

^{61}V

In their paper “New neutron-rich isotopes in the scandium-to-nickel region, produced by fragmentation of a 500 MeV/u ^{86}Kr beam”, Weber et al. presented the first observation of ^{61}V in 1992 at GSI ([1992We04](#)). ^{69}Fe was produced in the fragmentation reaction of a 500 A·MeV ^{86}Kr beam from the heavy-ion synchrotron SIS on a beryllium target and separated with the zero-degree spectrometer FRS. “The isotope identification was based on combining the values of $B\rho$, time of flight (TOF), and energy loss (ΔE) that were measured for each ion passing through the FRS and its associated detector array.” Twenty events of ^{61}V were observed.

Adapted from reference ([2010Sh05](#))

[1992We04](#) M. Weber, C. Donzaud, J. P. Dufour, H. Geissel *et al.*, *Z. Phys. A* **343**, 67 (1992).

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

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