^{38}Mg

In the 2002 article "New neutron-rich isotopes, ^{34}Ne, ^{37}Na and ^{43}Si, produced by fragmentation of a 64A MeV ^{48}Ca beam" Notani et al. observed ^{38}Mg (2002No11). The RIKEN ring cyclotron accelerated a ^{48}Ca beam to 64 MeV/nucleon which was then fragmented on a tantalum target. The projectile fragments were analyzed with the RIPS spectrometer. The observation of ^{38}Mg was not explicitly mentioned because its discovery was attributed to a previous publication of a conference proceeding (1997Sa14). In the two-dimensional A/Z versus Z plot for the ^{40}Mg Bρ setting events for ^{38}Mg can clearly be identified. It represents the first publication of ^{38}Mg in a refereed journal.

Adapted from reference (2012Th10)

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