

⁸⁵Rb

The discovery of stable ⁸⁵Rb was reported by Aston at the Cavendish Laboratory in Cambridge, UK, in his 1921 paper “The constitution of the alkali metals” ([1921As03](#)). The positive anode ray method was used to identify ⁸⁵Rb with the Cavendish mass spectrograph. “Rubidium (atomic weight 85.45) gives two lines two units apart of relative intensity about 3 to 1. Comparison with the potassium line 39 gives these the masses 85 and 87 to within a fraction of a unit.”

Adapted from reference ([2012Pa21](#))

[1921As03](#) F. W. Aston, *Nature* **107**, 72 (1921).

[2012Pa21](#) A. M. Parker and M. Thoennessen, *At. Data Nucl. Data Tables* **98**, 812 (2012).

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