

Increasing localization

Magnetic moments

4f

Ce Pr Nd Pm Sm Eu Gd Tb Dy Ho Er Tm Yb

5f

Th Pa U Np Pu Am Cm Bk Cf Es Em Md No

3d

Sc Ti V Cr Mn Fe Co Ni Cu

4d

Y Zr Nb Mo Tc Ru Rh Pd Ag

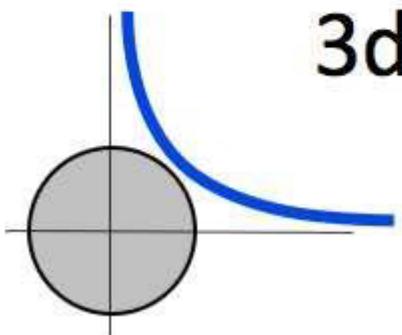
5d

Lu Hf Ta W Re Os Ir Pt Au

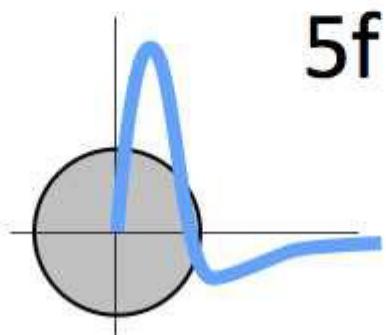
Increasing localization

Superconductivity

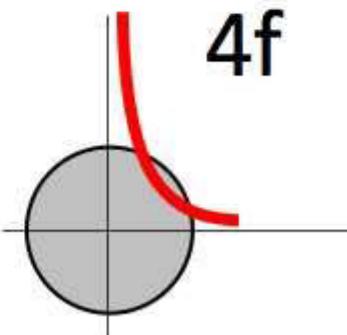
3d



5f



4f



transition

actinide

rare earth