^{56}Zn

^{56}Zn was first observed by Giovinazzo et al. in the 2001 paper, "First Observation of ^{55}Zn" (2001Gi10). The GANIL cyclotrons accelerated a ^{58}Ni beam to 74.5 MeV/nucleon, which then bombarded a natural nickel target. The isotopes were separated with the SISSI/LISE3 facility and identified in a three-element silicon implantation telescope. "In order to accept a count as a valid event, each value of the parameters had to lie within a two-FWHM window of the determined central position. The results of this analysis is presented in [the figure]. We observe 17 counts of ^{56}Zn and 14 counts of ^{55}Zn."

Adapted from reference (2012Gr02)

2001Gi10 J. Giovinazzo, B. Blank, C. Borcea, M. Chartier *et al.*, Eur. Phys. J. A **11**, 247 (2001).

2012Gr02 J. L. Gross, J. Claes, J. Kathawa, and M. Thoennessen, At. Data Nucl. Data Tables **98**, 75 (2012).

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