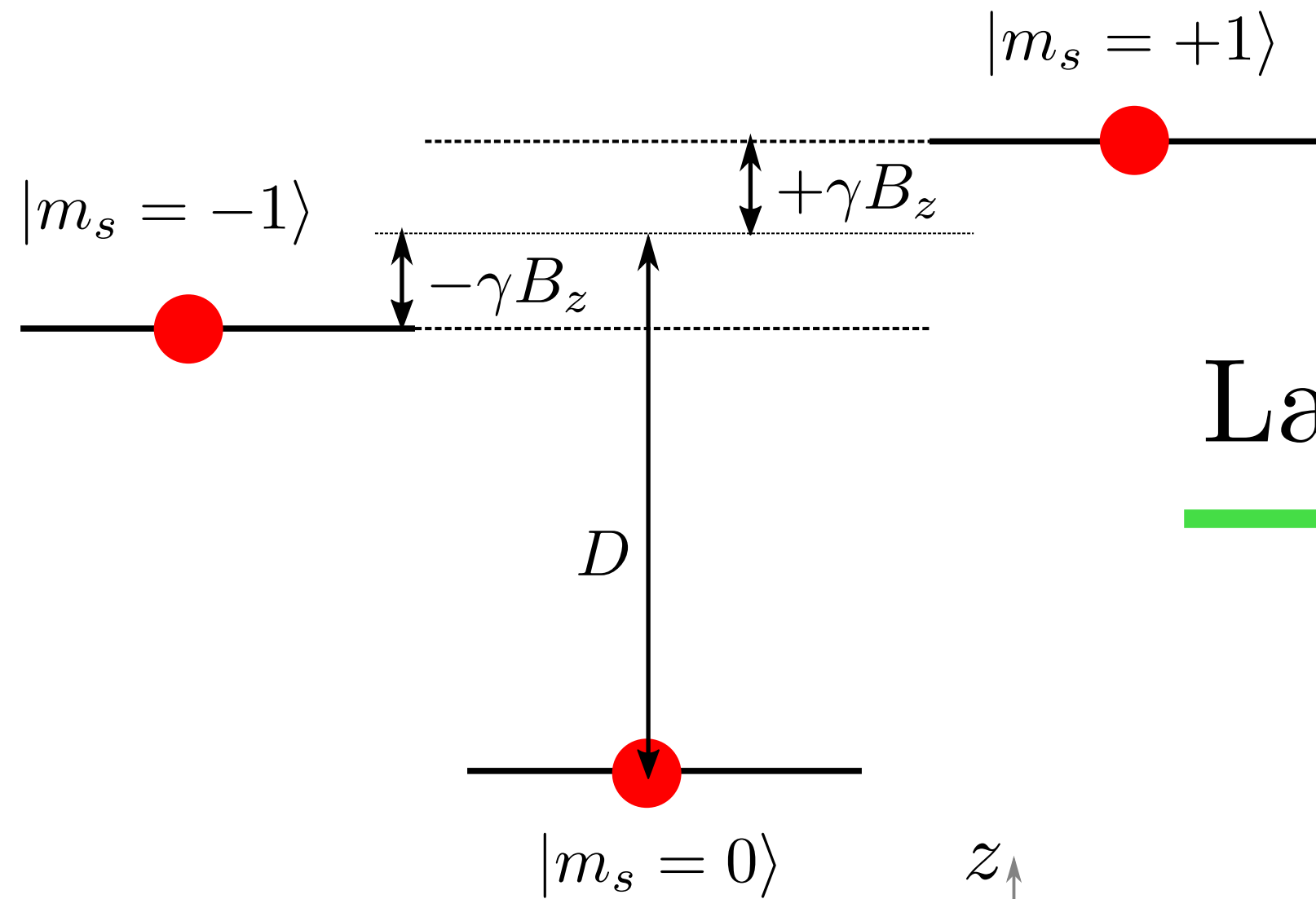
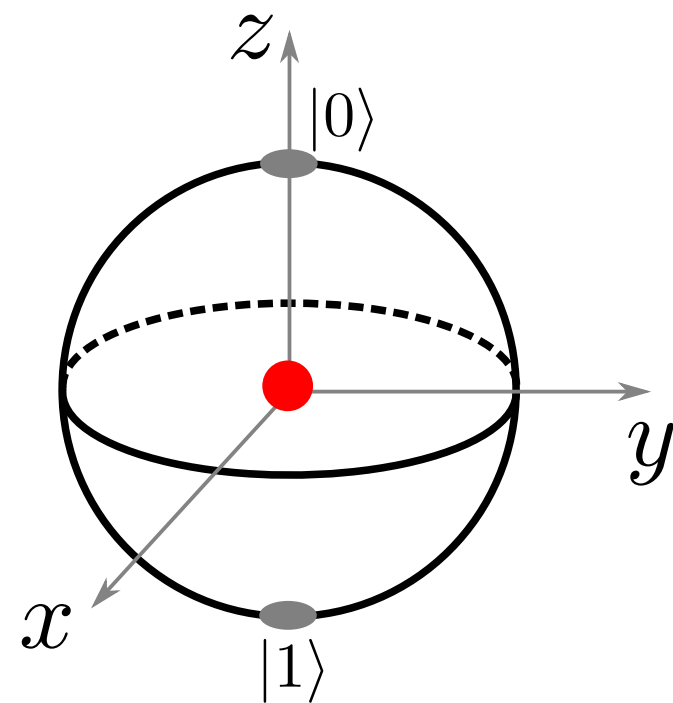


$D = 2.87$  GHz (dipolar interaction between the two unpaired electrons)  
 $\gamma B_z \approx 100$  MHz for usual magnetic fields  
 $k_B T = 6.28$  THz at 300 K

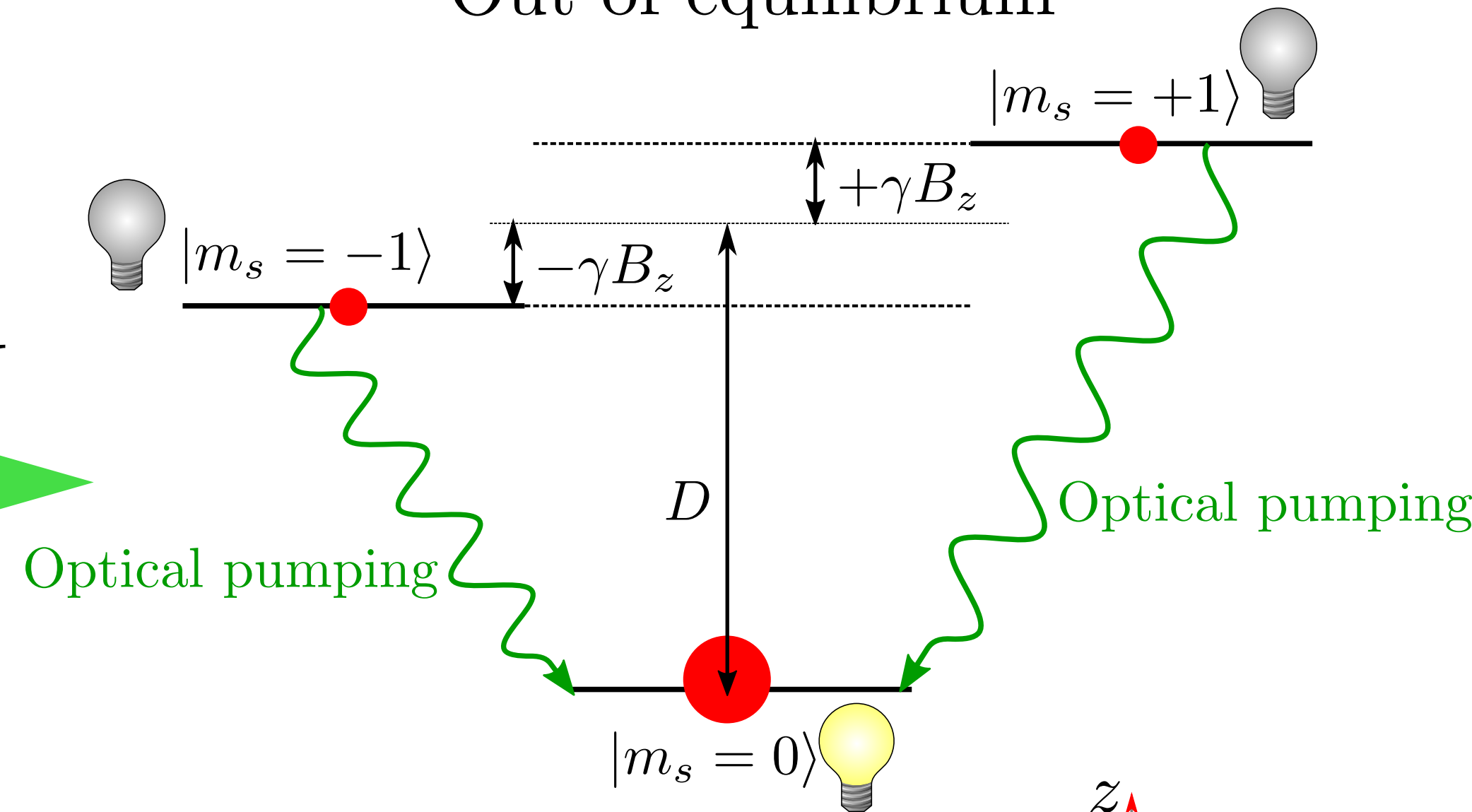
Thermal equilibrium



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



Out of equilibrium



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

