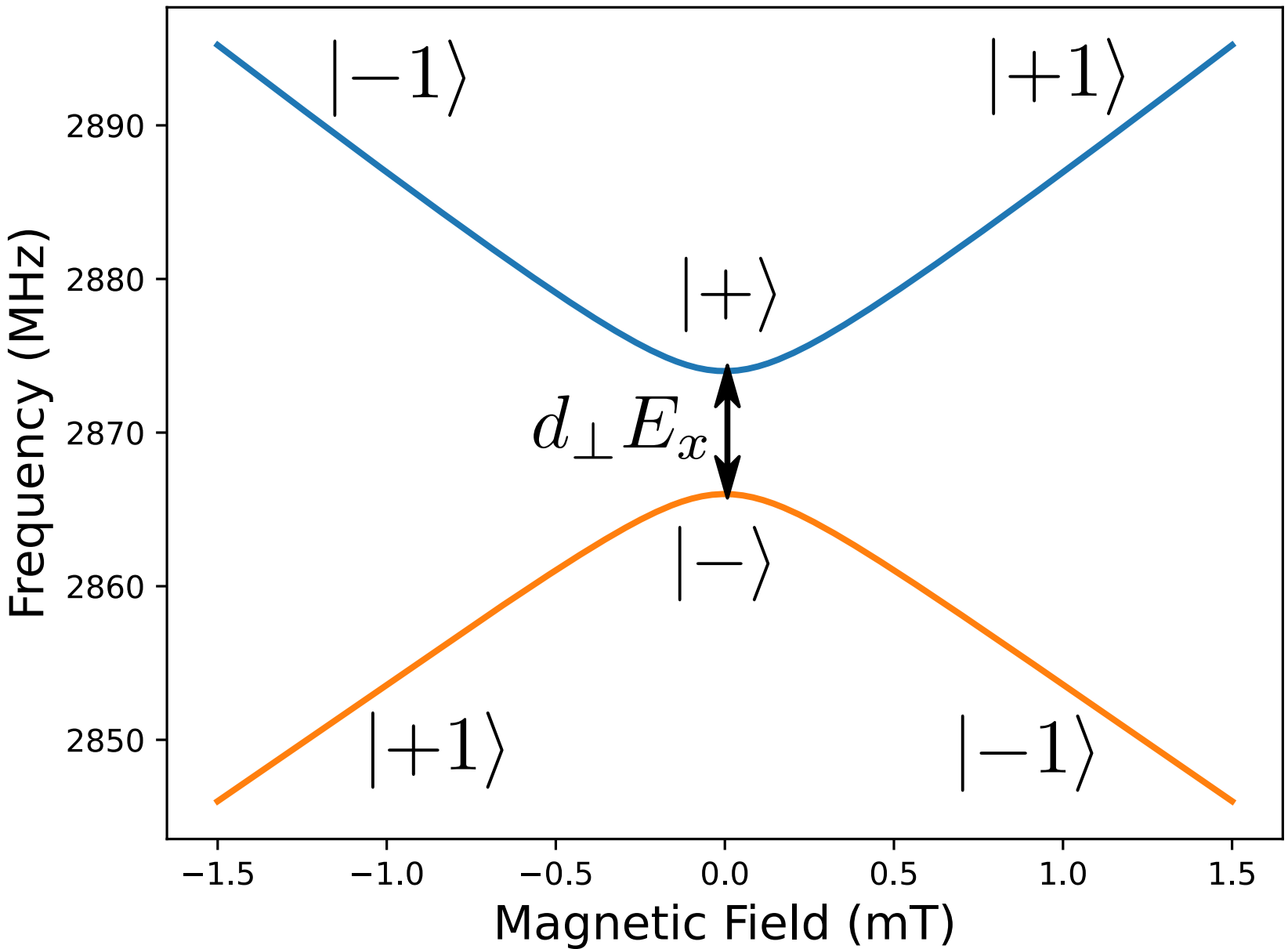
$$\mathcal{H}_0 = \begin{pmatrix} D - \gamma_e B_z & \gamma_e B_x & d_\perp E_x \\ \gamma_e B_x & 0 & \gamma_e B_x \\ d_\perp E_x & \gamma_e B_x & D + \gamma_e B_z \end{pmatrix}$$

D=2870 MHz

$$\gamma_e B_x = 0 - 500 \text{ MHz}$$
$$\gamma_e B_z = 0 - 500 \text{ MHz}$$

$d_\perp E_x \approx 5$ MHz



$$|+\rangle = \frac{|+1\rangle + |-1\rangle}{\sqrt{2}}$$

$$|-\rangle = \frac{|+1\rangle - |-1\rangle}{\sqrt{2}}$$