

^{180}Yb

In 1987, Runte et al. identified ^{180}Yb in the paper entitled “The decay of the new isotope ^{180}Yb and the search for the r-process path to ^{180m}Ta ” (1987Ru04). A 15 MeV/u ^{186}W beam from the GSI UNILAC bombarded a tungsten/tantalum target and ^{180}Yb was produced in multi-nucleon transfer reactions. Beta-, gamma- and X-ray spectra of recoil products mass separated with the GSI on-line mass separator were measured. “Irradiating ^{nat}W Ta targets with ^{186}W , the decay of the new isotope ^{180}Yb was observed and its half-life determined to be 2.4(5) min.”

Adapted from reference (2013Fr10)

1987Ru04 E. Runte, W. D. Schmidt-Ott, W. Eschner, I. Rosner *et al.*, *Z. Phys. A* **328**, 119 (1987).

2013Fr10 C. Fry and M. Thoennessen, *At. Data Nucl. Data Tables* **99**, 520 (2013).

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