

$^{24}\text{Mg}(\text{p,p}'),(\text{pol p,p}') \quad 1976\text{Mo27},1978\text{Zw01},1988\text{BI08}$

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	R. B. Firestone	NDS 108, 2319 (2007)	3-Oct-2006

1988BI08: $^{24}\text{Mg}(\text{pol p,p}') E=800$ MeV. Measured $\sigma(\theta)$, analyzing power vs θ .

1978Zw01: $^{24}\text{Mg}(\text{p,p}') E=40$ MeV, measured $\sigma(\text{Ep}',\theta)$; deduced optical model parameters.

1976Mo27: $^{24}\text{Mg}(\text{p,p}') E=20$ MeV, measured $\sigma(\text{Ep})$.

 ^{24}Mg Levels

E(level)	$T_{1/2}^\dagger$	L	E(level)	L	E(level)	L
0			10713 3		12441 3	
1367 7		2	10732 3		12447 3	
4123 7		4	10824 3	4	12467 3	2
4242 7	83 fs 28	2	10922 3		12479 3	
5236 3	90 fs 49	3	11017 3		12504 3	4
6013 3	139 fs 28	4	11128 3		12528 3	
6434 3	187 fs 42	0	11161 3	3	12577 3	2
7349 3	<70 fs	2	11181 3	3	12639 3	4
7554 3	270 fs 55	1	11186 3		12660 3	
7616 3	1.5 ps 3	3	11207 3		12663 3	3
7746 3	<70 fs		11217 3	4	12669 3	
7812 3			11293 3	>4	12736 3	2
8113 3		6	11318 3	3	12774 3	
8358 3		3	11330 3		12810 3	2
8439 3		1	11389 3	1	12849 3	3,4
8654 3		2	11456 3	2	12861 3	
8864 3			11521 3	2	12895 3	
9002 3		2	11597 3		12921 3	
9148 3		1	11618 3		12954 3	
9282 3			11694 3	4	12963 3	
9301 3		0	11727 3	0	12973 3	4
9456 3		6	11862 ‡ 3	1	12999 3	
9514 3			11935 3		13031 3	
9521 3			11967 3	2	13047 3	
9528 3		2	11989 3	2	13055 3	4
9826 3			12002 3		13088 3	2,3
9966 3			12015 3	3	13137 3	
10027 3		5	12050 3	4	13183 3	2
10059 3			12121 3		13198 3	
10112 3			12128 3		13344 7	3
10161 3		0	12161 3	4	13440 7	3
10328 3		2	12181 3		14150	
10355 3		2	12244 3		14500	
10440			12258 3	3	15200	
10578 3		4	12336 3		15370	
10661 3		4	12342 3		15540	
10680 3			12402 3	2		

† From 1967AIZV.

‡ Multiplet.