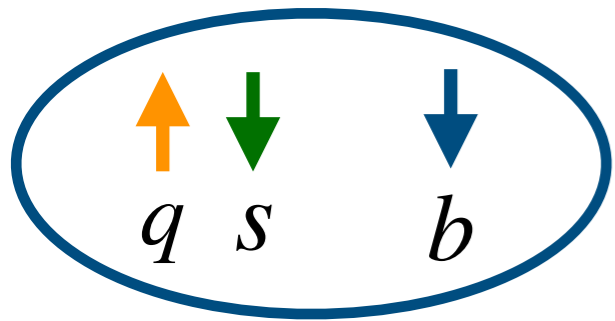
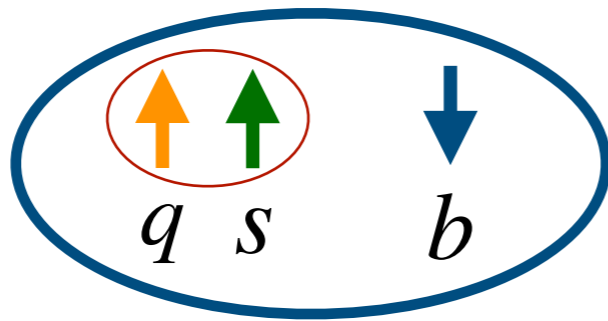


$[\mathbb{H}]_b$ 

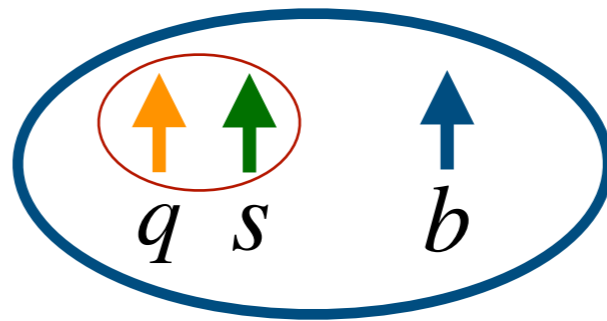
$$j_{qs} = 0$$

$$J^P = \frac{1}{2}^+$$

 $[\mathbb{H}]'_b$ 

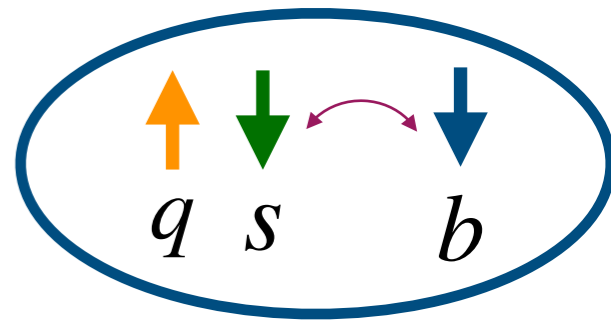
$$j_{qs} = 1$$

$$J^P = \frac{1}{2}^+$$

 $[\mathbb{H}]^*_b$ 

$$j_{qs} = 1$$

$$J^P = \frac{3}{2}^+$$

 $[\mathbb{H}]^{***}_b$ 

$$j_{qs} = 1$$

$$J^P = \frac{1}{2}^- \text{ or } \frac{3}{2}^-$$

$$L = 1$$