

$^{94}\text{Mo}(\text{d},\text{d}')$ 1992Pi08,1978Wa11

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni		NDS 107, 2423 (2006)	1-Jan-2006

1992Pi08: E=50.7 MeV, FWHM $\approx$ 15 keV; measured $\sigma(\theta)$, coupled- channels analysis.

1978Wa11: E=21.5 MeV, FWHM=80 keV; enriched target. Measured $\sigma(\theta)$, $\theta=20^\circ$ to 150° , optical model and coupled- channels analysis.

Other: 1966Ki04.

 ^{94}Mo Levels

E(level) [†]	J π [‡]	S [#]	E(level) [†]	J π [‡]	S [#]	E(level) [†]	J π [‡]	S [#]
0	0 ⁺		2996 5	(3 ⁻)		3694 5		
871 2	2 ⁺	0.155 @	3014 5	3 ⁻		3707 5	4 ⁺	-0.0240
1573 2	4 ⁺	+0.0500	3032 5	4 ⁺		3730 5	4 ⁺	-0.0180
1738 2	0 ⁺		3087 5	(2 ⁺)		3802 5	2 ⁺	
1864 2	2 ⁺	0.155 @	3134 5	2 ⁺		3848 5	4 ⁺	-0.0160
2068 2	2 ⁺		3169 5	6 ⁺		3869 5	5 ⁻	
2295 2	4 ⁺	-0.0198	3204 5	3 ⁻		3901 5	2 ⁺	
2322 2	6 ⁺		3266 5	1 ⁻		3917 5		
2393 2	2 ⁺		3309 5	2 ⁺		3928 5	2 ⁺	
2424 2	(5 ⁻ ,6 ⁺)		3344 5	(5 ⁻ ,6 ⁺)		3995 5	2 ⁺	
2534 5	3 ⁻	0.148 @	3376 5	4 ⁺	-0.0257	4004 5	2 ⁺	
2565 5	4 ⁺	-0.0220	3396 5	5 ⁻		4024 5	(5 ⁻ ,6 ⁺)	
2580 5	(3 ⁻)		3435 5	2 ⁺		4062 5	(3 ⁻)	
2611 5	5 ⁻		3456 5	2 ⁺		4093 5	(1 ⁻ ,4 ⁺)	
2703 5	(3 ⁻)		3465 5	(3 ⁻ ,5 ⁻)		4113 5	(3 ⁻)	-0.0046
2738 5	2 ⁺		3539 5	1 ⁻		4128 5	3 ⁻	
2770 5	4 ⁺	-0.0412	3588 5	(2 ⁺)		4139 5	2 ⁺	
2837 5	(3 ⁻)		3604 5	3 ⁻		4191 5	2 ⁺	
2853 5	(4 ⁺)		3627 5	(3 ⁻)		4317 5	2 ⁺	
2960 5	(4 ⁺)		3647 5	2 ⁺				

[†] From 1992Pi08 and are combined data from (p,p') and (d,d') reactions.

[‡] From 1992Pi08 based on angular distribution analysis.

[#] Deformation parameter.

@ Deformation parameter from 1978Wa11.