

¹⁸¹Au

Siivola discovered ¹⁸¹Au in 1968 at the University of California at Berkeley using a ¹⁹F beam on a ¹⁶⁸Yb target and was also discussed in “Alpha-Active Gold Isotopes” (1968Si01). Studying the alpha spectra “gives the mass numbers of the 5.073, 5.343, 5.482 and 5.623 MeV alpha groups as 185, 183 and 181, respectively. The isotope ¹⁸¹Au appears to have two alpha groups.” The half-life was determined to be 11.5(1) s.

Adapted from reference (2010Sc35)

1968Si01 A. Siivola, Nucl. Phys. A **109**, 231 (1968).

2010Sc35 A. Schuh, A. Fritsch, J. Q. Ginepro, M. Heim *et al.*, At. Data Nucl. Data Tables **96**, 307 (2010).

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