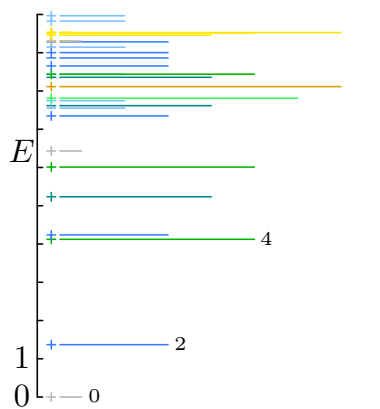
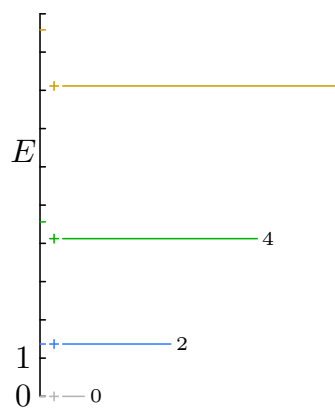


# Rotational Band of Magnesium-24



full spectrum

$^{24}_{12}\text{Mg}$



ground state band

spin:  $-0$   $-\frac{1}{2}$   $-1$   $-\frac{3}{2}$   $-2$   $-\frac{5}{2}$   $-3$   $-\frac{7}{2}$   $-4$   $-\frac{9}{2}$   $-5$   $-\frac{11}{2}$   $-6$   $-\frac{13}{2}$   $-7$   $-\geq \frac{15}{2}$   $-\gt \frac{29}{2}$   $-?$