^{69}Fe

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 ^{69}Fe 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 synchroton SIS on a beryllium target and separated with the zero-degree spectrometer FRS. "The isotope identification was based on combining the values of Bρ, time of flight (TOF), and energy loss ($\triangle$E) that were measured for each ion passing through the FRS and its associated detector array." Twelve counts of ^{69}Fe were recorded.

Adapted from reference (2010Sc18)

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

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