

⁹Be(¹⁸O,2n γ) **1969Ni09**

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

E=15 MeV; measured Doppler-shift attenuation; deduced mean lifetime.

²⁵Mg Levels

E(level) [†]	J ^{π}	T _{1/2} [‡]	Comments
0	5/2 ⁺		
585.042 22	1/2 ⁺	2.8 ns 7	T _{1/2} : from $\tau=4.1$ ns 10.
975	3/2 ⁺		T _{1/2} : 1.4≤t _{1/2} ≤7 ps from 2≤ τ ≤10 ps.

[†] From Adopted Levels.
[‡] Doppler-shift attenuation, plunger method.

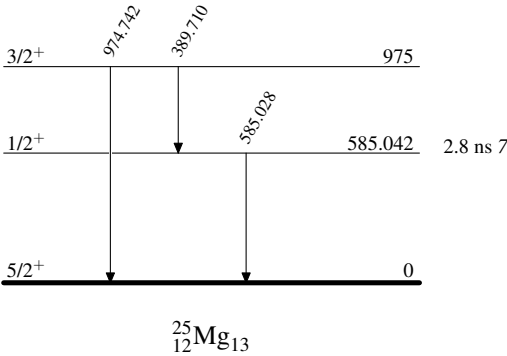
$\gamma(^{25}\text{Mg})$

E _{γ} [†]	E _i (level)	J ^{π} _i	E _f	J ^{π} _f
389.710 35	975	3/2 ⁺	585.042	1/2 ⁺
585.028 30	585.042	1/2 ⁺	0	5/2 ⁺
974.742 35	975	3/2 ⁺	0	5/2 ⁺

[†] From Adopted Gammas.

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Level Scheme



²⁵Mg₁₃