

^{145}Cs

^{145}Cs was first observed in 1971 by Tracy et al. in the article “Half-lives of the new isotopes ^{99}Rb , ^{98}Sr , $^{145-146}\text{Cs}$ ” (1971Tr02). Fission fragments from the bombardment of 50 MeV protons on ^{238}U at the Grenoble cyclotron were studied. Beta-particles were measured at the end of an on-line mass spectrometer: “The new isotopes ^{99}Rb , ^{98}Sr and $^{145-146}\text{Cs}$ were observed and their half-life measured.” The reported half-life of 563(27) ms for ^{145}Cs was listed in a table.

Adapted from reference (2012Ma48)

1971Tr02 B. L. Tracy, J. Chaumont, R. Klapisch, J. M. Nitschke *et al.*, Phys. Lett. B **34**, 277 (1971).

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)”