

⁵⁶Cu

The 1987 paper “Direct Observation of New Proton Rich Nuclei in the Region $23 \leq Z \leq 29$ Using a 55 A·MeV ⁵⁸Ni Beam”, reported the first observation of ⁵⁶Cu by Pougheon et al. ([1987Po04](#)). The fragmentation of a 55 A·MeV ⁵⁸Ni beam at GANIL on nickel and aluminum targets was used to produce proton-rich isotopes which were separated with the LISE spectrometer. Energy loss, time of flight, and magnetic rigidity measurements were made. “The spectra show evidence for ⁵⁶Cu and ⁵⁵Cu (1420 and 75 events respectively).”

Adapted from reference ([2012Ga06](#))

[1987Po04](#) F. Pougheon, J. C. Jacmart, E. Quiniou, R. Anne *et al.*, *Z. Phys. A* **327**, 17 (1987).

[2012Ga06](#) K. Garofali, R. Robinson, and M. Thoennessen, *At. Data Nucl. Data Tables* **98**, 356 (2012).

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)”