

Spectroscopic and isomeric study of very neutron rich Iron isotopes

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In the region of the neutron rich iron isotopes, around the r-process starting point, only few spectroscopic information is available. We aim to determine life times, beta and isomeric decays and built first level schemes in 70-72Fe and around. We plan to use the unique combination of the high beam intensities available at RIKEN together with BigRIPS-ZeroDegree spectrometer and the EURICA and DSSSD pixel array.

Primary author: BENZONI, Giovanna (INFN)

Co-authors: WATANABE, Hiroshi (RIKEN); WIELAND, Oliver (INFN)

Presenters: BENZONI, Giovanna (INFN); WIELAND, Oliver (INFN)

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