^{55}V

Nathan et al. reported the discovery of ^{55}V in their 1977 article "β-Decay of $^{54-55}$V and the Mass of ^{55}V" (1977Na17). ^{9}Be ions were accelerated to 20 MeV by the Brookhaven MP6 tandem Van de Graaff and ^{55}V was produced in the fusion-evaporation reaction ^{48}Ca(^{9}Be,np). "^{55}V was initially identified through the β-delayed observation of 518- and 881-keV γ rays that were previously observed in ^{54}Cr(n,γ)^{55}Cr." The half-life was measured to be 6.54(15) s.

Adapted from reference (2010Sh05)

1977Na17 A. M. Nathan, D. E. Alburger, J. W. Olness, and E. K. Warburton, Phys. Rev. C **16**, 1566 (1977).

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

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