

²H(²⁵Na,²⁵Na'γ) 2004Sc43

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia, Anagha Chakraborty		NDS 205,1 (2025)	31-May-2025

Adapted/Edited the XUNDL dataset compiled by B. Singh (McMaster) March 21, 2005.
Beam=radioactive ion beam of ²⁵Na at ISOLDE, E(²⁵Na)=2.2 MeV/nucleon.
Target=Deuterated polyethylene.
Measured Eγ, γ(ions) coin using MINIBALL array of 24 six-fold segmented, individually encapsulated HPGe detectors for γ rays and detector telescope ΔE-E for charged particles. Gamma spectra detected in coincidence with any signal in the ΔE-E detector.
Preliminary report as stated by 2004Sc43.

²⁵Na Levels

E(level)	J ^π	Comments
0 89.5	5/2 ⁺	J ^π : from Adopted Levels.

γ(²⁵Na)

E _γ	E _i (level)	E _f	J ^π _f
89.5	89.5	0	5/2 ⁺

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Level Scheme

