

## 35<sup>th</sup> Eigenvector

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

Irred. Representation :  $\Gamma_{5,1}$

$$E_{35} = \frac{1}{2}(J - 4t + 4W)$$

$$\begin{aligned} |\Psi_{35}\rangle &= |2, 1, 1, \Gamma_{5,1}\rangle \\ &= \frac{1}{2}(|00uu\rangle + |0uu0\rangle - |u00u\rangle + |uu00\rangle) \end{aligned}$$