134th **Eigenvector**

$$N_e \;=\; 4 \qquad s = 1 \qquad m_s = 0$$

Irred. Representation : $\Gamma_{4,3}$

$$E_{134} \;=\; U + 10W$$

$$
\begin{aligned}
|\Psi_{134}\rangle \;&=\; |4,1,0,\Gamma_{4,3}\rangle \\
&=\; \frac{1}{4}\,\big(|02du\rangle + |02ud\rangle - |0du2\rangle - |0ud2\rangle + |20du\rangle + |20ud\rangle - |2du0\rangle - |2ud0\rangle \\
&\qquad\quad + |d02u\rangle + |d20u\rangle + |du02\rangle + |du20\rangle + |u02d\rangle + |u20d\rangle + |ud02\rangle + |ud20\rangle\big)
\end{aligned}
$$