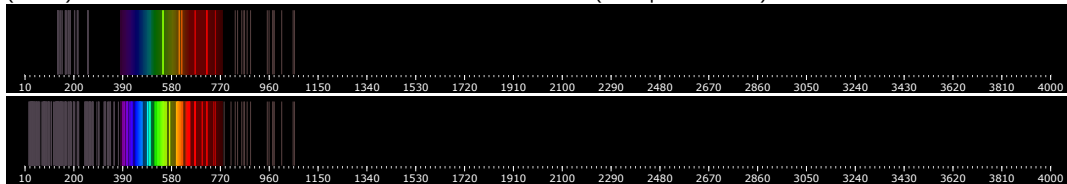(Z=15) P – Emission lines of neutral atom and all lines available (on top and below)

(Z=16) S – Emission lines of neutral atom and all lines available (on top and below)

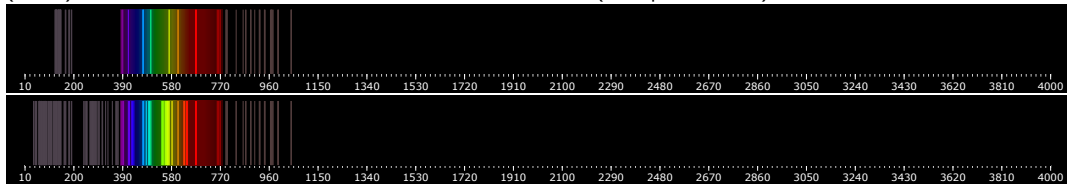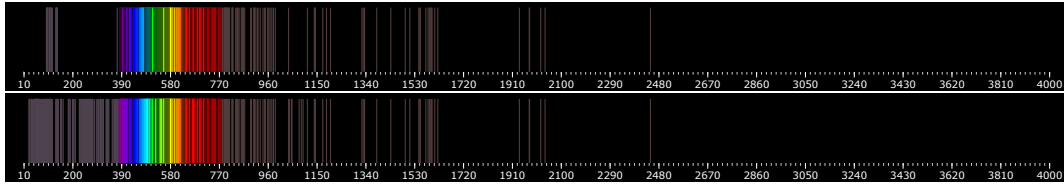(Z=17) Cl – Emission lines of neutral atom and all lines available (on top and below)

(Z=18) Ar – Emission lines of neutral atom and all lines available (on top and below)

(Z=19) K – Emission lines of neutral atom and all lines available (on top and below)
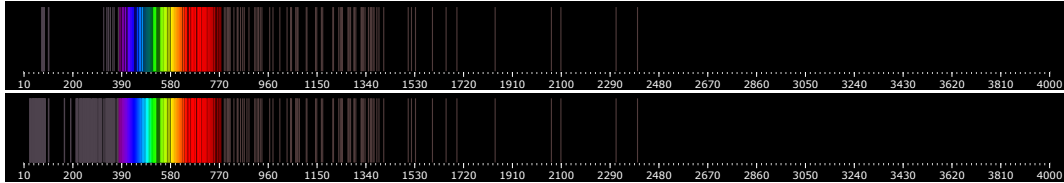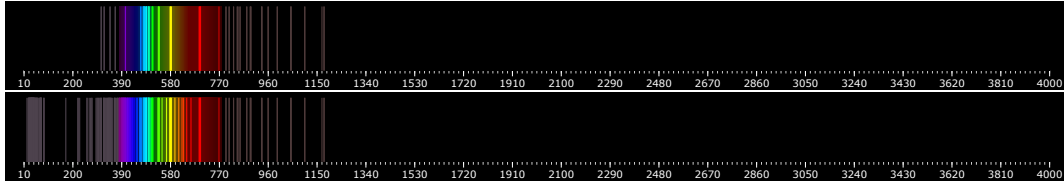

(Z=20) Ca – Emission lines of neutral atom and all lines available (on top and below)

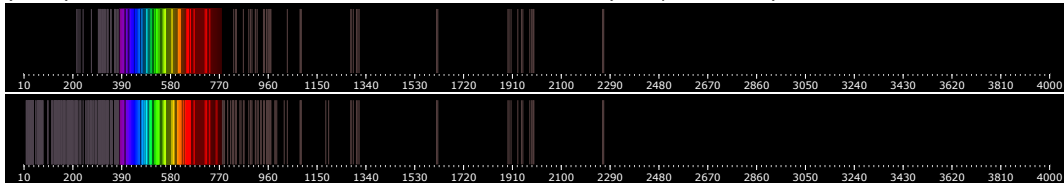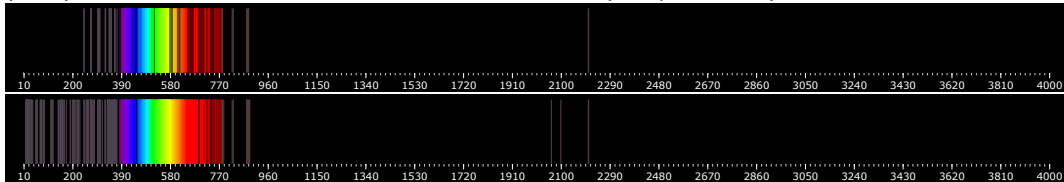(Z=21) Sc – Emission lines of neutral atom and all lines available (on top and below)

(Z=22) Ti – Emission lines of neutral atom and all lines available (on top and below)

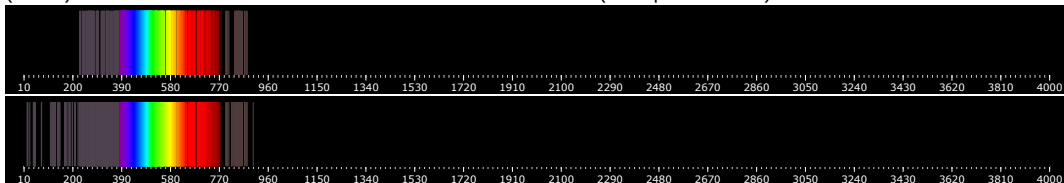(Z=23) V – Emission lines of neutral atom and all lines available (on top and below)

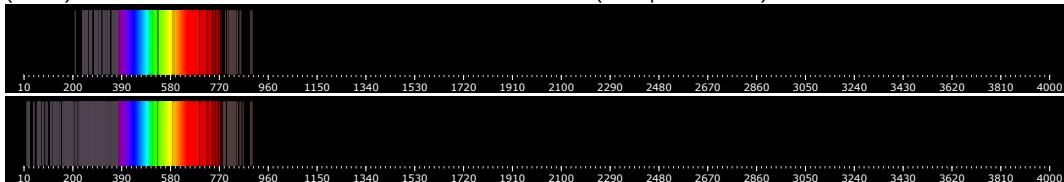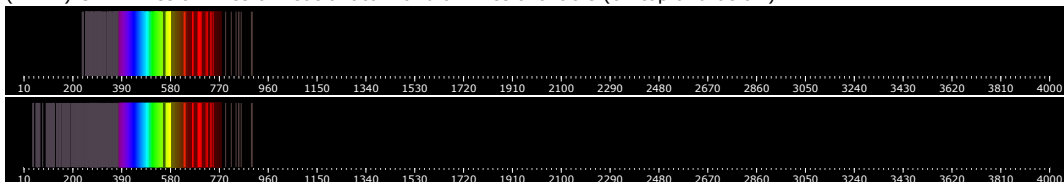(Z=24) Cr – Emission lines of neutral atom and all lines available (on top and below)
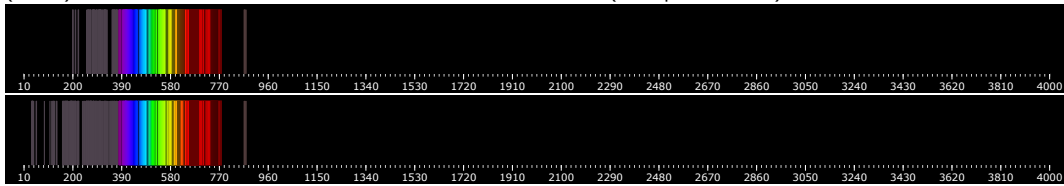
(Z=25) Mn – Emission lines of neutral atom and all lines available (on top and below)
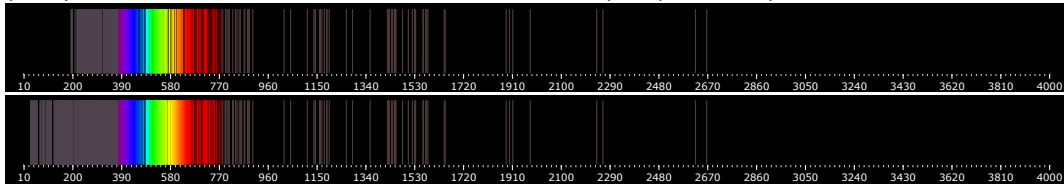
(Z=26) Fe – Emission lines of neutral atom and all lines available (on top and below)

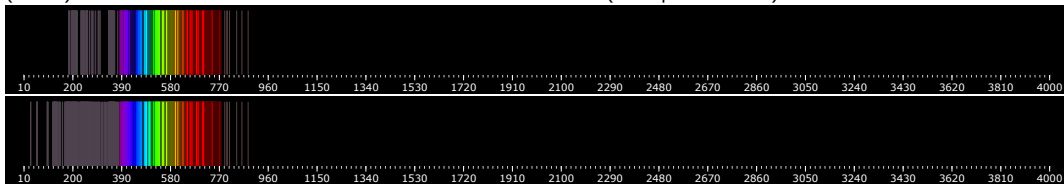(Z=27) Co – Emission lines of neutral atom and all lines available (on top and below)

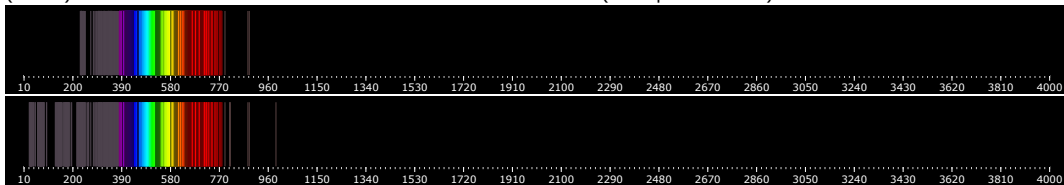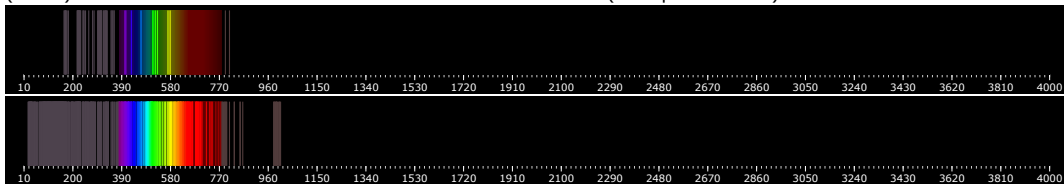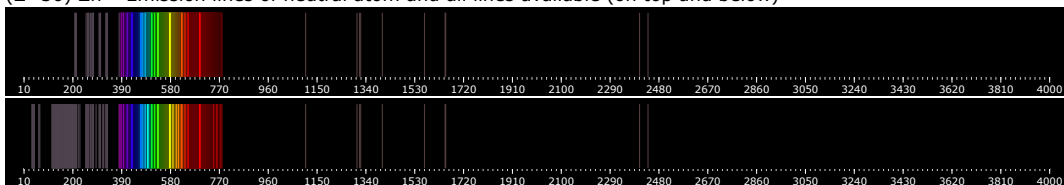(Z=28) Ni – Emission lines of neutral atom and all lines available (on top and below)

(Z=29) Cu – Emission lines of neutral atom and all lines available (on top and below)

(Z=30) Zn – Emission lines of neutral atom and all lines available (on top and below)
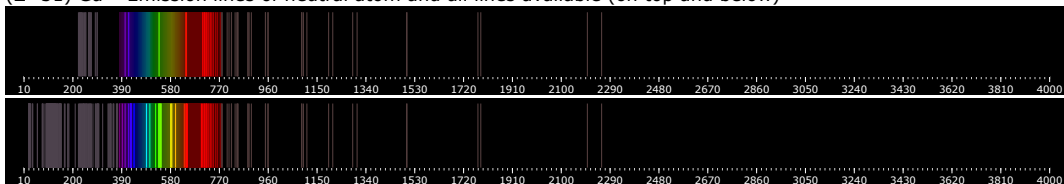
(Z=31) Ga – Emission lines of neutral atom and all lines available (on top and below)

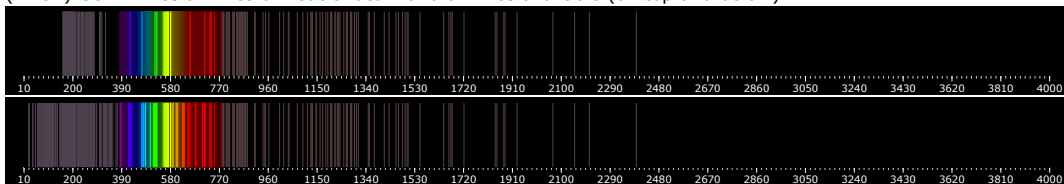(Z=32) Ge – Emission lines of neutral atom and all lines available (on top and below)
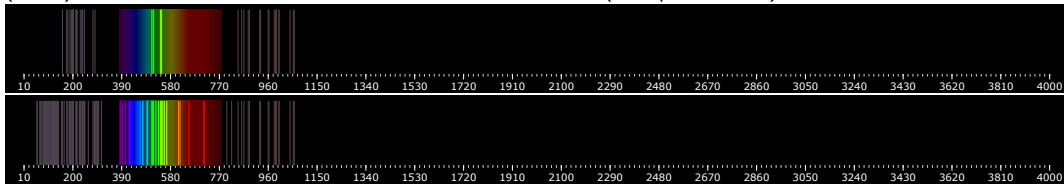
(Z=33) As – Emission lines of neutral atom and all lines available (on top and below)

(Z=34) Se – Emission lines of neutral atom and all lines available (on top and below)

(Z=35) Br – Emission lines of neutral atom and all lines available (on top and below)

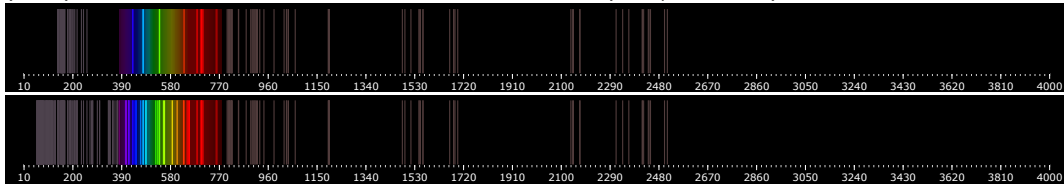(Z=36) Kr – Emission lines of neutral atom and all lines available (on top and below)

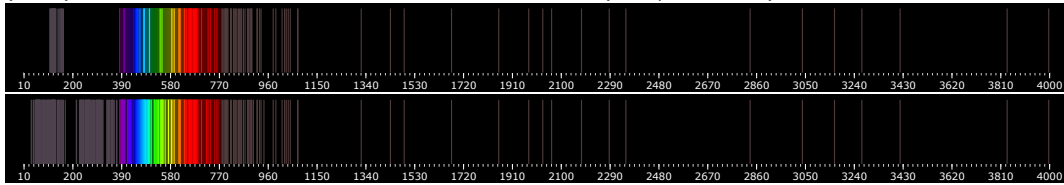(Z=37) Rb – Emission lines of neutral atom and all lines available (on top and below)

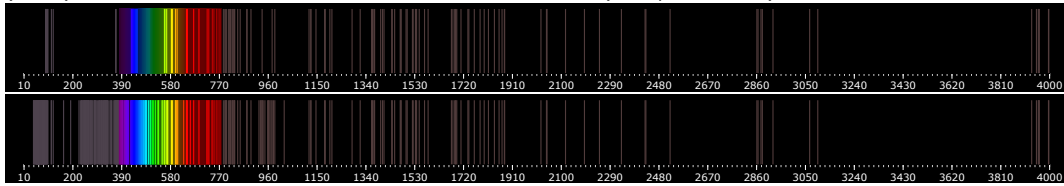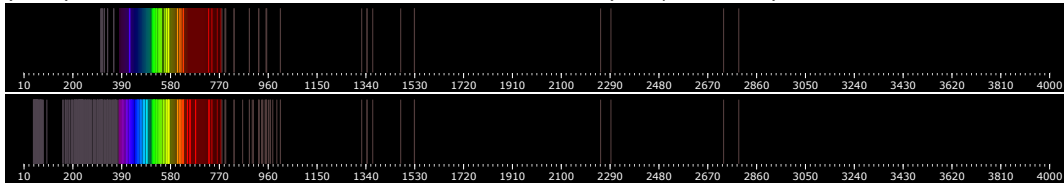(Z=38) Sr – Emission lines of neutral atom and all lines available (on top and below)

(Z=39) Y – Emission lines of neutral atom and all lines available (on top and below)

(Z=40) Zr – Emission lines of neutral atom and all lines available (on top and below)
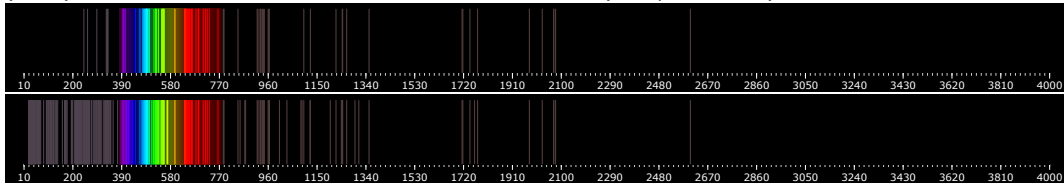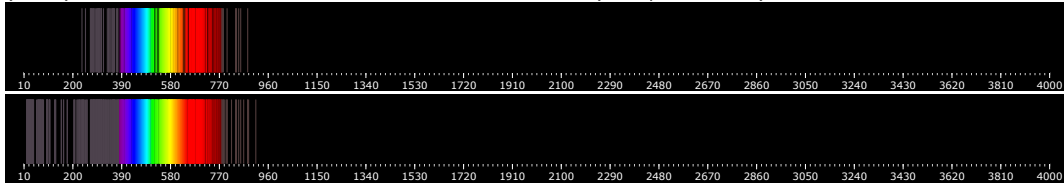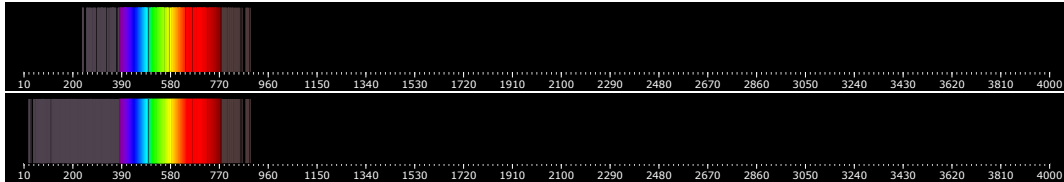
(Z=41) Nb – Emission lines of neutral atom and all lines available (on top and below)

(Z=42) Mo – Emission lines of neutral atom and all lines available (on top and below)

(Z=43) Tc – Emission lines of neutral atom and all lines available (on top and below)
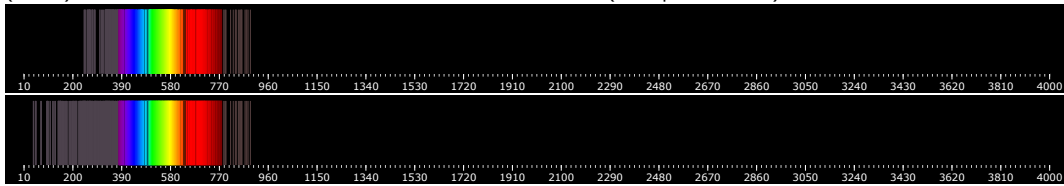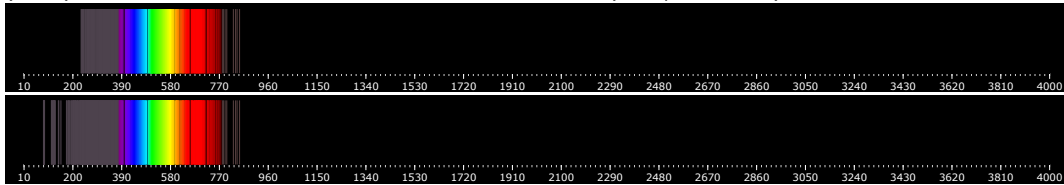
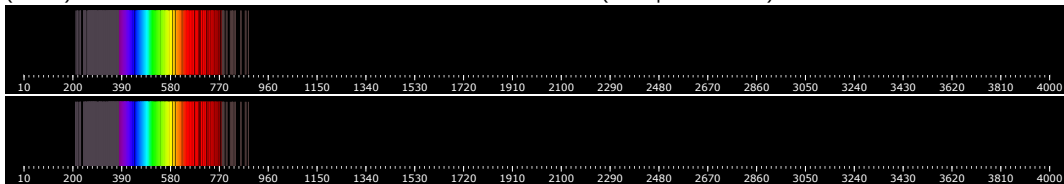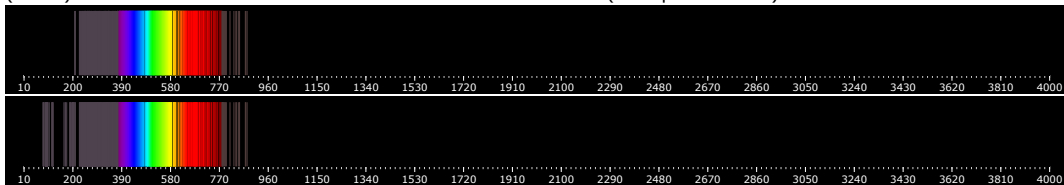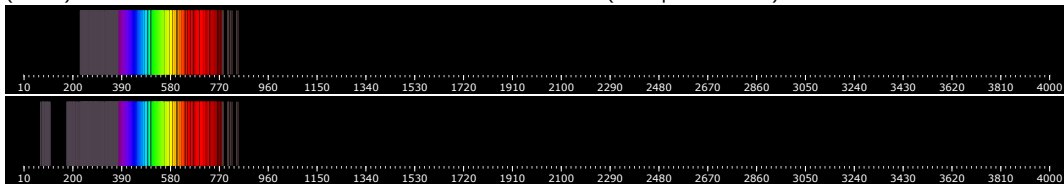(Z=44) Ru – Emission lines of neutral atom and all lines available (on top and below)

(Z=45) Rh – Emission lines of neutral atom and all lines available (on top and below)

(Z=46) Pd – Emission lines of neutral atom and all lines available (on top and below)

(Z=47) Ag – Emission lines of neutral atom and all lines available (on top and below)

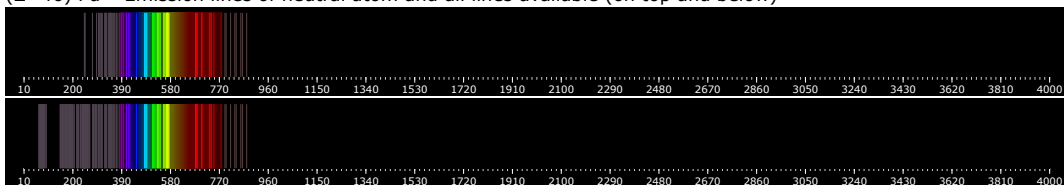(Z=48) Cd – Emission lines of neutral atom and all lines available (on top and below)

(Z=49) In – Emission lines of neutral atom and all lines available (on top and below)
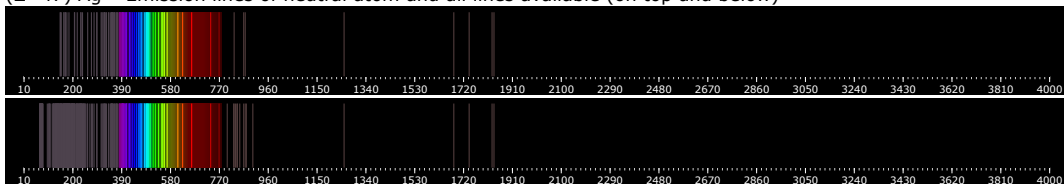

(Z=50) Sn – Emission lines of neutral atom and all lines available (on top and below)
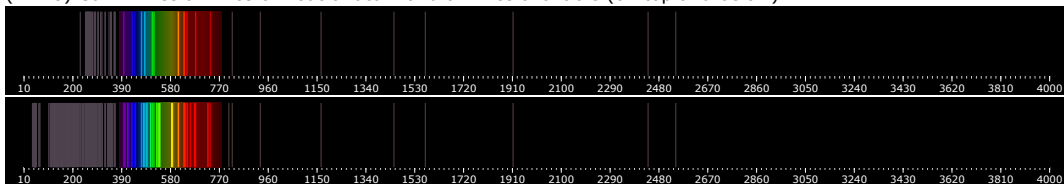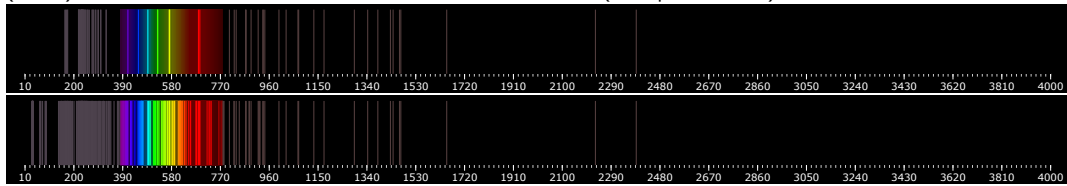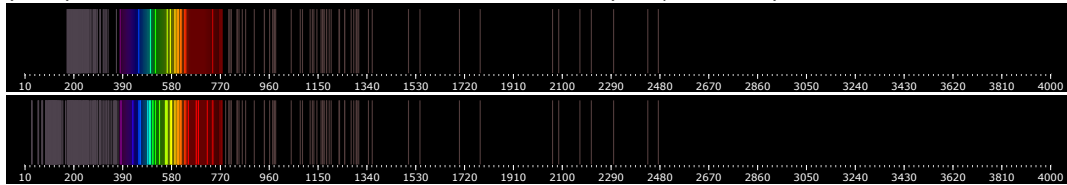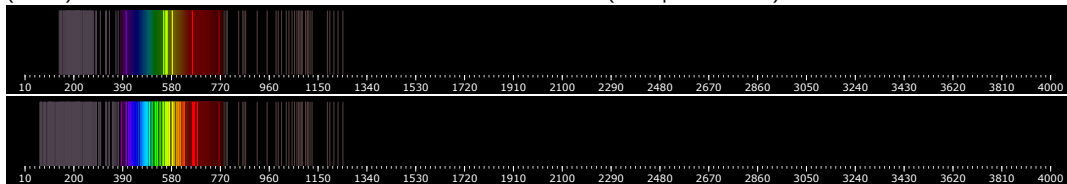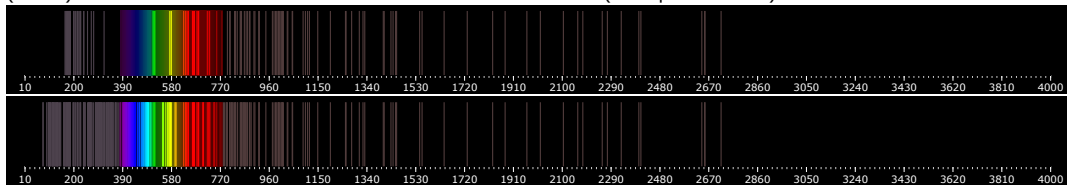

(Z=51) Sb – Emission lines of neutral atom and all lines available (on top and below)

(Z=52) Te – Emission lines of neutral atom and all lines available (on top and below)

(Z=53) I – Emission lines of neutral atom and all lines available (on top and below)

(Z=54) Xe – Emission lines of neutral atom and all lines available (on top and below)

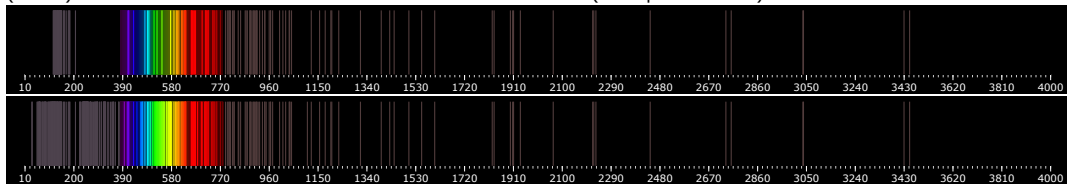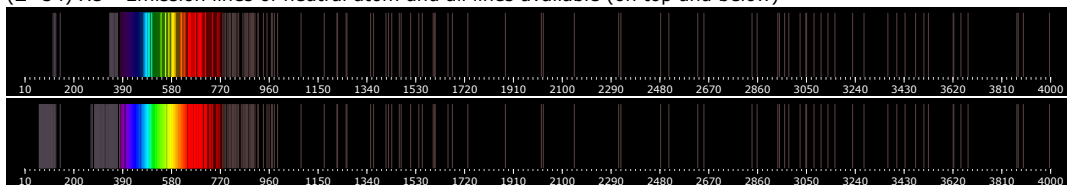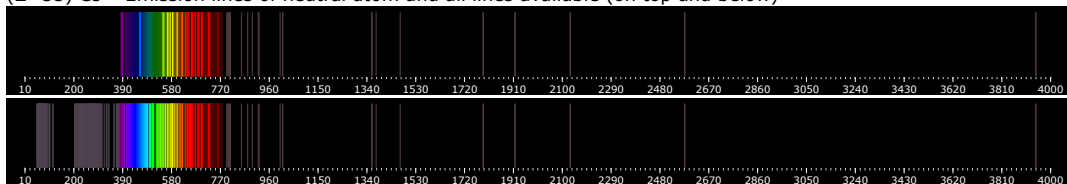(Z=55) Cs – Emission lines of neutral atom and all lines available (on top and below)

(Z=56) Ba – Emission lines of neutral atom and all lines available (on top and below)

(Z=57) La – Emission lines of neutral atom and all lines available (on top and below)

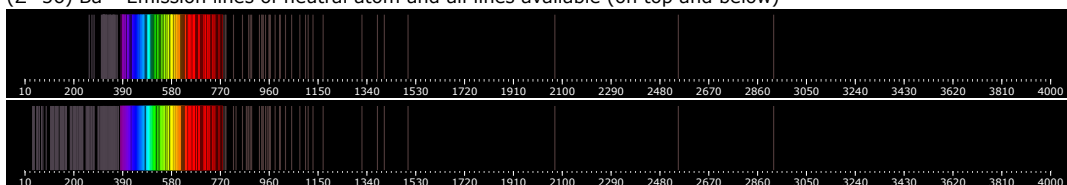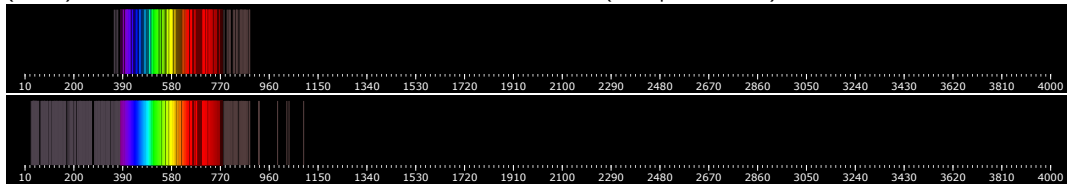(Z=58) Ce – Emission lines of neutral atom and all lines available (on top and below)
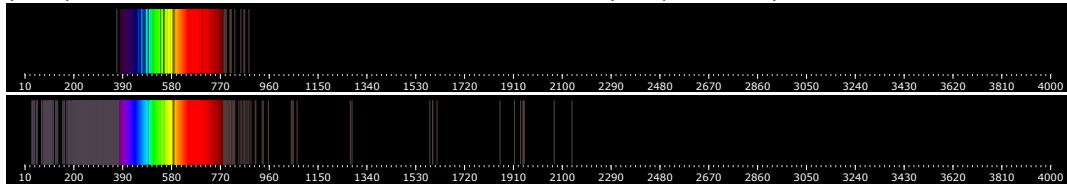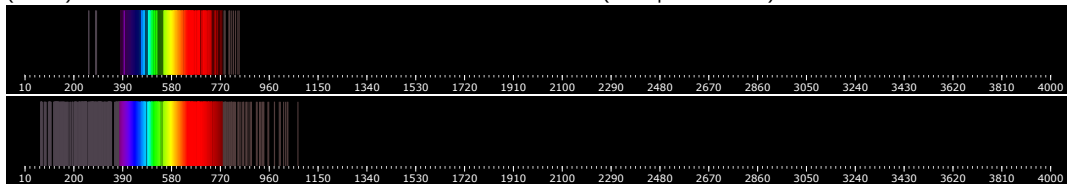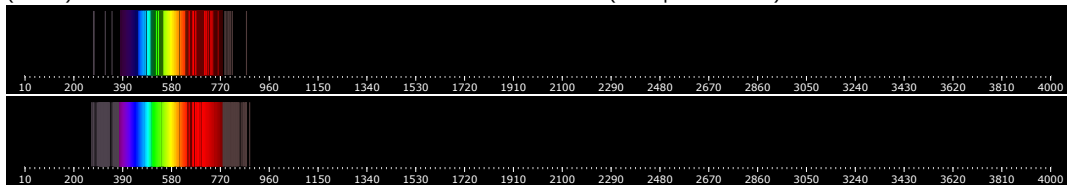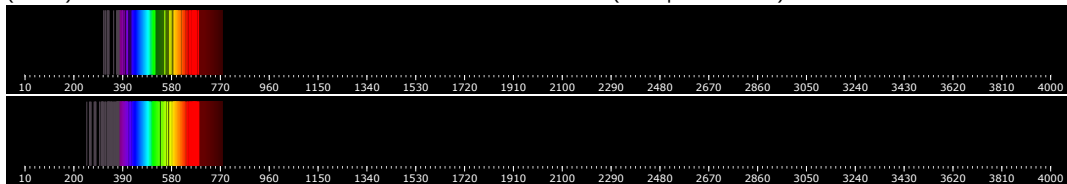
(Z=59) Pr – Emission lines of neutral atom and all lines available (on top and below)

(Z=60) Nd – Emission lines of neutral atom and all lines available (on top and below)

(Z=61) Pm – Emission lines of neutral atom and all lines available (on top and below)
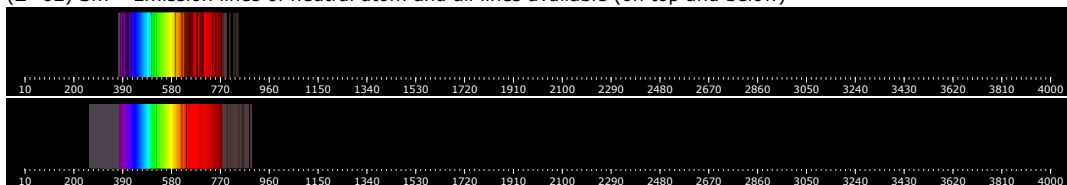
(Z=62) Sm – Emission lines of neutral atom and all lines available (on top and below)

(Z=63) Eu – Emission lines of neutral atom and all lines available (on top and below)

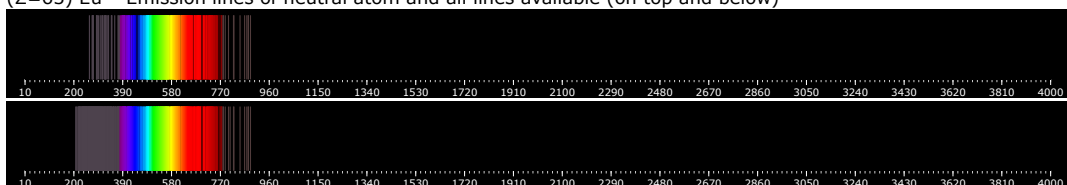(Z=64) Gd – Emission lines of neutral atom and all lines available (on top and below)

(Z=65) Tb – Emission lines of neutral atom and all lines available (on top and below)

(Z=66) Dy – Emission lines of neutral atom and all lines available (on top and below)
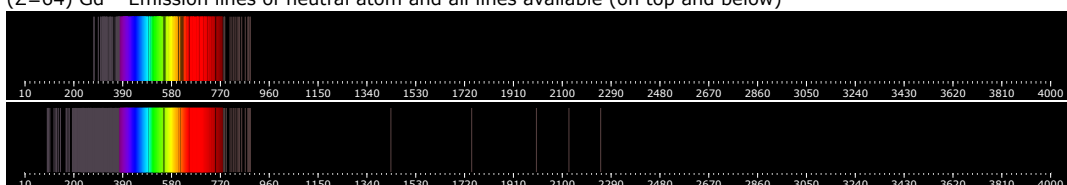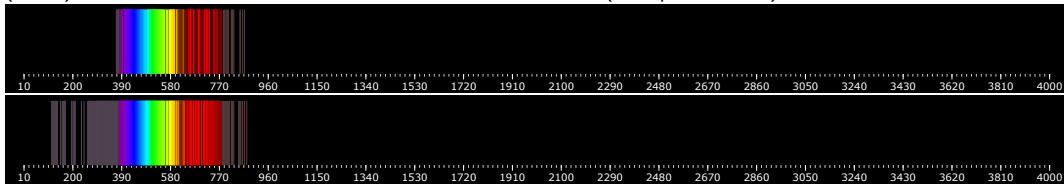
(Z=67) Ho – Emission lines of neutral atom and all lines available (on top and below)

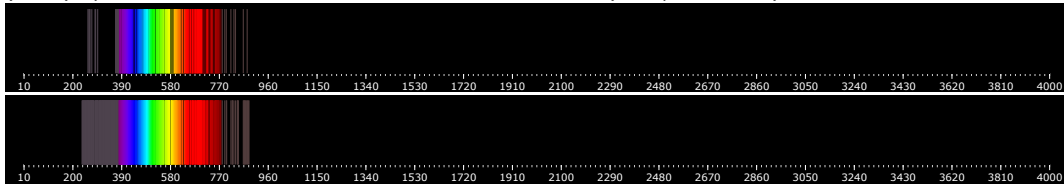(Z=68) Er – Emission lines of neutral atom and all lines available (on top and below)

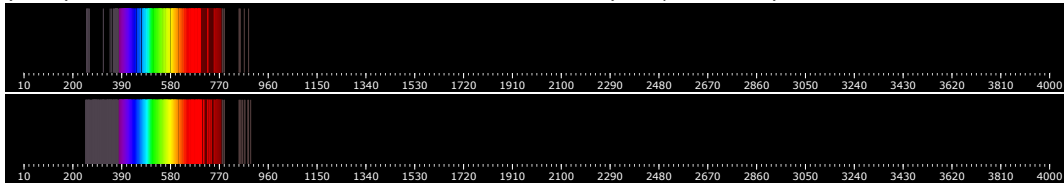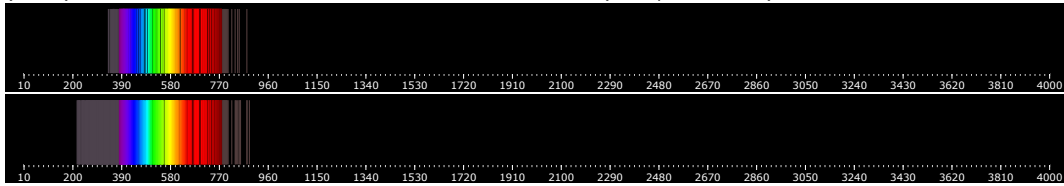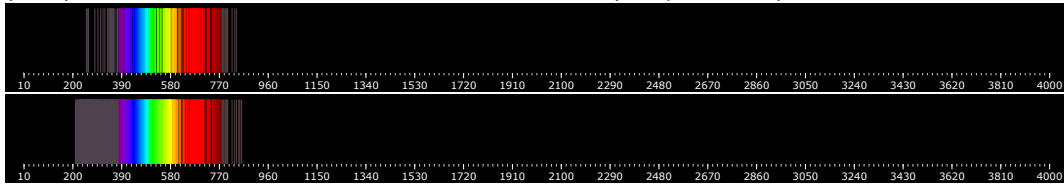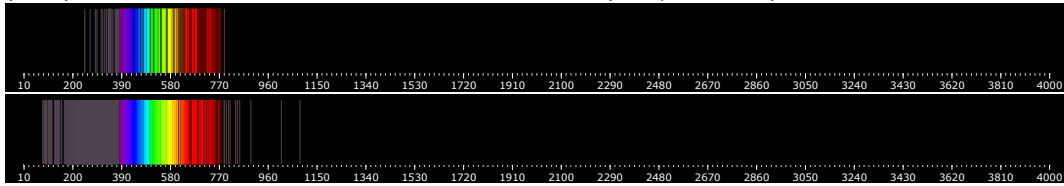(Z=69) Tm – Emission lines of neutral atom and all lines available (on top and below)

(Z=70) Yb – Emission lines of neutral atom and all lines available (on top and below)
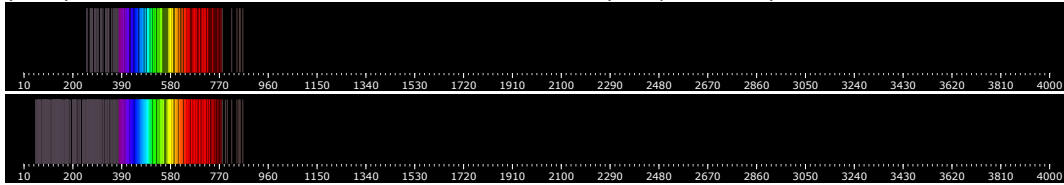
(Z=71) Lu – Emission lines of neutral atom and all lines available (on top and below)

(Z=72) Hf – Emission lines of neutral atom and all lines available (on top and below)

(Z=73) Ta – Emission lines of neutral atom and all lines available (on top and below)
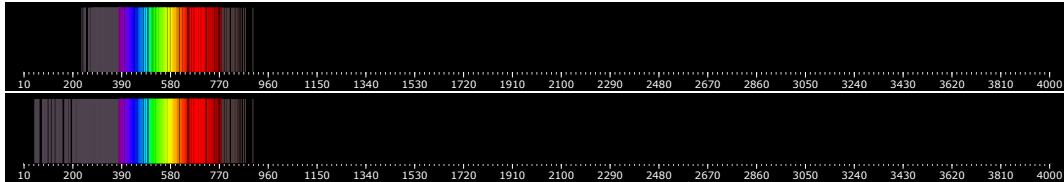

(Z=74) W – Emission lines of neutral atom and all lines available (on top and below)

(Z=75) Re – Emission lines of neutral atom and all lines available (on top and below)
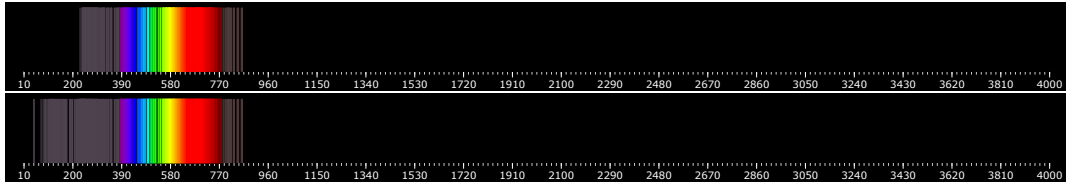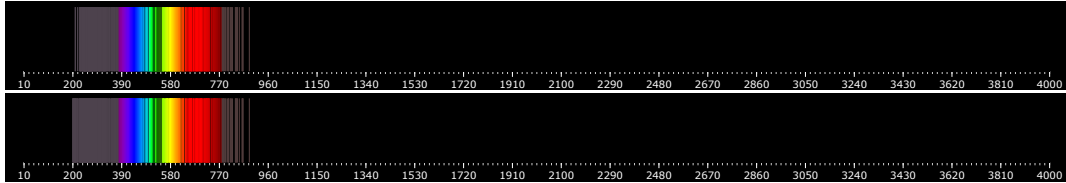

(Z=76) Os – Emission lines of neutral atom and all lines available (on top and below)

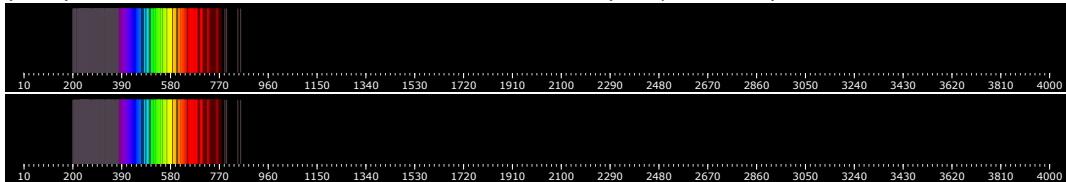(Z=77) Ir – Emission lines of neutral atom and all lines available (on top and below)

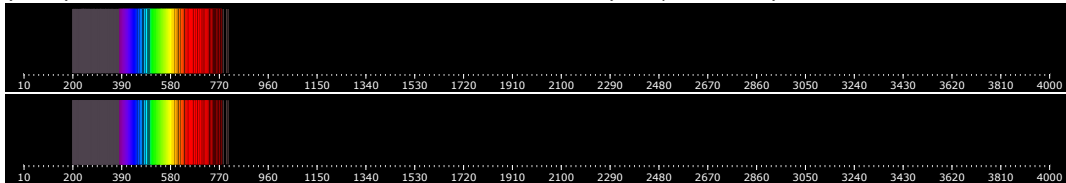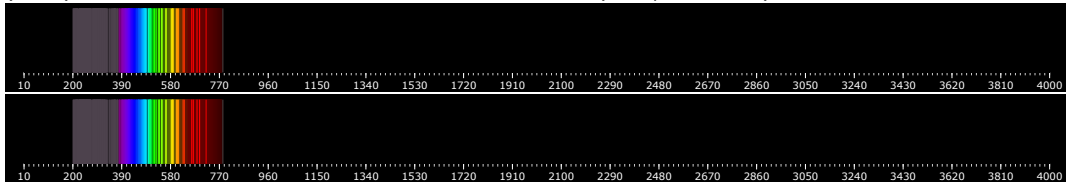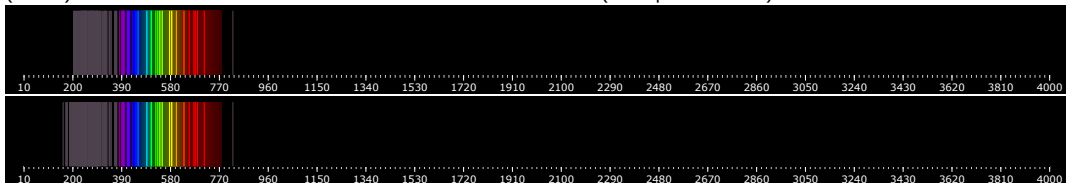(Z=78) Pt – Emission lines of neutral atom and all lines available (on top and below)

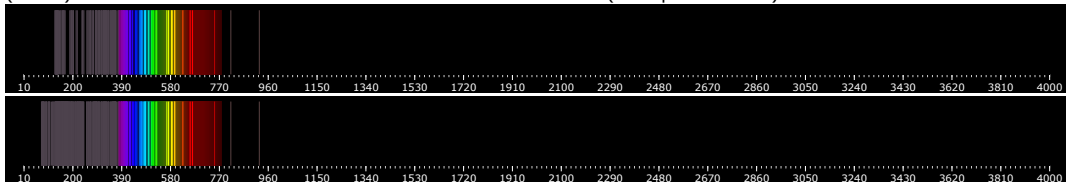(Z=79) Au – Emission lines of neutral atom and all lines available (on top and below)
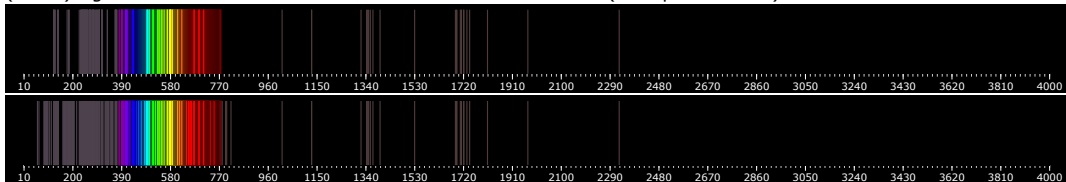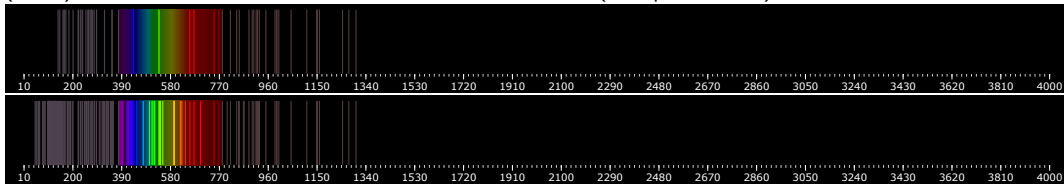

(Z=80) Hg – Emission lines of neutral atom and all lines available (on top and below)

(Z=81) Tl – Emission lines of neutral atom and all lines available (on top and below)
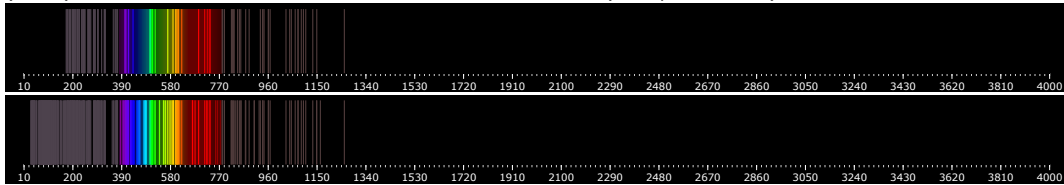
(Z=82) Pb – Emission lines of neutral atom and all lines available (on top and below)

(Z=83) Bi – Emission lines of neutral atom and all lines available (on top and below)

(Z=84) Po – Emission lines of neutral atom and all lines available (on top and below)

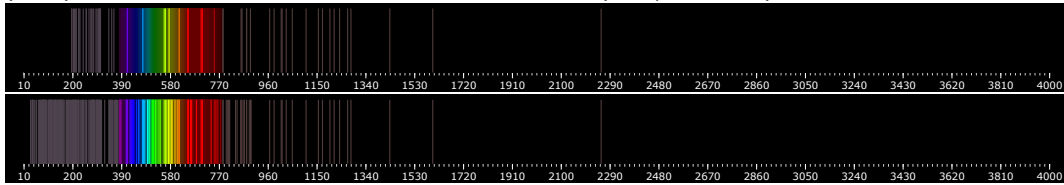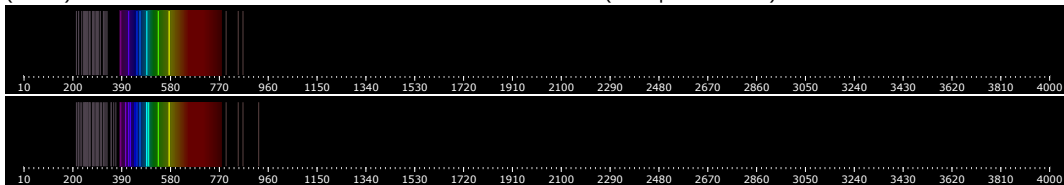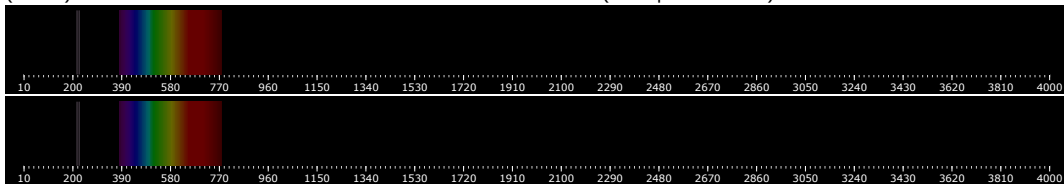(Z=85) At – Emission lines of neutral atom and all lines available (on top and below)

(Z=86) Rn – Emission lines of neutral atom and all lines available (on top and below)

(Z=88) Ra – Emission lines of neutral atom and all lines available (on top and below)

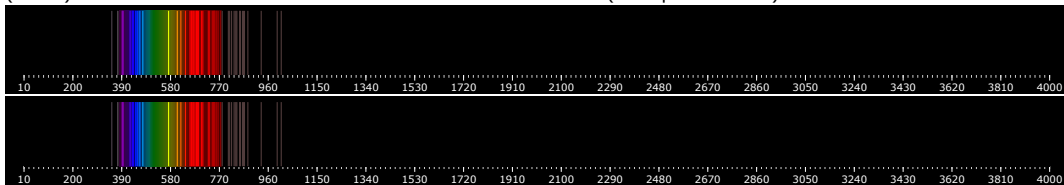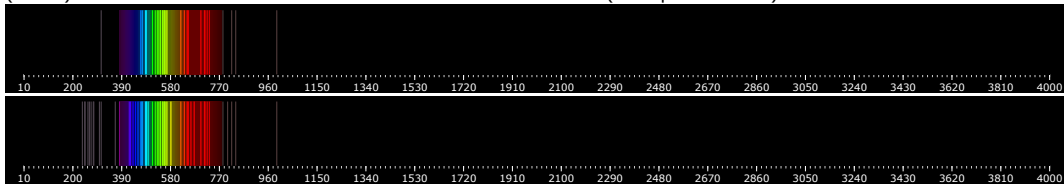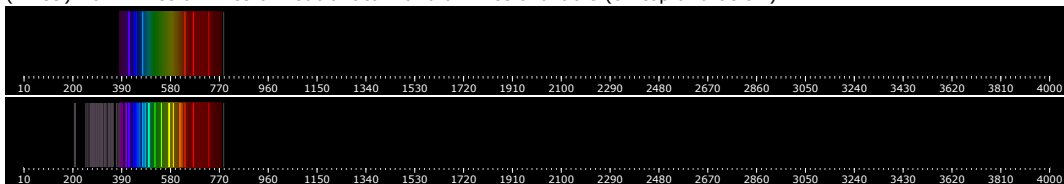(Z=89) Ac – Emission lines of neutral atom and all lines available (on top and below)
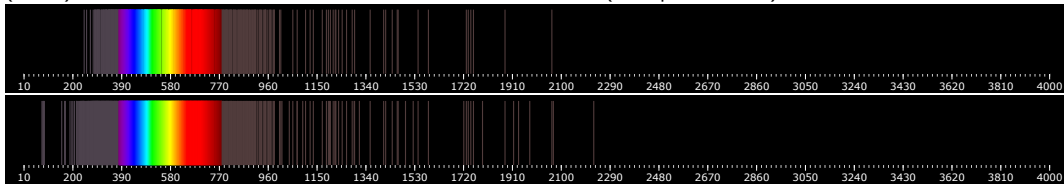
(Z=90) Th – Emission lines of neutral atom and all lines available (on top and below)

(Z=91) Pa – Emission lines of neutral atom and all lines available (on top and below)
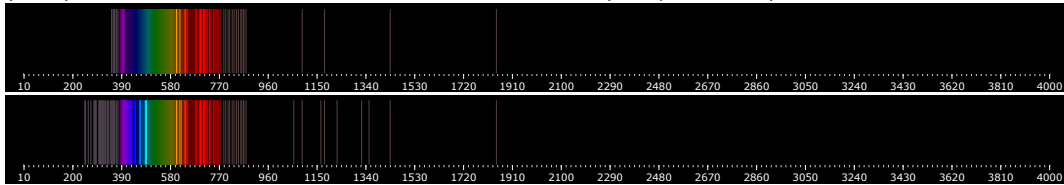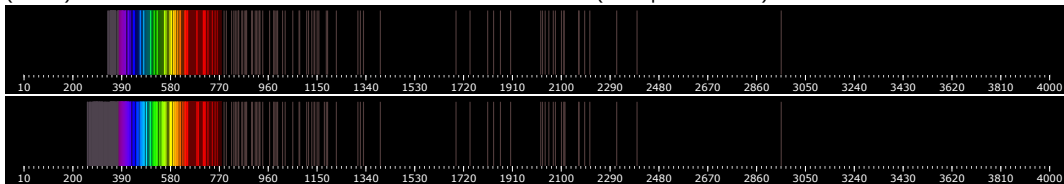
(Z=92) U – Emission lines of neutral atom and all lines available (on top and below)

(Z=93) Np – Emission lines of neutral atom and all lines available (on top and below)

(Z=94) Pu – Emission lines of neutral atom and all lines available (on top and below)

(Z=95) Am – Emission lines of neutral atom and all lines available (on top and below)
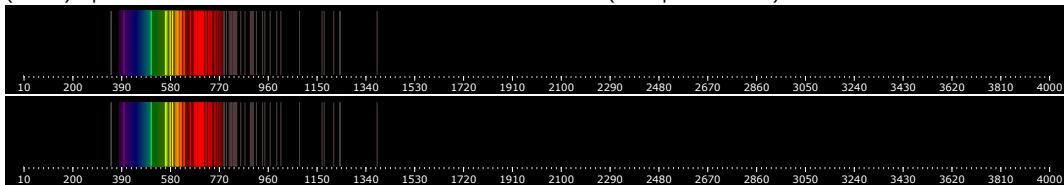
(Z=96) Cm – Emission lines of neutral atom and all lines available (on top and below)
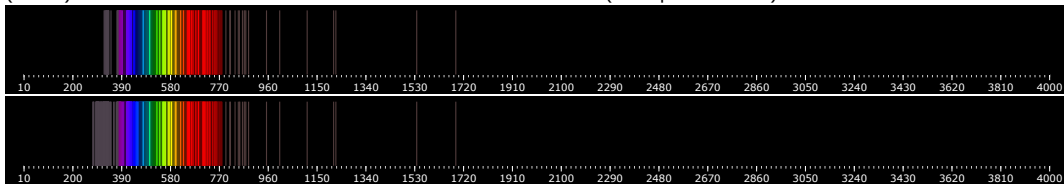
(Z=97) Bk – Emission lines of neutral atom and all lines available (on top and below)
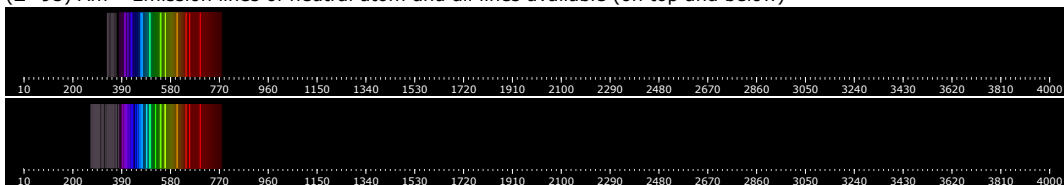
(Z=98) Cf – Emission lines of neutral atom and all lines available (on top and below)
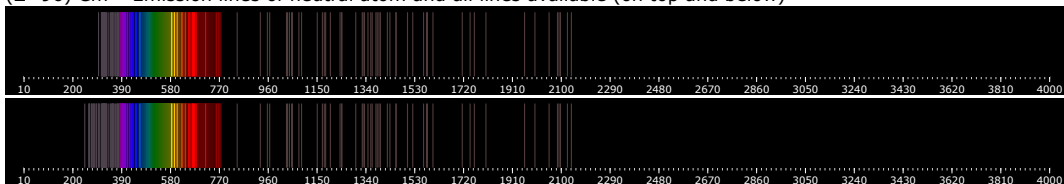
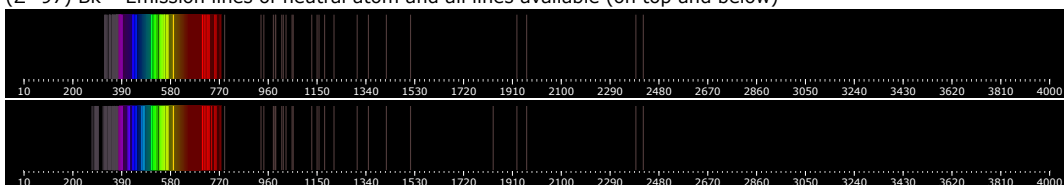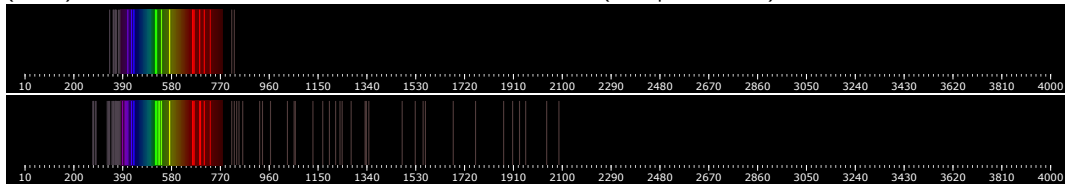(Z=99) Es – Emission lines of neutral atom and all lines available (on top and below)