

^{166}Eu

In 2012, Kurcewicz et al. reported the observation of ^{166}Eu 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 discovery of ^{166}Eu was not specifically mentioned because it was assumed to be known. However, the earlier observation by Osa et al. (2008Os02) was only published in Nuclear Instruments and Methods B as part of the proceedings of the 15th EMIS conference in 2007.

- 2008Os02 A. Osa, S. i. Ichikawa, M. Matsuda, T. K. Sato, and S. C. Jeong, Nucl. Instrum. Methods Phys. Res. B **266**, 4394 (2008).
2012Ku26 J. Kurcewicz, F. Farinon, H. Geissel, S. Pietri *et al.*, Phys. Lett. B **717**, 371 (2012).

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”