^{42}Al

Baumann et al. observed ^{42}Al in the 2007 paper "Discovery of ^{40}Mg and ^{42}Al suggests neutron drip-line slant towards heavier isotopes" (2007Ba71). A 141 MeV/nucleon ^{48}Ca beam bombarded a natural tungsten target and ^{40}Mg was identified with the MSU/NSCL A1900 fragment separator and the S800 analysis system. "Further, the 23 events of ^{42}Al establish its discovery. [The figure] also contains one event consistent with ^{43}Al."

Adapted from reference (2012Th10)

2007Ba71 T. Baumann, A. M. Amthor, D. Bazin, B. A. Brown *et al.*, Nature **449**, 1022 (2007).

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