

$^{24}\text{Mg}(^3\text{He,d}),(\text{pol } ^3\text{He,d})$ 1981En04,1975Pe05,1973Br27

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

1981En04: $^{24}\text{Mg}(\text{pol } ^3\text{He,d}),E=33.3$ MeV. DWBA, coupled channels analysis.

1975Pe05: $^{24}\text{Mg}(^3\text{He,d}),E=38.5$ MeV. DWBA, CCBA calculations.

1973Br27: $^{24}\text{Mg}(^3\text{He,d}),E=16.5, 18, 19.5, 21$ MeV; measured $Q,\sigma(E\alpha,Ed)$.

Other: 1973Ab08, 1970Me19.

 ^{25}Al Levels

E(level) [‡]	J ^π [†]	T _{1/2} [‡]	L [†]	S [†]	Comments
0	5/2 ⁺		2	0.24	3
451.9	1/2 ⁺		0	0.41	E(level): Used as calibration energy.
944.2	3/2 ⁺		2	0.19	1
1613.9				<0.005	
1789.6			2	0.052	
2486			0	0.14	
2674.2			2	0.34	
2720.0					
3424.6					
3697.6					
3823.0		36 keV	7		
3856.4					
4027					
4196					
4518					
4853					
4906					
5068					
5101		<4 keV			
5116		47 keV	5		
5232					
5526		≈18 keV			
5686					
5785		≈15 keV			
5809					
6063					
6123		61 keV	7		
6322					
6409		58 keV	7		
6517		56 keV	13		
6564?					
6644					
6770					
6881					
6909					
6944		104 keV	10		
7112		106 keV	20		
7183					
7240					
7417					
7564?					
7819?		209 keV	20		

[†] From 1981En04.

[‡] From 1973Br27.