

²³⁸Am

Street et al. published “The isotopes of americium” in 1950, reporting the first observation of ²³⁸Am ([1950St61](#)). ²³⁹Pu was bombarded with 50 MeV deuterons from the Berkeley 184-in. cyclotron. Differential counting with beryllium and lead absorbers was performed. “In view of its half-life, radiation characteristics, and method of formation, this activity is probably an orbital electron capturing isotope and is best assigned to Am²³⁸.” The measured half-life was 1.2 h.

Adapted from reference ([2013Fr02](#))

[1950St61](#) K. Street Jr., A. Ghiorso, and G. T. Seaborg, Phys. Rev. **79**, 530 (1950).
[2013Fr02](#) C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 96 (2013).

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