

# Transverse Wobbling: A New Collective Motion in Nuclei



Deformed nuclei usually have an axial shape but may be triaxial in certain circumstances. There are two unique fingerprints of a triaxial nuclear shape: wobbling and chirality. Chirality has been reported in many regions of nuclear chart but wobbling has been observed rather sparingly. In this work we have observed “transverse wobbling” in the nucleus  $^{135}\text{Pr}$ .

