^{196}Au

McMillan et al. from the University of California at Berkeley identified ^{196}Au for the first time in 1937 in "Neutron-Induced Radioactivity of the Noble Metals" (1937Mc04). Following the irradiation of a gold target with fast neutrons produced with a deuteron beam on lithium, activities of 13 h and 4-5 d were observed. "This leads to some difficulty in placing the 13-hr. and 4-5-day periods in the system of isotopes, since only one space (Au^{196}) satisfies the necessary conditions for both of them." These half-lives correspond to an isomeric and the ground state of ^{196}Au.

Adapted from reference (2010Sc35)

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