

105 Pd :

- Transverse
- $J = h, j = 11/2$
- 2 bands

133 La :

- longitudinal
- $\pi : (h, j = 11/2) + 1$ proton pair
- 2 bands

135 Pr :

- transverse
- $\pi : (h, j = 11/2)$
- two-excited bands

bottom j -shell proton aligns with the short axis of the triaxial core.

127 Xe :

- longitudinal
- $J, (h, j = 11/2)$
- 4 wobbling bands

neutron on j -shell aligns with the axis of largest MOI

183 Au :

- transverse
- $\pi h_{11/2}, J h_{9/2}$
positive negative
- 2 wobbling bands

→ the positive parity band both LW & TW behavior

187 Au :

- longitudinal
- $h_{9/2}$ proton / admixture of $f_{7/2}$ proton
- 2 wobbling bands