

¹⁸⁹Hf

Alkhomashi et al. observed ¹⁸⁹Hf in the 2009 paper “ β^- -delayed spectroscopy of neutron-rich tantalum nuclei: Shape evolution in neutron-rich tungsten isotopes” (2009A130). A beryllium target was bombarded with a 1 GeV/nucleon ²⁰⁸Pb beam from the SIS-18 heavy-ion synchrotron at GSI, Germany. Projectile-like fragments were separated with the FRS and implanted in a series of double-sided silicon strip detectors where correlated β -decay was measured in coincidence with γ -rays in the γ -ray spectrometer RISING. Although not specifically mentioned in the text, evidence for ¹⁸⁹Hf is clearly visible in the two-dimensional particle identification plot.

Adapted from reference (2012Gr19)

2009A130 N. Alkhomashi, P. H. Regan, Zs. Podolyak, S. Pietri *et al.*, Phys. Rev. C **80**, 064308 (2009).

2012Gr19 J. L. Gross and M. Thoennessen, At. Data Nucl. Data Tables **98**, 983 (2012).

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