

¹³⁰Cd

The discovery of ¹³⁰Cd was reported in 1986 by Kratz et al. in “The Beta-Decay Half-Life of ¹³⁰Cd and its Importance for Astrophysical r-Process Scenarios” (1986Kr17). A target of Uranium carbide was bombarded with 600 MeV protons from the CERN synchrocyclotron. ¹³⁰Cd was produced in spallation reactions and subsequently separated and identified with the ISOLDE on-line mass separator. “From the β dn-growth curve [β -delayed-neutron] the $T_{1/2}$ of ¹³⁰Cd was determined to (195 \pm 35) ms.”

Adapted from reference (2010Am04)

1986Kr17 K. L. Kratz, H. Gabelmann, W. Hillebrandt, B. Pfeiffer *et al.*, *Z. Phys. A* **325**, 489 (1986).

2010Am04 S. Amos and M. Thoennessen, *At. Data Nucl. Data Tables* **96**, 855 (2010).

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