

$^{96}\text{Mo}(\text{pol } t, \alpha)$  1983FI06

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, G. Mukherjee, A. A. Sonzogni		NDS 111, 2555 (2010)	30-Jun-2009

E=17 MeV; polarized beam, Q3d spectrograph; helical focal plane detector; measured  $\sigma(\theta=10^\circ$  to  $45^\circ)$ ;

 $^{95}\text{Nb}$  Levels

E(level)	$J^\pi^\dagger$	C <sup>2</sup> S	E(level)	$J^\pi^\dagger$	C <sup>2</sup> S	E(level)	$J^\pi^\dagger$	C <sup>2</sup> S
0.0	9/2 <sup>+</sup>	2.9	1701 8	(7/2 <sup>+</sup> )	(0.32)	2486 8	1/2 <sup>-</sup>	0.27
237 8	1/2 <sup>-</sup>	1.7	1816 8	5/2 <sup>+</sup>	0.25	2599 8	5/2 <sup>-</sup>	0.31
732 8	(5/2 <sup>+</sup> )	0.50	1894 <sup>#</sup> 8			2632 8	(3/2 <sup>+</sup> )	0.10
807 8	3/2 <sup>-</sup>	1.8	1972 8			2670 8	(5/2 <sup>-</sup> )	0.42
1021 8	(5/2 <sup>-</sup> )	(2.6)	2045 8			2724 8	5/2 <sup>-</sup>	0.47
1215 8	3/2 <sup>-</sup>	1.8	2149 8			2768 8	3/2 <sup>-</sup>	0.12
1273 8	5/2 <sup>-</sup>	4.4	2180 8			2815 <sup>@</sup> 8		
1364 8			2247 8	(3/2 <sup>+</sup> , 5/2 <sup>-</sup> )		2896 <sup>@</sup> 8		
1430 <sup>‡</sup> 15	(3/2 <sup>+</sup> )	(0.03)	2302 8	5/2 <sup>-</sup>	0.82	2987 <sup>@</sup> 8		
1589 8	3/2 <sup>-</sup>	0.16	2383 8	1/2 <sup>-</sup>	0.13	3039 <sup>@</sup> 8		
1662 8	(5/2 <sup>-</sup> )	(0.38)	2421 8	(3/2 <sup>+</sup> )	(0.09)			

<sup>†</sup> From DWBA analysis of  $\sigma(\theta)$  and  $\alpha(\theta)$ .

<sup>‡</sup> Doublet.

<sup>#</sup> This group is too broad to be a single state.

<sup>@</sup> Observed only at forward angles.