

¹⁸⁶Pt

Baranov et al. reported the first identification of ¹⁸⁶Pt in the 1960 article “New Iridium and Platinum Isotopes: Ir¹⁸⁴ and Pt¹⁸⁷” (1960Ba43). The isotopes were produced by bombarding a gold target with 660 MeV protons from the Dubna Joint Institute for Nuclear Research synchrocyclotron and identified following chemical separation. “We obtained for Pt¹⁸⁶ a period of 2.5±0.3 hours, which is in good agreement with the data of Smith & Hollander.” Smith & Hollander (1955Sm42) had assigned a half-life of 2.5 h to ¹⁸⁷Pt based on the γ -ray spectra of the daughter ¹⁸⁷Ir. However, the assignment of the observed γ -rays was later changed to ¹⁸⁶Ir (1958Di44). Similar half-lives were reported by some of the same authors in the same issue (1960Ma28). About 6 months later the observation of ¹⁸⁶Pt was independently reported by Albouy et al. (1960Al20).

Adapted from reference (2011Am01)

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