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Decay spectroscopy of fission products including beta-delayed neutron emission at the HRIBF (Oak Ridge)

Tuesday, 22 May 2012 14:00 (1 hour)

The decay studies of fission products performed at the Holifield Radioactive Ion Beam Facility operating between 1996 and 2012 at Oak Ridge will be presented.

The published results include beta-delayed neutron branching ratio measurements for several Cu, Zn and Ga isotopes. New spectroscopy measurements reaching up to ^{79}Cu , ^{83}Zn , ^{86}Ga , ^{86}Ge and ^{87}As will be discussed. The selected results from the studies involving a hybrid system of ^3He counters and beta-gamma set up as well as recent campaigns with Modular Total Absorption Spectrometer and VANDLE neutron time flight detector will be presented.

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