

$$D = 2.87 \text{ GHz}$$

$$\gamma B_z \text{ MHz} \sim \text{GHz (typ.)}$$

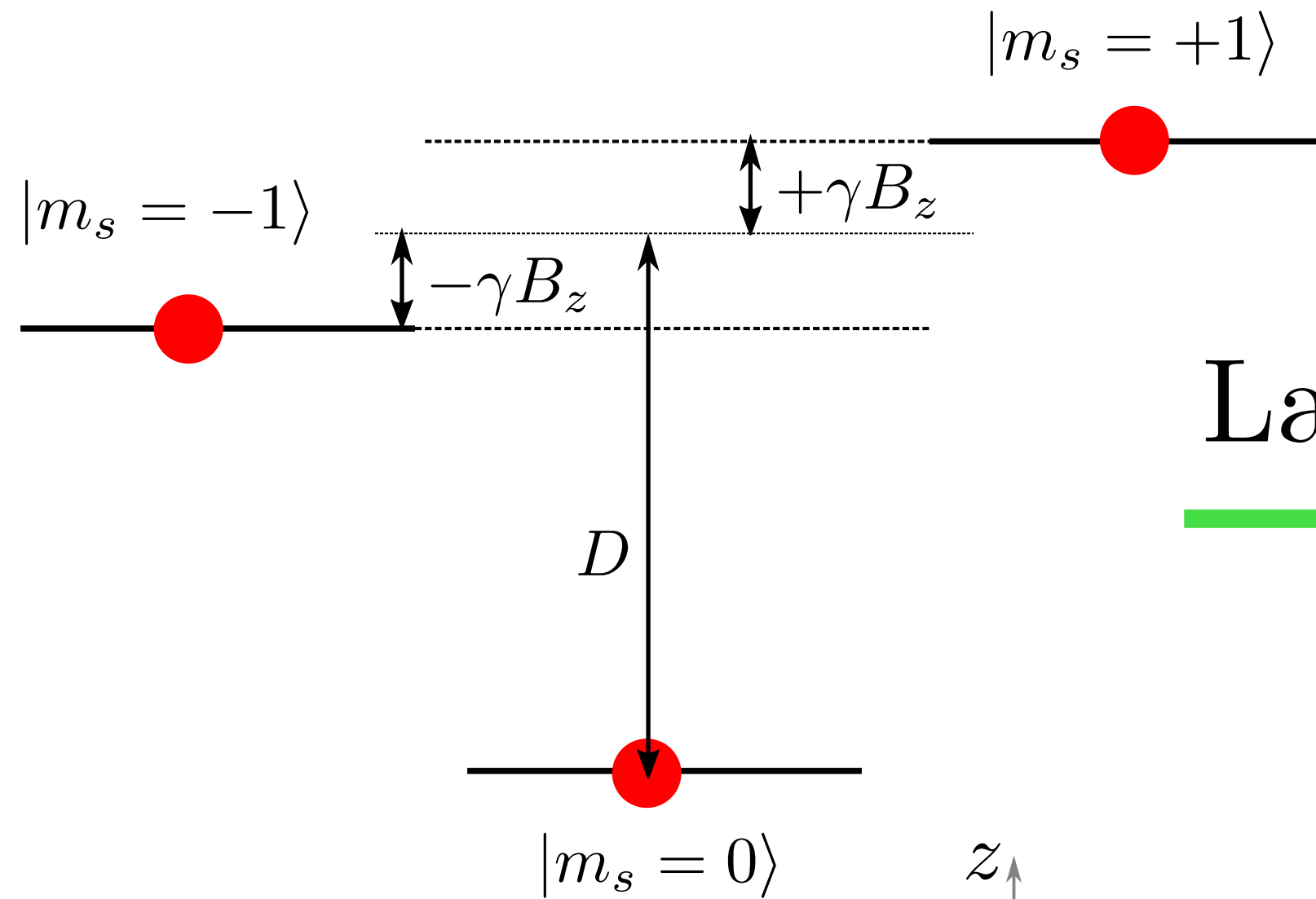
$$k_B T = 6.28 \text{ THz at 300 K}$$

Spin properties (300K) :

$$T_1 \sim \text{ms (phonon limited)}$$

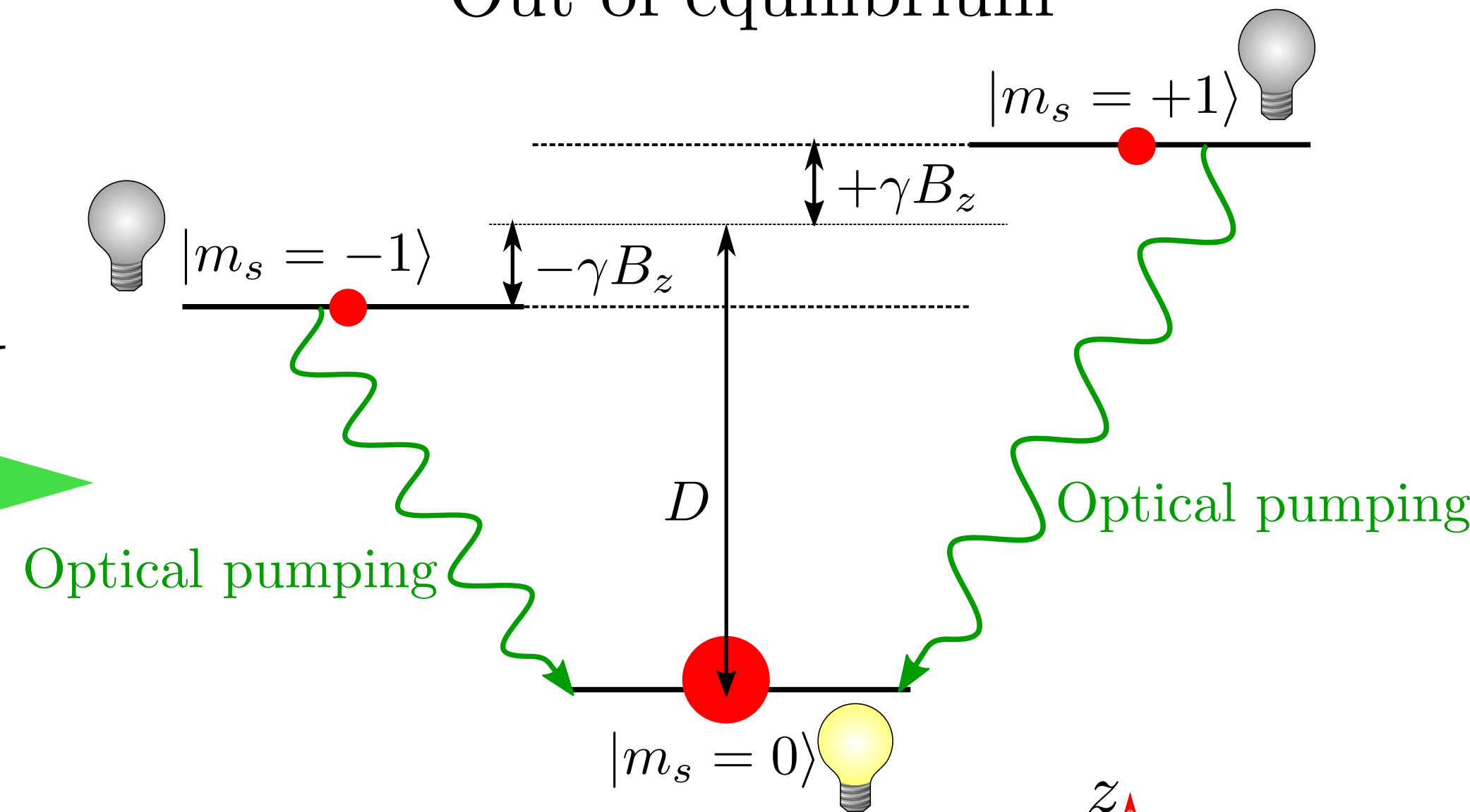
$$T_2^* \sim \mu\text{s (magnetic noise)}$$

Thermal equilibrium

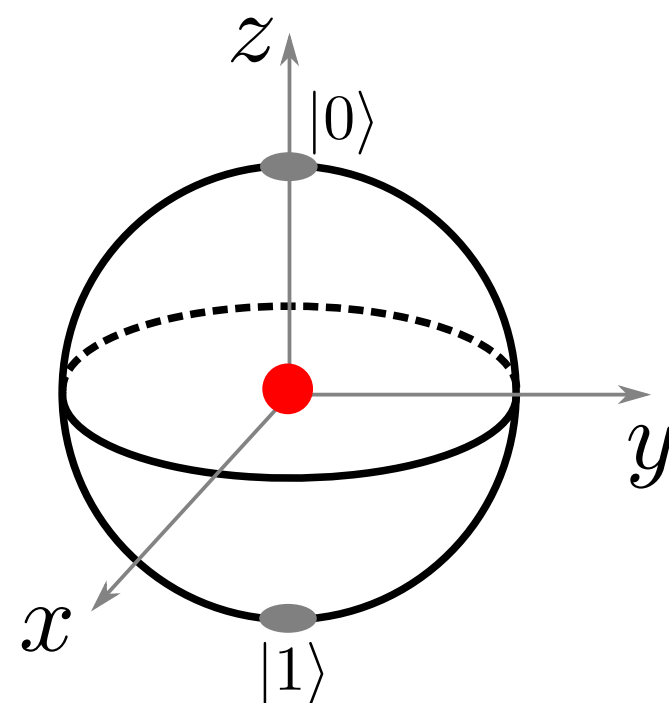


Laser ON

Out of equilibrium



$$\hat{\rho} = \begin{pmatrix} 0.33 & 0 & 0 \\ 0 & 0.33 & 0 \\ 0 & 0 & 0.33 \end{pmatrix}$$



$$\hat{\rho} = \begin{pmatrix} 0.05 & 0 & 0 \\ 0 & 0.9 & 0 \\ 0 & 0 & 0.05 \end{pmatrix}$$

