



国立研究開発法人理化学研究所 仁科加速器研究センター
第219回 RIBF核物理セミナー
RIKEN Nishina Center for Accelerator Based Science
The 219th RIBF Nuclear Physics Seminar

Extension of the N=40 Island of Inversion towards N=50 below ^{78}Ni with
MINOS at the RIBF

Dr. Clementine Santamaria

MINOS, a thick liquid hydrogen target coupled to a vertex tracker, has been developed to extend the reach of exotic nuclei to further the knowledge in nuclear structure. With the SEASTAR program allying MINOS with DALI2 at RIBF, a systematic measurement of the first excited states of even-even exotic nuclei is performed by gamma-ray spectroscopy.

After a brief description of MINOS and the experimental setup, results of the first SEASTAR campaign will be presented on neutron-rich Cr and Fe isotopes, tackling the evolution of the deformed nuclei beyond N=40 below ^{78}Ni .

Jun 10th (Fri.) 2016 13:30 ~
RIBF Hall (rm.201), RIBF bldg., RIKEN

* The talk will be given in English language..

Contact: Nuclear Physics Seminar Organizing Committee
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