

^{154}Pr

“Identification of a new isotope ^{154}Pr ” by Kawase and Okano described the first observation of ^{154}Pr in 1988 ([1988Ka16](#)). A ^{235}U target was irradiated with neutrons from the Kyoto reactor and ^{154}Pr was identified by measuring γ rays following on-line mass separation. “The Nd-K X-rays and 10 γ -rays have been assigned to be generated by the β -decay of ^{154}Pr . The half-life had been determined to be 2.3(1) s, which is not far from the theoretical predictions of 1.5 s and 4.0 s.”

Adapted from reference ([2012Ma48](#))

[1988Ka16](#) Y. Kawase and K. Okano, Z. Phys. A **330**, 231 (1988).

[2012Ma48](#) E. May and M. Thoennessen, At. Data Nucl. Data Tables **98**, 960 (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)”