

²⁰⁷At

²⁰⁷At was identified by Barton et al. and published in the 1951 paper “Radioactivity of astatine isotopes” ([1951Ba14](#)). ²⁰⁹Bi was irradiated with ⁴He beams of up to 380 MeV from the Berkeley 184-in. cyclotron. Alpha spectra were recorded with an alpha-pulse analyzer following chemical separation. “At 75 Mev a new activity appeared having a half-life of about 2 hr, and this has been assigned to At²⁰⁷ formed by the (α ,6n) reaction.”

Adapted from reference ([2013Fr09](#))

[1951Ba14](#) G. W. Barton Jr., A. Ghiorso, and I. Perlman, Phys. Rev. **82**, 13 (1951).
[2013Fr09](#) C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 497 (2013).

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