

^{42}Si

Lewitowicz et al. discovered ^{42}Si in the 1990 paper “First observation of the neutron-rich nuclei ^{42}Si , $^{45,46}\text{P}$, ^{48}S , and ^{51}Cl from the interaction of 44 MeV/u ^{48}Ca + ^{64}Ni ” (1990Le03). A 44 MeV/u ^{48}Ca beam was fragmented on a ^{64}Ni target at GANIL and the projectile-like fragments were separated by the zero degree doubly achromatic LISE spectrometer. “The isotopes of ^{42}Si , $^{45,46}\text{P}$, ^{48}S , and ^{51}Cl are identified for the first time.”

Adapted from reference (2012Th10)

1990Le03 M. Lewitowicz, R. Anne, A. G. Artukh, D. Bazin *et al.*, *Z. Phys. A* **335**, 117 (1990).

2012Th10 M. Thoennessen, *At. Data Nucl. Data Tables* **98**, 933 (2012).

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