

¹⁴⁸Ba

Engler et al. observed ¹⁴⁸Ba for the first time as reported in the 1979 article “Half-Life Measurements of Rb, Sr, Y, Cs, Ba, La and Ce Isotopes with A=91-98 and A=142-149” (1979En02). A ²³⁵U target was exposed to thermal neutrons at the Soreq Nuclear Research Centre in Yavne, Israel. ¹⁴⁸Ba was identified with the Soreq-On-Line-Isotope-Separator (SOLIS). “The isotopes ^{147,148}Ba and ¹⁴⁹La were identified for the first time and their half-lives measured. The values obtained, in seconds, are 0.72±0.07 for ¹⁴⁷Ba, 0.47±0.20 for ¹⁴⁸Ba and 1.2±0.4 for ¹⁴⁹La.”

Adapted from reference (2010Sh20)

1979En02 G. Engler, Y. Nir-El, M. Shmid, and S. Amiel, Phys. Rev. C **19**, 1948 (1979).

2010Sh20 A. Shore, A. Fritsch, J. Q. Ginepro, M. Heim *et al.*, At. Data Nucl. Data Tables **96**, 749 (2010).

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