

¹¹³Ru

Penttila et al. reported the first observation of ¹¹³Ru in the 1988 paper “Half-Life Measurements for Neutron-Rich Tc, Ru, Rh, and Pd Isotopes. Identification of the New Isotopes ¹¹¹Tc, ¹¹³Ru, and ¹¹³Rh” (1988Pe13). ¹¹³Ru was produced at the University of Jyväskylä in Finland by proton-induced fission of ²³⁸U. The isotopes were separated with the IGISOL on-line isotope separator and identified by γ -ray, x-ray, and β -ray emissions. “Several strong transitions attributed to the beta decays of ¹¹³Rh and ¹¹³Ru were observed at the A = 113 position... Hence, these results should be taken as the first observation of the decay of ¹¹³Ru.” An earlier report of a 3 s half-life (1978Fr16) was incorrect.

Adapted from reference (2012Ny02)

- 1978Fr16 G. Franz and G. Herrmann, J. Inorg. Nucl. Chem. **40**, 945 (1978).
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