^{108}Sn

In 1968, Yamazaki et al. observed ^{108}Sn in "Level and Isomer Systematics in Even Sn Isotopes" (1968Ya04). The Berkeley 88-in. cyclotron was used to bombard enriched metallic cadmium targets with 28-50 MeV α particles. The first three excited states in ^{108}Sn were detected with a Ge(Li) detector. "Levels of even Sn isotopes (A=108-118) have been studied in Cd(α,xn) reactions." A previously measured half-life of 4.5 h (1949Ma20) was later not confirmed.

Adapted from reference (2011Am01)

1949Ma20 E. C. Mallary and M. L. Pool, Phys. Rev. **76**, 1454 (1949).

1968Ya04 T. Yamazaki, G. T. Ewan, and S. G. Prussin, Phys. Rev. Lett. **20**, 1376 (1968).

2011Am01 S. Amos, J. L. Gross, and M. Thoennessen, At. Data Nucl. Data Tables **97**, 383 (2011).

Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"