Contribution ID: **11** Type: **not specified**

Isomer decay spectroscopy of neutron-rich 92-94 Se

92-94Se were studied experimentally via gamma-ray decay spectroscopy.
The experiment was conducted at the RIBF-RIKEN factilicty, where In-flight fission of 238U was used as production mechanism of the exotic nuclei. The BigRIPS Fragment separator was used to select and deliver the RIB. The nuclei were identified via Z and A/Q determination using the ZeroDegree spectrometer and implanted in the AIDA stopper placed at the center of the EURICA HPGe detector array. New transitions on all the nuclei studied were detected allowing to extend the corresponding level schemes. The isomeric state of 94Se studied in this work has been observed for the first time. The origin of the observed isomeric states is discussed and the experimental results are compared to up-to-date calculations.
Supported by NuSTAR DA unter grant No. 05P12RDFN8.

Primary authors: Mr OBERTELLI, Alexandre (CEA Saclay); Mr LIZARAZO, Cesar (GSI / T.U. Darmstadt); Dr NITA, Cristina-Roxana (Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering (IFIN-HH)); Prof. PIETRALLA, Norbert (TU Darmstadt); Dr SÖDESTRÖM, P.-A. (TU Darmstadt - RIKEN); Dr DOORNENBAL, Pieter (RIKEN); Dr WERNER, Volker (TU Darmstadt)

Presenter: Mr LIZARAZO, Cesar (GSI / T.U. Darmstadt)