

^{25}Ne

Artukh et al. reported the first identification of ^{25}Ne in 1970 in “New isotopes ^{23}F , ^{24}F , ^{25}Ne and ^{26}Ne , produced in nuclear reactions with heavy ions” (1970Ar01). A metallic ^{232}Th target was bombarded with a 174 MeV ^{22}Ne beam from the 300 cm heavy-ion cyclotron at Dubna, Russia. The reaction products were identified in a ΔE -E semiconductor telescope at the focal plane of a magnetic spectrometer. “The results quoted above show that apart from a number of known isotopes four new isotopes: ^{23}F (720 events), ^{24}F (25 events), ^{25}Ne (400 events) and ^{26}Ne (26 events) were obtained and identified unambiguously.”

Adapted from reference (2012Th01)

1970Ar01 A. G. Artukh, V. V. Avdeichikov, G. F. Gridnev, V. L. Mikheev *et al.*, Phys. Lett. B **31**, 129 (1970).

2012Th01 M. Thoennessen, At. Data Nucl. Data Tables **98**, 43 (2012).

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