

## 216<sup>th</sup> Eigenvector

$$N_e = 5 \quad s = \frac{3}{2} \quad m_s = \frac{3}{2}$$

Irred. Representation :  $\Gamma_2$

$$E_{216} = \frac{3J}{2} + 3t + U + 18W$$

$$\begin{aligned} |\Psi_{216}\rangle &= |5, \frac{3}{2}, \frac{3}{2}, \Gamma_2\rangle \\ &= \frac{1}{2} (|2uuu\rangle - |u2uu\rangle + |uu2u\rangle - |uuu2\rangle) \end{aligned}$$