

Constants

$$\hbar = 0.6582 \cdot 10^{-15} \text{ eV s} \quad \text{Planck's constant}$$

$$k_B = 0.8625 \cdot 10^{-4} \text{ eV K}^{-1} \quad \text{Boltzmann constant}$$

$$R = 8.3143 \text{ J mol}^{-1} \text{ K}^{-1}$$

$$R = N_A k_B$$

$$N_A = 6.0222 \cdot 10^{23} \quad \text{Avogadro's number}$$

Bohr magneton:

$$\mu_B = 0.579 \cdot 10^{-4} \text{ eV (Tesla)}^{-1}$$