

⁴⁴Ca

⁴⁴Ca was first observed by Dempster in 1922 at the Ryerson Physical Laboratory of the University of Chicago. He reported his result in “Positive-ray Analysis of Potassium, Calcium and Zinc” ([1922De01](#)). Positive-ray analysis was used to identify ⁴⁴Ca. “With the calcium thus prepared it was found that the component at 44 was still present, and was approximately 1/70 as strong as the main component. We therefore conclude that calcium consists of two isotopes with atomic weights 40 and 44.”

Adapted from reference ([2011Am01](#))

[1922De01](#) A. J. Dempster, Phys. Rev. **20**, 631 (1922).

[2011Am01](#) S. Amos, J. L. Gross, and M. Thoennessen, At. Data Nucl. Data Tables **97**, 383 (2011).

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)”