

Abstract Submitted
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The β decays of $^{75,77}\text{Cu}$ S.V. ILYUSHKIN, J.A. WINGER, Miss. St., K.P. RYKACZEWSKI, C.J. GROSS, D. STRACENER, ORNL, R. GRZYWACZ, S.N. LIDDICK, I. DARBY, S. PADGETT, U. Tenn., J.C. BATCHELDER, UNIRIB, E.F. ZGANJAR, LSU — The newly designed Low-energy Radioactive Ion Beam Spectroscopy Station (LeRIBSS) at the HRIBF was implemented in order to study properties of neutron-rich nuclei. Isotopes of interest are produced by proton-induced fission in a uranium carbide target. Ions are separated using the high-resolution injector magnet and delivered to LeRIBSS, which consists of a universal detector support and a new fast moving tape collector. Using negative ions and adjusting the high-resolution magnet slits and field allowed us to obtain high purity beams with good rate. In particular a rate of about 3000 pps was reached for ^{75}Cu . Results of beta and beta-delayed neutron decay studies of $^{75,77}\text{Cu}$ will be discussed. Funded by DOE grant DE-FG02- 96ER41006.

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