

## 22<sup>nd</sup> Eigenvector

$$N_e = 2 \quad s = 1 \quad m_s = 0$$

Irred. Representation :  $\Gamma_{4,1}$

$$E_{22} = 2(t + W)$$

$$\begin{aligned} |\Psi_{22}\rangle &= |2, 1, 0, \Gamma_{4,1}\rangle \\ &= \frac{1}{2\sqrt{2}} (|0d0u\rangle + |0du0\rangle + |0u0d\rangle + |0ud0\rangle + |d00u\rangle + |d0u0\rangle + |u00d\rangle + |u0d0\rangle) \end{aligned}$$