# $^{223}$U

The 1991 observation of $^{223}$U by Andreyev et al. was reported in "Production cross sections and decay properties of new $\alpha$ emitters: $^{223,224}$U" (1991An13). $^{20}$Ne from the cyclotron of JINR, Dubna irradiated a $^{208}$Pb target. Evaporation residues were separated by the electrostatic separator VASSILISSA, passed through time-of-flight detectors, and implanted into a passivated ion implanted silicon detector. "$^{223}$U was found to decay with $E_\alpha$=(8780$\pm$40) keV and $T_{1/2}=18^{+10}_{-5}$ $\mu$s."

Adapted from reference (2013Fr03)


1991An13 A. N. Andreev, D. D. Bogdanov, A. V. Eremin, A. P. Kabachenko *et al.*, Sov. J. Nucl. Phys. **53**, 554 (1991).

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