^{179}Ta

Wilkinson discovered ^{179}Ta as reported in the paper "Neutron deficient radioactive isotopes of tantalum and wolfram" in 1950 (1950Wi67). The Berkeley 60-in cyclotron was used to bombard lutetium with 20, 30, and 38 MeV α-particles and hafnium with 10 MeV protons. Decay curves were measured following chemical separation. "$\sim$600 day Ta^{179}: ... The isotope is not formed by decay of wolfram parents of half-life greater than one hour, and since no short-lived tantalum daughters of the 30-min. wolfram activity definitely allocated to mass 179 have been found, it is most likely that the 600-day activity has mass 179."

Adapted from reference (2012Ro36)

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