

¹⁵⁰Pr

“New isotope ¹⁵⁰Pr” was published in 1970 by Ward et al. documenting their observation of ¹⁵⁰Pr ([1970Wa37](#)). A sample of enriched ¹⁵⁰Nd was bombarded with 14.7 MeV neutrons produced by the ³H(d,n)⁴He reaction from the Arkansas 400-kV Cockroft-Walton accelerator. “In the present investigation, a new 6.1-sec β^- - and γ -ray activity was observed from the fast-neutron bombardment of enriched ¹⁵⁰Nd metal and was assigned to ¹⁵⁰Pr based on its decay characteristics.” Previous observation of 66 keV and 74 keV γ rays ([1970Wa05](#)) were incorrect.

Adapted from reference ([2012Ma48](#))

- [1970Wa05](#) R. L. Watson, J. B. Wilhelmy, R. C. Jared, C. Ruge *et al.*, Nucl. Phys. A **141**, 449 (1970).
[1970Wa37](#) T. E. Ward, N. A. Morcos, and P. K. Kuroda, Phys. Rev. C **2**, 2410 (1970).
[2012Ma48](#) E. May and M. Thoennessen, At. Data Nucl. Data Tables **98**, 960 (2012).

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