

^{234}Ac

Gippert et al. identified ^{234}Ac in the 1986 article “Decay studies of neutron-rich radium and actinium isotopes, including the new nuclides ^{232}Ra and $^{232,234}\text{Ac}$ ” (1986Gi08). An 11.4 MeV/u ^{238}U beam from the GSI UNILAC bombarded $^{nat}\text{W/Ta}$ targets producing ^{234}Ac in multinucleon-transfer reactions. Reaction products were mass separated and β -delayed γ -ray spectra were measured with two Ge detectors. “The γ -spectra of the A=234 sources show new γ lines of 44(7) s half-life, besides known γ -rays from $^{234m,g}\text{Pa}$.”

Adapted from reference (2013Fr03)

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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