

²⁶⁶Hs

The first observation of ²⁶⁶Hs was reported in 2001 in “The new isotope ²⁷⁰110 and its decay products ²⁶⁶Hs and ²⁶²Sg” by Hofmann et al. (2001Ho06). A 317 MeV ⁶⁴Ni beam accelerated by the GSI UNILAC bombarded an enriched ²⁰⁷Pb target producing ²⁷⁰Ds in the (1n) fusion evaporation reaction. ²⁷⁰Ds and the subsequent α -decay daughters ²⁶⁶Hs and ²⁶³Sg were identified with a detector system at the velocity filter SHIP. “The nucleus ²⁶⁶Hs decays by α emission with an energy of (10.18 ± 0.02) MeV and a half-life of $(2.3^{+1.3}_{-0.6})$ ms.”

Adapted from reference (2013Th02)

2001Ho06 S. Hofmann, F. P. Hessberger, D. Ackermann, S. Antalic *et al.*, Eur. Phys. J. A **10**, 5 (2001).

2013Th02 M. Thoennessen, At. Data Nucl. Data Tables **99**, 312 (2013).

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