

1st Eigenvector

$$N_e = 0 \quad s = 0 \quad m_s = 0$$

Irred. Representation : Γ_1

$$E_1 = 0$$

$$\begin{aligned} |\Psi_1\rangle &= |0, 0, 0, \Gamma_1\rangle \\ &= 1 (|0000\rangle) \end{aligned}$$