

⁴⁰Ar

In 1920, ⁴⁰Ar was first measured by Aston in “The constitution of the elements” (1920As01). The isotope was identified in a mass spectrometer at Cambridge, England. “Argon (atomic weight 39.88 Ramsay; 39.91 Leduc) gives a very strong line exactly at 40, with double charge at 20 and triple charge at $13\frac{1}{3}$. The last line, being closely bracketed by known reference lines at 13 and, 14, provides very trustworthy values.”

Adapted from reference (2012Th10)

1920As01 F. W. Aston, *Nature* **105**, 8 (1920).

2012Th10 M. Thoennessen, *At. Data Nucl. Data Tables* **98**, 933 (2012).

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