

²³²Ac

Gippert et al. identified ²³²Ac in the 1986 article “Decay studies of neutron-rich radium and actinium isotopes, including the new nuclides ²³²Ra and ^{232,234}Ac” (1986Gi08). An 11.4 MeV/u ²³⁸U beam from the GSI UNILAC bombarded ^{nat}W/Ta targets producing ²³²Ac in multinucleon-transfer reactions. Reaction products were mass separated and β -delayed γ -ray spectra were measured with two Ge detectors. “The half-life of ²³²Ac was determined from the β -, γ - and X-rays to be 119(5) s.” A previously measured 35(5) s half-life (1973Ch24) was incorrect.

Adapted from reference (2013Fr03)

- 1973Ch24 K. Chayawattanangkur, G. Herrmann, and N. Trautmann, J. Inorg. Nucl. Chem. **35**, 3061 (1973).
1986Gi08 K. L. Gippert, E. Runte, W. D. Schmidt-Ott, P. Tidemand-Petersson *et al.*, Nucl. Phys. A **453**, 1 (1986).
2013Fr03 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 345 (2013).

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