

²⁰⁹Bi

In 1924, Aston reported the observation of ²⁰⁹Bi in “The mass-spectra of cadmium, tellurium, and bismuth” ([1924As05](#)). Metallic bismuth was ground in the anode mixture of the Cavendish mass spectrometer. “This hope was realized with an anode containing metallic bismuth, and a single line appeared in the expected position – 209. This line is very faint, and owing to the great mass lies in an unfavorable part of the plate, but there seems no reason to doubt that bismuth is a simple element of mass number 209, as recent determinations of its atomic weight suggest.”

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

[1924As05](#) F. W. Aston, *Nature* **114**, 717 (1924).

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

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