

^{155}Pr

Van Schelt et al. reported the observation of ^{155}Pr in the 2012 paper “Mass measurements near the r-process path using the Canadian Penning Trap mass spectrometer” (2012Va02). ^{252}Cf fission fragments were captured in a helium gas catcher and their mass measured in the Canadian Penning Trap mass spectrometer at Argonne National Laboratory. “ ^{155}Pr : There are no previous mass measurements of this nuclide, direct or indirect. The AME03 extrapolates a mass excess of $-55.780(300)$ MeV (2003Au03), which is 1.2σ from our result of $-55.416(30)$ MeV.”

2003Au03 G. Audi, A. H. Wapstra, and C. Thibault, Nucl. Phys. A **729**, 337 (2003).
2012Va02 J. Van Schelt, D. Lascar, G. Savard, J. A. Clark *et al.*, Phys. Rev. C **85**, 045805 (2012).

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