

## 249<sup>th</sup> Eigenvector

$$N_e = 7 \quad s = \frac{1}{2} \quad m_s = -\frac{1}{2}$$

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

$$E_{249} = t + 3U + 36W$$

$$\begin{aligned} |\Psi_{249}\rangle &= |7, \frac{1}{2}, -\frac{1}{2}, \Gamma_{4,1}\rangle \\ &= \frac{1}{2} (|222d\rangle + |22d2\rangle - |2d22\rangle - |d222\rangle) \end{aligned}$$