

$^{26}\text{Mg}(\gamma, n), (\gamma, n\gamma')$ [1970Wu02, 1976Ba14](#)

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

[1970Wu02](#) (γ, n): $E_{\text{bremstrahlung}} < 28$ MeV; measured $\sigma(E; E_n)$; deduced giant dipole resonance.

[1976Ba14](#) ($\gamma, n\gamma'$): Metallic Mg (100 mg, purity >99.5%) target, $E_{\text{bremsstrahlung}}=23.5$ and 30 MeV, Ge(Li) at 90° with respect to bremsstrahlung beam direction, measured E_γ (not listed), deduced excited levels. FWHM=3 keV at 1.332 MeV E_γ .

Others: [1971Ba07](#), [1972Be76](#), [1974Wo03](#).

 ^{25}Mg Levels

E(level) [†]	J π [‡]	Comments
0	5/2 ⁺	
585	1/2 ⁺	
974	3/2 ⁺	
1611	7/2 ⁺	
1965	5/2 ⁺	
2564	1/2 ⁺	
2801	3/2 ⁺	
3901	(3/2, 5/2) ⁺	
4354	3/2 ⁺	
4715		
7784	(3/2, 5/2) ⁺	
7863.4 5	(3/2, 5/2) ⁺	E(level): from $E_n(\text{lab})=512.4$ keV 5 (1972Be76), $m(^{26}\text{Mg})=25.98259297$ a.m.u 3, $m(^{25}\text{Mg})=24.98583697$ a.m.u 5, and $S_n=7330.52$ keV 5 (2021Wa16). Others: 7864.5 12 in 1972Be76 , 7864 in 1976Ba14 .
12810		
12900		
13040		
13330		
13440		
13670		
13830		
14490		
15100		
15590		

[†] Up to 7784 from [1976Ba14](#), 12810 and above from [1970Wu02](#).

[‡] As listed in [1976Ba14](#).