

## $^{118}\text{Ag-1}$

The 2 s isomer of  $^{118}\text{Ag}$  was first observed in 1971 by B. Fogelberg et al. at the Studsvik Science Research Laboratory, Nyköping, Sweden ([1971Fo22](#)). In 2025, van den Borne determined that this state corresponds to the ground state and that the 3.7 ms also measured by Fogelberg et al. is an isomeric state ([2025Va02](#)). Fogelberg et al. is credited with the discovery because it was the first experiment to observe two long-lived states in  $^{118}\text{Ag}$ .

[1971Fo22](#) B. Fogelberg, A. Backlin, and T. Nagarajan, Phys. Lett. B **36**, 334 (1971).

[2025Va02](#) B. van den Borne, M. Stryjczyk, R. P. de Groote, A. Kankainen *et al.*, Phys. Rev. C **111**, 014329 (2025).

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isomer Database, doi:[10.11578/frib/2572219](https://doi.org/10.11578/frib/2572219)”