

¹⁷⁰Dy

Söderström et al. first identified ¹⁷⁰Dy in 2010 and reported the results in “Spectroscopy of neutron-rich ^{168,170}Dy: Yrast band evolution close to the N_pN_n valence maximum” (2010So03). A 460 MeV ⁸²Se beam was accelerated with the Tandem XTU-ALPI accelerator complex at Laboratori Nazionali di Legnaro and bombarded a self-supporting ¹⁷⁰Er target. Multinucleon transfer reaction products were identified with the PRISMA magnetic spectrometer and the CLARA γ -ray detector array. “We have extended the level scheme of ¹⁶⁸Dy to 10 and proposed a tentative energy for the 4⁺ \rightarrow 2⁺ transition in ¹⁷⁰Dy.”

2010So03 P. A. Soderstrom, J. Nyberg, P. H. Regan, A. Algora *et al.*, Phys. Rev. C **81**, 034310 (2010).

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