^{98}Rb

^{98}Rb was first observed in 1971 by Tracy et al. in the article "Half-lives of the new isotopes ^{99}Rb, ^{98}Sr, $^{145-146}$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: "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 ^{238}U. The new isotopes ^{99}Rb, ^{98}Sr and $^{145-146}$Cs were observed and their half-life measured. Also the half-life of ^{98}Rb was measured for the first time." The measured half-lives of 136(8) ms was listed in a table. The observation of ^{98}Rb was not considered a discovery because of a previous publication in a conference proceeding (1967Am06).

Adapted from reference (2012Pa21)

1967Am06 I. Amarel, R. Bernas, J. Chaumont, R. Foucher *et al.*, Ark. Fys. **36**, 77 (1967).

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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