

Abstract Submitted
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Gamma spectroscopy with neutron spectroscopy around $N=50$, 82 ¹ IAN COX, MIGUEL MADURGA, ROBERT GRZYWACZ, RIN YOKOYAMA, THOMAS KING, MANINDER SINGH, Univ of Tennessee, Knoxville, VANDLE COLLABORATION, IDS COLLABORATION — Nuclear beta-decay presents a selective probe to study the daughter nucleus, where this selectivity can be exploited to study the properties of states involving specific single-particle orbits. Neutron single-hole orbitals in ^{133}Sn were studied in the beta-decay of ^{133}In at the ISOLDE facility, CERN. Gamma ray were detected by a High-purity Germanium detector clover and delayed neutrons were detected with the IDS neutron time-of-flight detector. Preliminary results showing gamma emission from neutron unbound states will be shown.

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Ian Cox
Univ of Tennessee, Knoxville

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