^{43}V

The 1987 paper "Direct Observation of New Proton Rich Nuclei in the Region 23≤Z≤29 Using a 55A·MeV ^{58}Ni Beam", reported the first observation of ^{43}V at the Grand Accélérateur National d'Ions Lourds (GANIL) in Caen, France, by Pougheon et al. (1987Po04). The fragmentation of a 55 A·MeV ^{58}Ni beam on a nickel target was used to produce proton-rich isotopes which were separated with the LISE spectrometer. "Using magnetic separation and identification through time of flight and $\delta E \times E$ measurements the nucleus ^{43}V is observed for the first time." 180 counts of ^{43}V were observed.

Adapted from reference (2010Sh05)

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

2010Sh05 A. Shore, A. Fritsch, M. Heim, A. Schuh, and M. Thoennessen, At. Data Nucl. Data Tables **96**, 351 (2010).

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