

$^{24}\text{Mg}(\alpha, \text{d})$  1993Ya14, 1991Ya02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia and A. M. Hurst		NDS 134,1 (2016)	1-Feb-2016

Other: 1991Ya02, 1976De24, 1973OI04.

1993Ya14: 99.92% enriched target (thickness 0.46 mg/cm<sup>2</sup>); Projectile:  $\alpha$ , E=63.7 MeV; magnetic spectrometer and a single-wire position-sensitive detector; FWHM 40 keV; Proposed new 6<sup>-</sup> and 5<sup>-</sup> states. DWBA calculations.

1991Ya02: 99.92% enriched target (thickness 0.46 mg/cm<sup>2</sup>); Projectile:  $\alpha$ , E=64.7 MeV; magnetic spectrometer and a single-wire position-sensitive detector; populated gs and 230 keV states of  $^{26}\text{Al}$ .

 $^{26}\text{Al}$  Levels

E(level) <sup>†</sup>	J <sup>π</sup> @	L&	Comments
0.0 <sup>‡</sup>		4	
228.305 <sup>‡</sup> 13			
416.852 <sup>#</sup> 3		2	
1850.62 <sup>#</sup> 3		0	
3073.63 <sup>#</sup> 4		4	
6080 10	(5 <sup>-</sup> )		T=0
6880 10			
7520 10			
7550 10			
8010 10			
8060 10			
9260 10			
9960 10	5 <sup>-</sup>		T=0
10660 10	6 <sup>-</sup>		T=0
11970 10			
12400 20			
12550 20			
13250 20			
13910 20	6 <sup>-</sup>		T=0
14050 20			

<sup>†</sup> From 1993Ya14, except otherwise noted.

<sup>‡</sup> Reported in 1991Ya02. Excitation energy quoted from Adopted Levels.

<sup>#</sup> From Adopted Levels.

@ Proposed in 1993Ya14, based on angular distribution measurements and DWBA calculations.

& From 1973OI04. Also in 1976De24.