



Contribution ID: 31

Type: **Presentation**

Studying Chirality in Nuclei

Characteristic conditions that should be met for two-quasiparticle chiral bands to reach degeneracy were examined using the two-quasiparticle-plus-rotor model for the $A \sim 100, 130, 190$ mass regions. Previously proposed fingerprints of chirality (like intra- and inter-band B(M1) staggering, energy staggering, etc) were also studied.

Primary author: Mr SHIRINDA, OBED (iThemba LABS/University of the Western Cape)

Co-authors: Dr LAWRIE, ELENA ATANASSOVA (iThemba LABS); Mr MASITENG, LUKISI PAULUS (iThemba LABS/University of the Western Cape); Prof. LINDSAY, ROBERT (University of the Western Cape)

Presenter: Mr SHIRINDA, OBED (iThemba LABS/University of the Western Cape)

Track Classification: Track B - Nuclear, Particle and Radiation Physics