

^{124}Pr

The first observation of ^{124}Pr was reported by Wilmarth et al. in their 1986 paper entitled “Beta-delayed proton emission in the lanthanide region” ([1986Wi15](#)). ^{124}Pr was produced in heavy-ion induced fusion evaporation reactions at the Berkeley Super HILAC. Beta-delayed particles, X-rays and γ -rays were measured following mass separation with the on-line isotope separator OASIS. “A β -delayed proton activity with a half-life of 1.2 ± 0.2 s was assigned to the new isotope ^{124}Pr on the basis of the Ce x-rays observed in coincidence with the protons.”

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

[1986Wi15](#) P. A. Wilmarth, J. M. Nitschke, R. B. Firestone, and J. Gilat, *Z. Phys. A* **325**, 485 (1986).

[2012Ma48](#) E. May and M. Thoennessen, *At. Data Nucl. Data Tables* **98**, 960 (2012).

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