

¹⁴⁴Eu

“Europium-144” was published in 1965 by Messlinger et al. reporting the discovery of ¹⁴⁴Eu ([1965Me12](#)). An enriched ¹⁴⁴Sm target was bombarded with protons from the Heidelberg Tandem Accelerator. Decay curves and γ -spectra were measured with a NaI(Tl) scintillation spectrometer. “In the course of measurements of (p,n) cross sections on N=82 nuclei, we came across a short-live activity which we assign to ¹⁴⁴Eu₈₁. This newly found activity is analogous to the ground state of ¹⁴⁰Pr₈₁ and ¹⁴²Pm₈₁.” The observed half-life was 10.5(3) s. A 18-min half-life listed in the 1958 table of isotopes ([1958St50](#)) was based on a private communication and incorrect ([1959O123](#)).

Adapted from reference ([2013Ma01](#))

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