

²⁰⁰Bi

In 1950, Neumann and Perlman described the first observation of ²⁰⁰Bi in “Isotopic assignments of bismuth isotopes produced with high energy particles” ([1950Ne77](#)). Lead targets were bombarded with 100 MeV protons and deuterons from the Berkeley 184-inch cyclotron and ²⁰⁰Bi was identified following chemical separation measuring α - and β -activities with a mica end-window Geiger tube and a parallel plate chamber, respectively. “35-Min. Bi²⁰⁰: The assignment of this isotope is based upon the assignment of the 27-hr thallium to Tl²⁰⁰. The decay sequence starts with 35-min. Bi²⁰⁰, the daughter of which is an 18-hr. lead activity.”

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

[1950Ne77](#) H. M. Neumann and I. Perlman, Phys. Rev. **78**, 191 (1950).

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

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