



Contribution ID: 29

Type: **not specified**

## Multiple Chiral Doublet Bands in $^{126}\text{Cs}$

Following the previously observed chiral doublet bands in  $^{126}\text{Cs}$ , a new pair of chiral doublet bands has been proposed. Both two pairs are based on the identical configuration  $\pi h_{11/2} \otimes \nu h_{11/2}$  and may be another candidate of novel type of multiple chiral doublets (“yrast” and “excited”  $M\chi D$ ) first observed in  $^{103}\text{Rh}$ . Theoretical calculations within covariant density functional theory and particle rotor model are also performed.

**Primary authors:** Dr LI, Jian (College of physics, jilin university); Mr LIU, Jiaqiang (College of Physics, Jilin University, Changchun 130012, China); Prof. LU, Jingbin (College of Physics, Jilin University, Changchun 130012, China); Mr LIU, Yonghao (College of Physics, Jilin University, Changchun 130012, China)

**Presenter:** Dr LI, Jian (College of physics, jilin university)