^{75}Ni

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 ^{75}Ni in 1992 (1992We04). ^{75}Ni 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 at GSI. "The results...represent unambiguous evidence for the production of the very neutron-rich isotopes ^{58}Ti, ^{61}V, ^{63}Cr, ^{66}Mn, ^{69}Fe, and ^{71}Co, and yield indicative evidence for the production of ^{64}Cr, ^{72}Co, and ^{75}Ni." Two counts of ^{75}Ni were observed.

Adapted from reference (2012Ga06)

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

2012Ga06 K. Garofali, R. Robinson, and M. Thoennessen, At. Data Nucl. Data Tables **98**, 356 (2012).

Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"