

⁹⁷Pd

⁹⁷Pd was first identified in 1969 by Aten and Kapteyn from the Instituut voor Kernfysisch Onderzoek in Amsterdam, in “Palladium-97” (1969At01). An enriched ⁹⁶Ru target was irradiated with 15–22 MeV ³He beams and ⁹⁷Pd was formed in the (³He,2n) reaction. Decay curves and γ -ray spectra were measured following chemical separation. “There is, however, also an activity present in these samples with a half-life of 3.3 ± 0.3 min. Presumably we are dealing with ⁹⁷Pd, as, at least with 15 MeV He³⁺ ions, the energy would not be sufficient for a (³He,3n) process.”

Adapted from reference (2013Ka01)

- 1969At01 A. H. W. Aten Jr. and J. C. Kapteyn, *Radiochim. Acta* **12**, 218 (1969).
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