^{163}Sm

In 2012, Kurcewicz et al. reported the observation of ^{163}Sm in "Discovery and cross-section measurement of neutron-rich isotopes in the element range from neodymium to platinum with the FRS" (2012Ku26). A 1 GeV/nucleon ^{238}U from the GSI SIS-18 synchrotron impinged on a thick beryllium target and projectile fragmentation and projectile fission fragments were analysed with the projectile Fragment Separator FRS. The cross section for the production of ^{163}Sm was measured to be 134±11 nb as listed in a table.

2012Ku26 J. Kurcewicz, F. Farinon, H. Geissel, S. Pietri *et al.*, Phys. Lett. B **717**, 371 (2012).

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