

^{181}W

In 1947, Wilkinson identified ^{181}W at the University of California, Berkeley, as reported in “A New Isotope of Tungsten” (1947Wi03). By bombarding 20 MeV deuterons from the Crocker Laboratory cyclotron on a thin tantalum foil ^{181}W was produced in the reaction $^{181}\text{Ta}(d, 2n)^{181}\text{W}$. Electrons, X-rays, and γ rays were measured. “The tungsten fraction contained a previously unreported, single radioactivity of half-life 140 ± 2 days.”

Adapted from reference (2010Fr08)

1947Wi03 G. Wilkinson, *Nature* **160**, 864 (1947).

2010Fr08 A. Fritsch, J. Q. Ginepro, M. Heim, A. Schuh *et al.*, *At. Data Nucl. Data Tables* **96**, 315 (2010).

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