

## 38<sup>th</sup> Eigenvector

$$N_e = 3 \quad s = \frac{3}{2} \quad m_s = -\frac{3}{2}$$

Irred. Representation :  $\Gamma_2$

$$E_{38} = \frac{3}{2}(J - 2t + 4W)$$

$$\begin{aligned} |\Psi_{38}\rangle &= |3, \frac{3}{2}, -\frac{3}{2}, \Gamma_2\rangle \\ &= \frac{1}{2} (|0ddd\rangle - |d0dd\rangle + |dd0d\rangle - |ddd0\rangle) \end{aligned}$$