



ID de Contribution: 13

Type: Non spécifié

## Experimental studies on the nuclear chirality in SDU

*mardi 11 juillet 2023 14:30 (30 minutes)*

In the last decade, chiral symmetry in atomic nuclei has attracted significant attention and become one of the hot topics in current nuclear physics frontiers. This presentation provides a review of experimental studies on nuclear chirality in Shandong University. These studies found a new chiral mass region ( $A \sim 80$ ), tested the chiral geometry of  $^{80}\text{Br}$  and  $^{76}\text{Br}$  by lifetime measurements. In addition, simultaneous breaking of chirality and other symmetries have been studied in  $^{74}\text{As}$ ,  $^{76}\text{Br}$ ,  $^{78}\text{Br}$ ,  $^{80}\text{Br}$ , and  $^{81}\text{Kr}$ .

**Authors:** LIU, Chen (Shandong University, Weihai); WANG, ShouYu (Shandong University); QI, Bin (Shandong University)

**Orateur:** LIU, Chen (Shandong University, Weihai)

**Classification de Session:** Session