^{47}Ar

Guillemaud-Mueller et al. announced the discovery of ^{47}Ar in the 1985 article "Production and Identification of New Neutron-Rich Fragments from 33 MeV/u ^{86}Kr Beam in the 18≤Z≤27 Region" (1985Gu14). At GANIL in Caen, France, a 33 MeV/u ^{86}Kr beam was fragmented and the fragments were separated by the triple-focusing analyser LISE. "Each particle is identified by an event-by-event analysis. The mass A is determined from the total energy and the time of flight, and Z by the ΔE and E measurements... In addition to that are identified the following new isotopes: ^{47}Ar, ^{57}Ti, ^{59,60}V, ^{61,62}Cr, ^{64,65}Mn, ^{66,67,68}Fe, ^{68,69,70}Co." Only 3 days later Benenson et al. reported a mass measurement of ^{47}Ar (1985Be50).

Adapted from reference (2012Th10)

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