

²⁰⁵Bi

²⁰⁵Bi was discovered in “Polonium isotopes produced with high energy particles” by Karraker and Templeton in 1951 ([1951Ka03](#)). Natural lead and bismuth targets were bombarded with helium beams and protons and deuterons, respectively, from the 184-in Berkeley cyclotron. Conversion electrons and γ -rays were measured with a beta-spectrometer and a Geiger counter, respectively, following chemical separation. “The half-life of Bi²⁰⁵ produced by the decay of Po²⁰⁵ was found to be 14.5 days.”

Adapted from reference ([2013Fr04](#))

[1951Ka03](#) D. G. Karraker and D. H. Templeton, Phys. Rev. **81**, 510 (1951).

[2013Fr04](#) C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 365 (2013).

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