

^{154}Nd

^{154}Nd was discovered by Wilhelmy et al. from the University of California at Berkeley in 1970 in “Ground-State Bands in Neutron-Rich Even Te, Xe, Ba, Ce, Nd, and Sm Isotopes Produced in the Fission of ^{252}Cf ” (1970Wi16). The isotope was observed in the spontaneous fission of a ^{252}Cf source. The identification was based on coincidence measurements of both fission fragments and K-x-rays. Gamma-rays for several isotopes were measured and the results were only displayed in a table. The first 3 γ -ray transitions were measured for ^{154}Nd and listed in a table. The ground state half-life (26(2) s) was measured fifteen years later by Karlewski et al. (1985Ka17).

Adapted from reference (2012Gr02)

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- 2012Gr02 J. L. Gross, J. Claes, J. Kathawa, and M. Thoennessen, At. Data Nucl. Data Tables **98**, 75 (2012).

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)”