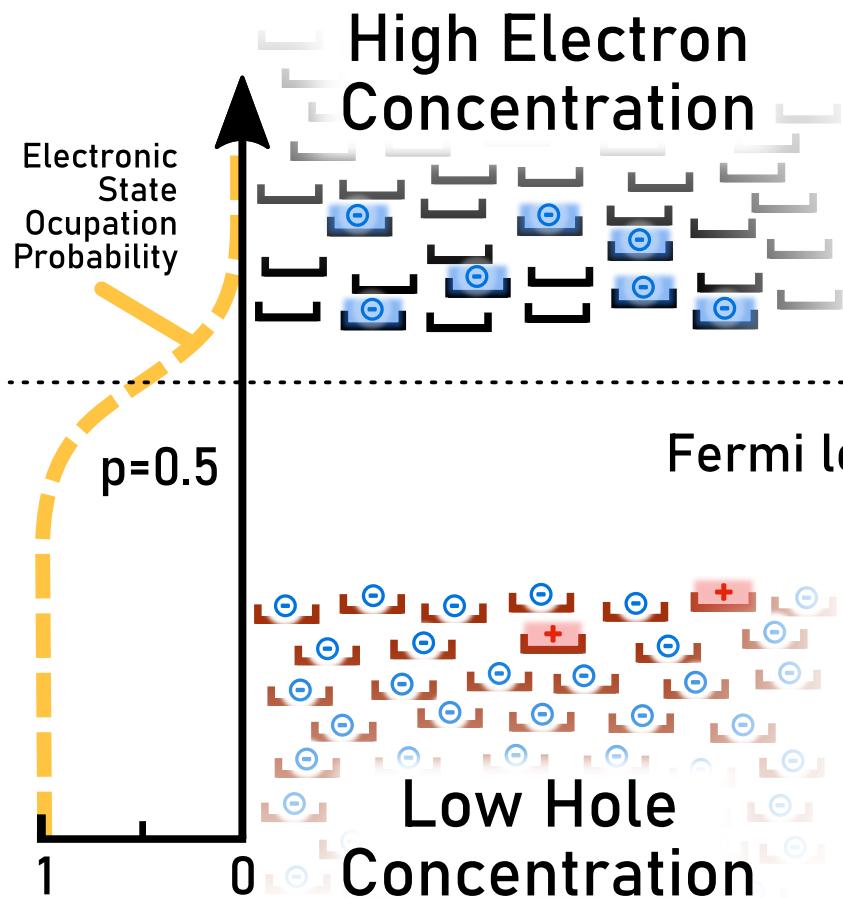# p-type Semiconductor

n-type Semiconductor

Electronic State Ocupation Probability

High Electron Concentration

Low Electron Concentration

Electronic State Ocupation Probability

p=0.5

Fermi level Energy (E_f)

p=0.5

Low Hole Concentration

High Hole Concentration

1   0

0   1