^{61}Mn

Guerreau et al. reported the discovery of ^{61}Mn in the 1980 paper "Seven New Neutron Rich Nuclides Observed in Deep Inelastic Collisions of 340 MeV ^{40}Ar on ^{238}U" (1980Gu09). A 340 MeV ^{40}Ar beam accelerated by the Orsay ALICE accelerator facility bombarded a 1.2 mg/cm^2 thick UF_4 target supported by an aluminum foil. ^{61}Mn was identified using two ΔE-E telescopes and two time-of-flight measurements. "The new nuclides ^{54}Ti, ^{56}V, $^{58-59}$Cr, ^{61}Mn, $^{63-64}$Fe, have been produced through ^{40}Ar + ^{238}U reactions." At least twenty counts were recorded for these isotopes.

Adapted from reference (2012Ga06)

1980Gu09 D. Guerreau, J. Galin, B. Gatty, X. Tarrago *et al.*, Z. Phys. A **295**, 105 (1980).

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