# $^{94}$Rb

$^{94}$Rb was observed for the first time as reported in the 1961 paper "Half-lives of $Rb^{94}$, $Sr^{94}$, $Y^{94}$, $Rb^{95}$, $Sr^{95}$, $Y^{95}$" by Fritze et al. (1961Fr03). A $^{235}$U solution was irradiated in the McMaster University research reactor and $^{94}$Rb was identified by timed precipitations. "The existence of a new rubidium isotope, $Rb^{94}$, has been established and its half-life measured. The half-life of this fission product was determined using the technique of timed precipitations. The value obtained for $Rb^{94}$ was 2.9±0.3 seconds."

Adapted from reference (2012Pa21)


1961Fr03 K. Fritze, T. J. Kennett, and W. V. Prestwich, Can. J. Chem. **39**, 675 (1961).

2012Pa21 A. M. Parker and M. Thoennessen, At. Data Nucl. Data Tables **98**, 812 (2012).



Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"