

¹¹¹Cd

In 1924, Aston reported the first observation of ¹¹¹Cd in “The mass-spectra of cadmium, tellurium, and bismuth” ([1924As05](#)). The mass spectra were measured at the Cavendish Laboratory in Cambridge, UK: “By the use of an anode containing cadmium fluoride, rays were obtained which though feeble, gave satisfactory results with long exposures and the most highly sensitised schumannised plates. Cadmium is a very complex element, having six isotopes: 110 (c), 111 (e), 112 (b), 113 (d), 114 (a), 116 (f)... The intensities of the lines are in the order of the letters and agree reasonably with the chemical atomic weight 112.41.”

This assignment was changed from the original compilation ([2010Am04](#)) which credited a later paper by Aston ([1925As02](#)).

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

[1925As02](#) F. W. Aston, Phil. Mag. **49**, 1191 (1925).

[2010Am04](#) S. Amos and M. Thoennessen, At. Data Nucl. Data Tables **96**, 855 (2010).

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”