

^{118}Ag

In the paper “Identification of 5.3-sec ^{118}Ag as a Product of ^{238}U Fission”, Weiss et al. discussed the first observation of ^{118}Ag in 1968 ([1968We10](#)). A uranium solution was irradiated with neutrons in the Vallecitos Nuclear Test Reactor of the U.S. Naval Radiological Defense Laboratory in San Francisco, CA. The chemically separated samples were analyzed using atomic absorption spectrometry. “Analysis by the method of least squares gives a half-life of $5.3^{+0.9}_{-0.7}$ s.” A previous half-life measurement of 25 s ([1967Fr16](#)) could not be confirmed.

Adapted from reference ([2010Sc10](#))

- [1967Fr16](#) K. Fritze and K. Griffiths, *Radiochim. Acta* **7**, 59 (1967).
[1968We10](#) H. V. Weiss, J. M. Fresco, and W. L. Reichert, *Phys. Rev.* **172**, 1266 (1968).
[2010Sc10](#) A. Schuh, A. Fritsch, J. Q. Ginepro, M. Heim *et al.*, *At. Data Nucl. Data Tables* **96**, 531 (2010).

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