^{63}Ge

Mohar et al. first observed ^{63}Ge in the 1991 paper "Identification of new nuclei near the proton-dripline for 31≤Z≤38" (1991Mo10). A 65 A·MeV ^{78}Kr beam produced by the Michigan State K1200 cyclotron reacted with an enriched ^{58}Ni target. ^{62}Ge and ^{63}Ge were identified by measuring the rigidity, ΔE, E_{total}, and velocity in the A1200 fragment separator. "Several new isotopes at or near the proton-drip line are indicated in the mass spectra: ^{61}Ga, ^{62}Ge, ^{63}Ge, ^{65}As, ^{69}Br, and ^{75}Sr."

Adapted from reference (2012Gr19)

1991Mo10 M. F. Mohar, D. Bazin, W. Benenson, D. J. Morrissey *et al.*, Phys. Rev. Lett. **66**, 1571 (1991).

2012Gr19 J. L. Gross and M. Thoennessen, At. Data Nucl. Data Tables **98**, 983 (2012).

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