^{190}Ta

Alkhomashi et al. observed ^{190}Ta in the 2009 paper "β^--delayed spectroscopy of neutron-rich tantalum nuclei: Shape evolution in neutron-rich tungsten isotopes" (2009Al30). A beryllium target was bombarded with a 1 GeV/nucleon ^{208}Pb 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. "The insets of [the figure] show the time spectra associated with β decays of ^{188}Ta, ^{190}Ta, and ^{192}Ta, gated on discrete γ-ray lines identified in the tungsten daughter nuclei."

Adapted from reference (2012Ro36)

2009Al30 N. Alkhomashi, P. H. Regan, Zs. Podolyak, S. Pietri *et al.*, Phys. Rev. C **80**, 064308 (2009).

2012Ro36 R. Robinson and M. Thoennessen, At. Data Nucl. Data Tables **98**, 911 (2012).

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