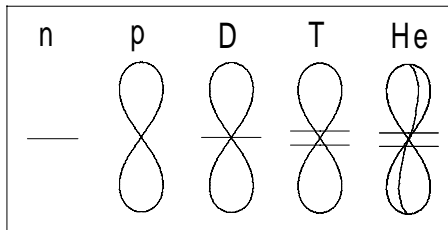
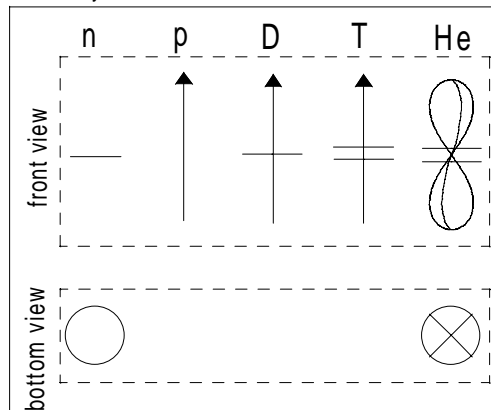


Shape symbols of nuclear atomic structures



Sketch symbols of nuclear atomic structures



scale for structures and quantum orbits

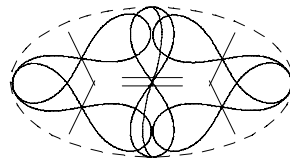


Notations:

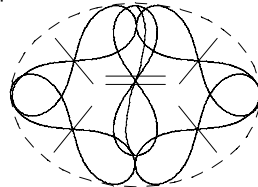
n - neutron  
 p - proton  
 D - deuteron  
 T - Tritium  
 He - Helium  
 Ar - Argon

EB - electronic bond (weak)  
 GB - (intrinsic) gravitational bond (strong)  
 GBclp - (proton) club proximity GB  
 GBpc - polar clamped GB  
 PC - polar connection or clamp for Ar polar GB

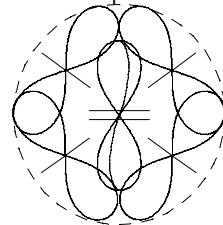
Polar section of Ar



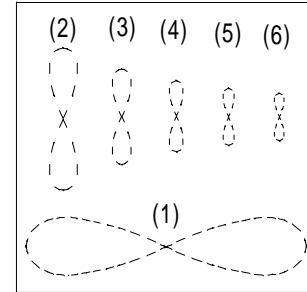
Polar section of Ar for a polar GB in the bottom



Polar section of Ar for two polar GBs

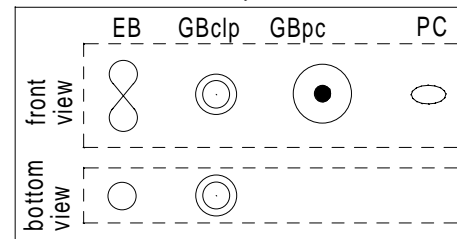


Simple quantum orbits (QOs)

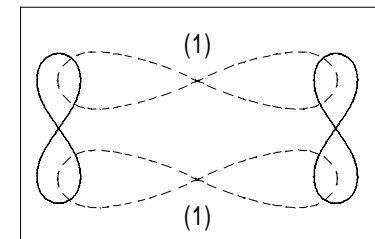


- (1) first harmonic QO (13.6 eV)
- (2) second subharmonic QO (3.4 eV)
- (3) third subharmonic QO (1.51 eV)
- (4) fourth subharmonic QO (0.85 eV)
- (5) fifth subharmonic QO (0.544 eV)
- (6) sixth subharmonic QO (0.377 eV)

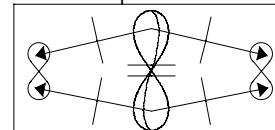
Connection symbols



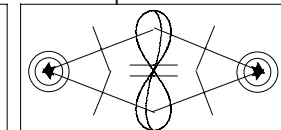
H2 - para state



Example A

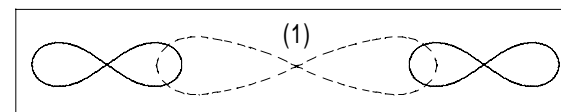


Example B



Example A: Two pairs of Ds connected by EB bonds  
 Example B: Two pairs of Ds connected by GBclp bonds

H2 - ortho state (2 e- with opposite spins in respect to the proton twisting)



Note: QOs for para and ortho states of H2 are normal to the proton's quasiplanes