

## $^{219}\text{U}$

The discovery of  $^{219}\text{U}$  by Andreyev et al. was reported in the 1993 paper “The new isotope  $^{219}\text{U}$ ” ([1993An07](#)). 5.5 MeV/u  $^{27}\text{Al}$  from the JINR cyclotron in Dubna bombarded  $^{197}\text{Au}$ . Evaporation residues were separated by the electrostatic separator VASSILISSA, passed through time-of-flight detectors, and implanted into position sensitive silicon detectors. “The  $\alpha$ -decay energy and the half-life of  $^{218}\text{U}$  were determined to be  $9860\pm 40$  keV and  $42_{-13}^{+34}$  ms, respectively.”

Adapted from reference ([2013Fr03](#))

[1993An07](#) A. N. Andreyev, D. D. Bogdanov, V. I. Chepigin, A. P. Kabachenko *et al.*, *Z. Phys. A* **345**, 247 (1993).

[2013Fr03](#) C. Fry and M. Thoennessen, *At. Data Nucl. Data Tables* **99**, 345 (2013).

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