

¹⁶⁴Lu

¹⁶⁴Lu was observed by Hunter et al. in 1977 as described in “Levels in ¹⁶⁴Yb from ¹⁶⁴Lu decay” (1977Hu02). A 79 MeV ¹⁴N beam from the Oak Ridge isochronous cyclotron irradiated gadolinium oxide enriched in ¹⁵⁵Gd. Two Ge(Li) detectors were used to record single and coincidence γ -ray spectra. “The best value of the half-life of the dominant ¹⁶⁴Lu decay appears to be 3.17 ± 0.004 min, obtained from the 123.8-keV peak.” Hunter et al. mentioned a previously reported 3.1 min half-life which was only published as an internal report (1969NeZW).

Adapted from reference (2012Gr19)

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