

$^{24}\text{Mg}(n,\gamma)$ E-resonance 2006MuZX

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	R. B. Firestone	NDS 110, 1691 (2009)	1-Feb-2008

 ^{25}Mg Levels

E(level) [†]	J ^π	T _{1/2}	L	Comments
7265.4 5	1/2 ⁺		0	
7375.08 3	3/2 ⁺	1.9 eV 2	2	T _{1/2} : Γγ=1.1 eV 1.
7396.37 3	1/2 ⁻		1	
7410.74 8	3/2 ⁻	7.7 keV 8	1	T _{1/2} : Γγ=5.6 eV 6.
7500.2 2	(1/2 ⁻)	3 eV	(1)	T _{1/2} : Γγ=3 eV.
7577.47 12	3/2,5/2	40 eV 5	2	
7586.04 12	1/2 ⁻	≈80 keV	1	T _{1/2} : Γγ=5.2 eV 6.
7744.41 23	3/2 ⁻	31 keV 3	1	T _{1/2} : Γγ=5.4 eV 6.
7787.0 3	5/2 ⁺	15 eV 1	2	T=3/2 T _{1/2} : Γγ=1.04 eV 6.
7808.9 3	3/2 ⁻	0.5 keV 1	1	T _{1/2} : Γγ=0.38 eV 7.
7863.8 6	3/2 ⁺	9 eV 3	2	T=3/2 T _{1/2} : Γγ=3 eV 1.
7946.8 6	1/2 ⁻	0.9 keV 2	1	T _{1/2} : Γγ=1.4 eV 2.
7962.7 7	1/2 ⁺	21 keV 2	0	T _{1/2} : Γγ=7.7 eV 9.
8141.0 8	3/2 ⁺	13 keV 5	2	T _{1/2} : Γγ=6.0 eV 23.
8244 1	(3/2 ⁺ ,5/2 ⁺)		(2)	
8311.5 10	5/2 ⁺		2	
8316.8 10	(3/2 ⁺ ,5/2 ⁺)		(2)	
8324.4 10	1/2 ⁺		0	
8351.5 11	(3/2 ⁺ ,5/2 ⁺)		(2)	
8362.8 11	1/2 ⁺		0	
8559.1 13	5/2 ⁺		2	
8569.8 13	3/2 ⁻		1	
8579.8 13	3/2 ⁺		2	
8597.0 13	(3/2 ⁺ ,5/2 ⁺)		(2)	
8834.9 13	1/2 ⁺		0	T=3/2
8869.5 16	3/2 ⁻		1	
8894.4 16	1/2 ⁻		1	
8971.2 17	5/2 ⁺		2	
9014.4 18	1/2 ⁻ ,3/2 ⁻		1	
9072.2 7				
9326.3 9				
9502.7 15				
10039.6 15				
10253.5 9				
11046.6 18				
12000.3 18				

[†] Calculated assuming Sn=7330.58 3.