

⁴⁸Fe

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 ⁴⁸Fe at GANIL by Pougheon et al. ([1987Po04](#)). The fragmentation of a 55 A·MeV ⁵⁸Ni beam on a nickel target 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 such that “⁴⁸Fe is clearly identified with 27 counts.”

Adapted from reference ([2010Sc18](#))

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

[2010Sc18](#) A. Schuh, A. Fritsch, M. Heim, A. Shore, and M. Thoennessen, *At. Data Nucl. Data Tables* **96**, 817 (2010).

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