

$^{26}\text{Mg}(^3\text{He},\alpha)$  1969Jo15,1988Pe19

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

1969Jo15:  $^{26}\text{Mg}(^3\text{He},\alpha)$  E=15 MeV. 61 cm scattering chamber.

1988Pe19:  $^{26}\text{Mg}(^3\text{He},\alpha)$  E=55.22 MeV. Measured  $\sigma(\theta),\sigma(E\alpha)$ .

Magnetic spectrometer, DWBA.

Other references: 1967De04, 1970Nu01, 1970Mc18, 1973Ro17.

 $^{25}\text{Mg}$  Levels

E(level) <sup>‡</sup>	L <sup>†</sup>	S <sup>†</sup>	Comments
0	2	2.24	
585	0	0.07	
975	2	0.07	
1614	4	0.2	
1965 10	2	0.066	
2563	0	0.04	
2740	(2)	0.13	L,S: For 2740+2903 doublet.
2803	(2)	0.13	L,S: For 2740+2903 doublet.
3413			
3908 10	(2)	0.037	
3971 10	(2)	0.012	
4359	2	0.08	
4722	2	0.21	
5858 10		0.032	
6083 10		0.12	
6460			
6840			
7282 7	2	0.010	
7863 7	2	1.21	
8791 7	0	0.079	
10618 8	2	0.1	
11725 5	1	0.27	
11747 10	(1)	0.16	
11775 10	(1)	0.1	
12898 10	1	0.17	

<sup>†</sup> From 1969Jo15, 1988Pe19, 1970Mc18, 1970De40.

<sup>‡</sup> From 1969Jo15 (no uncertainty) and 1988Pe19 for levels below 7 MeV. Levels above 7 MeV from 1970De40.