

Structure study of the neutron-rich nuclei beyond ^{132}Sn via in-beam γ -ray spectroscopy at RIBF

Wednesday, 20 February 2013 12:10 (20 minutes)

The structure of the nuclei around doubly magic nucleus ^{132}Sn ($Z=50, N=82$) is of great importance from the nuclear structure point of view as well as the nuclear astrophysics point of view. The newly commissioned rare isotope facilities in the RIBF provide great opportunities to explore this region. We have investigated the structure of the nuclei beyond ^{132}Sn via an in-beam γ -ray spectroscopy technique by using high energy RI beams produced by in-flight fission of a ^{238}U primary beam at the BigRIPS fragment separator. We will report the new results from our experiment.

Primary author: WANG, He (RIKEN Nishina Center)

Presenter: WANG, He (RIKEN Nishina Center)

Session Classification: SAMURAI Experiments and Status of Performed Experiments I