

^{132}In

The discovery of ^{132}In was described in the 1973 article “The First Excited State in the Doubly-Closed-Shell Nucleus ^{132}Sn Populated in the 0.12 s β^- -Decay of ^{132}In ” by Kerek et al. (1973Ke06). ^{132}In was produced by neutron induced fission of ^{235}U at Studsvik, Sweden, and identified utilizing the OSIRIS separator. “A 0.12 ± 0.02 s beta activity assigned to the decay of ^{132}In and populating an excited state of 4041 ± 2 keV in the doubly-closed-shell nucleus $^{132}_{50}\text{Sn}_{82}$ has been observed.”

Adapted from reference (2011Am01)

1973Ke06 A. Kerek, G. B. Holm, L. E. De Geer, and S. Borg, Phys. Lett. B **44**, 252 (1973).

2011Am01 S. Amos, J. L. Gross, and M. Thoennessen, At. Data Nucl. Data Tables **97**, 383 (2011).

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”