^{49}Ni

In the paper "First Observation of the $T_z = -7/2$ Nuclei ^{45}Fe and ^{49}Ni" Blank et al. reported the discovery of ^{49}Ni in 1996 (1996Bl21). A 600 A·MeV ^{58}Ni beam from the SIS synchrotron at GSI bombarded a beryllium target and isotopes were separated with the projectile-fragment separator FRS. ^{49}Ni was identified by time-of-flight, ΔE, and Bρ analysis. "We observed ten events of ^{42}Cr, three events of ^{45}Fe, and five events of ^{49}Ni. These three isotopes have been identified for the first time in the present experiment."

Adapted from reference (2012Ga06)

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