

## **<sup>229</sup>Fr**

In 1975, the discovery of <sup>229</sup>Fr by Ravn et al. was announced in the paper “Short-lived isotopes of alkali and alkaline-earth elements studied by on-line isotope separator techniques” (1975Ra03). A thorium plus lanthanum target was bombarded with protons from the CERN synchrocyclotron. Beta-ray decay curves were measured with a 4π plastic detector following mass separation with the isotope separator ISOLDE. “The following half-lives of new nucleides have been determined: ... <sup>229</sup>Fr (50±20) sec.”

Adapted from reference (2013Fr09)

1975Ra03 H. L. Ravn, S. Sundell, L. Westgaard, and E. Roeckl, J. Inorg. Nucl. Chem. **37**, 383 (1975).

2013Fr09 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 497 (2013).

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)”