

⁹⁹Rb

⁹⁹Rb was first observed in 1971 by Tracy et al. in the article “Half-lives of the new isotopes ⁹⁹Rb, ⁹⁸Sr, ^{145–146}Cs” (1971Tr02). Fission fragments from the bombardment of 50 MeV protons on ²³⁸U at the Grenoble cyclotron were studied. Beta-particles were measured at the end of an on-line mass spectrometer: “On-line mass spectrometer techniques for the separation of Rb and Cs have been used to detect products from the 50 MeV proton induced fission of ²³⁸U. The new isotopes ⁹⁹Rb, ⁹⁸Sr and ^{145–146}Cs were observed and their half-life measured.” The measured half-life of 76(5) ms was listed in a table.

Adapted from reference (2012Pa21)

- 1971Tr02 B. L. Tracy, J. Chaumont, R. Klapisch, J. M. Nitschke *et al.*, Phys. Lett. B **34**, 277 (1971).
- 2012Pa21 A. M. Parker and M. Thoennessen, At. Data Nucl. Data Tables **98**, 812 (2012).

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