

## <sup>199</sup>At

Treytl and Valli identified <sup>199</sup>At in the 1967 article “Alpha decay of neutron deficient astatine isotopes” (1967Tr06). Enriched <sup>185</sup>Re and <sup>187</sup>Re targets were bombarded with 100-200 MeV <sup>20</sup>Ne beams from the Berkeley HILAC. Reaction products were collected on a silver foil by a helium jet and rotated in front of a Si(Au) surface barrier detector. “ASTATINE-199: The peak at 6.638 MeV with a half-life of 7.2 sec clearly belongs to <sup>199</sup>At.”

Adapted from reference (2013Fr09)

1967Tr06 W. Treytl and K. Valli, Nucl. Phys. A **97**, 405 (1967).

2013Fr09 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 497 (2013).

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