

^{225}U

Andreyev et al. reported the discovery of ^{225}U in the 1989 paper “Measurement of cross sections for reactions with evaporation of light particles in the complete fusion channel in bombardment of Au and Pb by Ne ions” (1989An13). ^{22}Ne bombarded a target of ^{208}Pb at JINR, Dubna. Fusion products were separated by velocity and implanted into a surface barrier detector. “The isotope ^{225}U was identified on the basis of correlations, well identified in the spectrum, of the transition $E_{\alpha}^1=7.87$ MeV and the transitions $E_{\alpha}^2=8.15$ and 8.47 MeV (^{221}Th) and 8.1 MeV (^{213}Rn).” Heßberger et al. independently discovered ^{225}U later in the same year (1989He13).

Adapted from reference (2013Fr03)

- 1989An13 A. N. Andreev, D. D. Bogdanov, A. V. Eremin, A. P. Kabachenko *et al.*, *Sov. J. Nucl. Phys.* **50**, 381 (1989).
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