

96th Eigenvector

$$N_e = 4 \quad s = 2 \quad m_s = -1$$

Irred. Representation : Γ_2

$$E_{96} = \frac{3}{2}(J + 8W)$$

$$\begin{aligned} |\Psi_{96}\rangle &= |4, 2, -1, \Gamma_2\rangle \\ &= \frac{1}{2}(|dddu\rangle + |ddud\rangle + |dudd\rangle + |uddd\rangle) \end{aligned}$$