



独立行政法人理化学研究所 仁科加速器研究センター
第96回RIBF核物理セミナー

RIKEN Nishina Center for Accelerator Based Science
The 96th RIBF Nuclear Physics Seminar

Discovery of 42 new isotopes and 13 new isomer
using 345 MeV/u U beam with BigRIPS

Dr. Naohito Inabe (BigRIPS team)

A search for new isotopes and new isomers using in-flight fission of a 345 MeV/nucleon ^{238}U beam has been carried out at the RI Beam Factory at the RIKEN Nishina Center. Fission fragments were analyzed and identified by using the superconducting in-flight separator BigRIPS. Among fission fragments we observed the 42 new neutron-rich isotopes and 13 isomers in the region of $Z=25\sim 54$. Details of the experimental setups and analysis of new isotopes and isomers search will be presented in this seminar.

Mar. 9(Tue), 2010 13:30-
RIBF Conf. Hall, RIKEN

The seminar will be given in English.

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