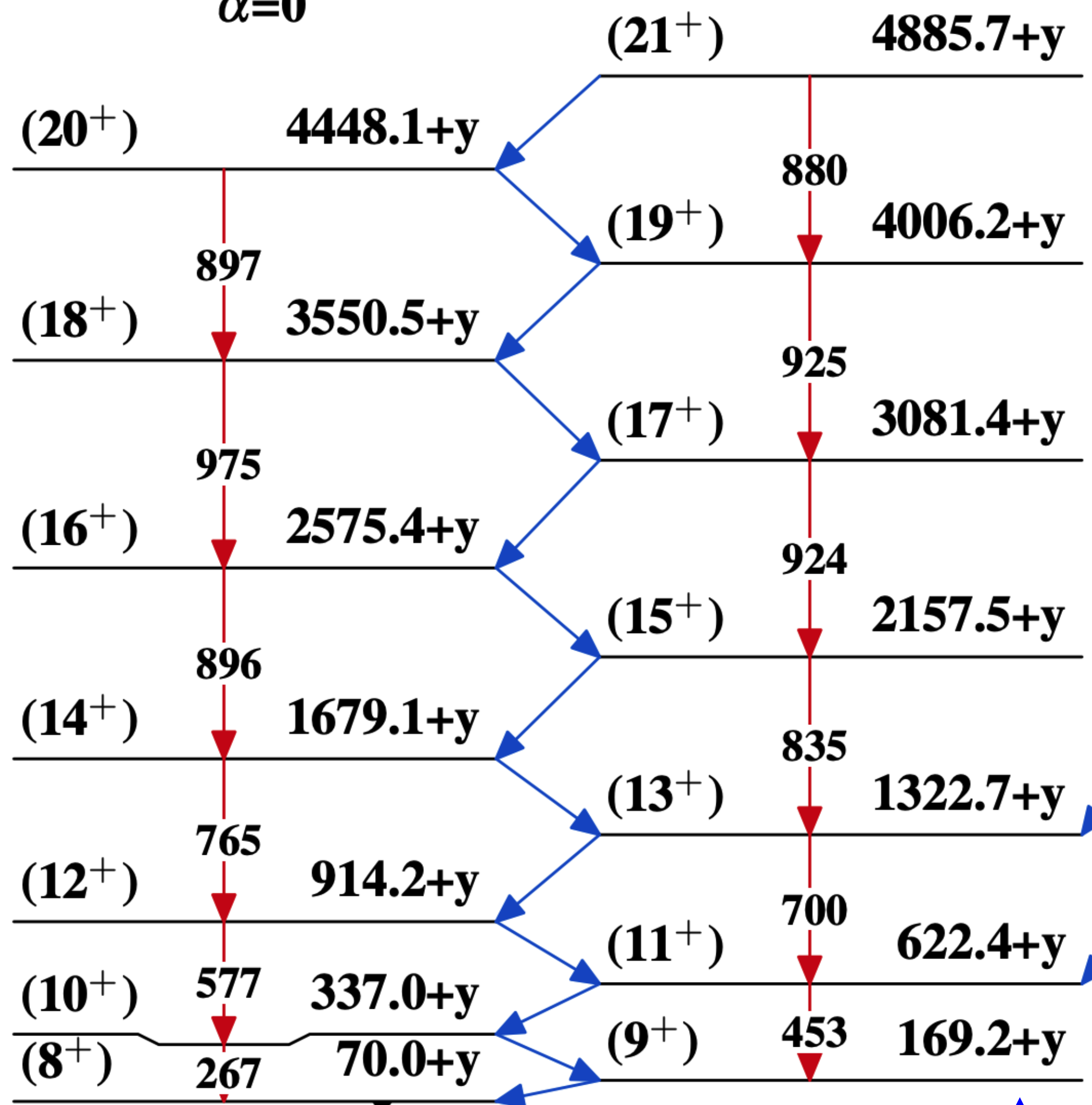
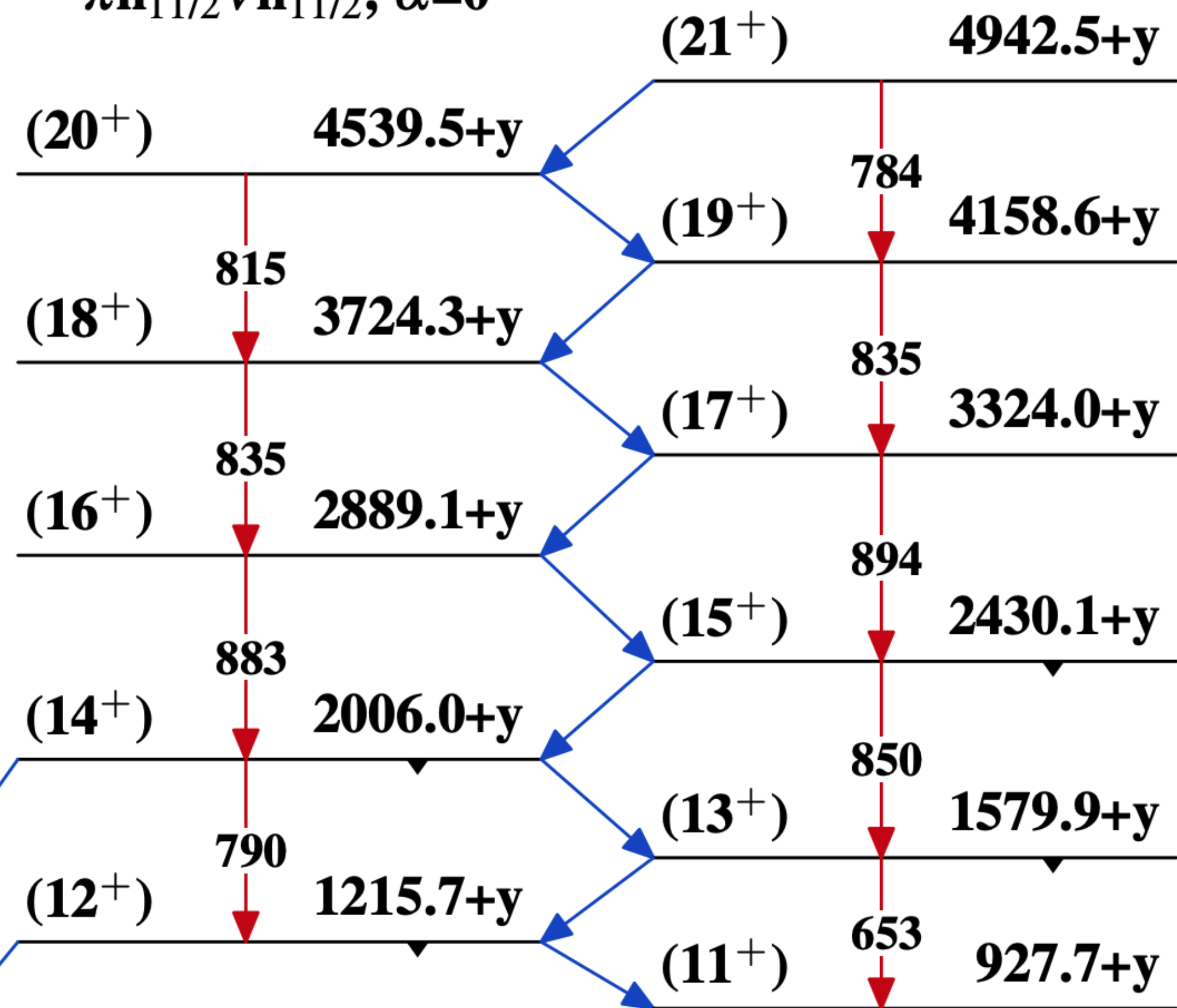


**Band(A):  $\pi h_{11/2} \nu h_{11/2}$ ,  $\alpha=0$**



**Chiral doublet with  $\alpha = 0$**

**Band(B): Chiral doublet structure of  $\pi h_{11/2} \nu h_{11/2}$ ,  $\alpha=0$**



**Chiral doublet with  $\alpha = 1$**