^{94}Mo(d,p)   1969Mo24

History

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

E=12 MeV. Measured $\sigma(\theta=8°$ to $55°)$; mag spect, emulsions. FWHM=7-9 keV. DWBA. Others: 1969Bo27 for (d,p), 1982HaZD for (pol d,p), and 1983Se01 for (t,d).

^{95}Mo Levels

E(level)	$J^{\pi\dagger}$	L‡	S	E(level)	$J^{\pi\dagger}$	L‡	S	E(level)	$J^{\pi\dagger}$	L‡	S
0.0	5/2^{+}#	2	0.59	2042	(3/2)$^{+}$#	2	0.10	2671			
202	(3/2^{+})#	(2)	0.019	2049	1/2^{+}	0	0.097	2695	(3/2^{+})#	(2)	0.018
762	7/2^{+}	4	0.18	2089	3/2^{+}#	2	0.055	2725	(3/2^{+})#	(2)	0.006
782	1/2^{+}	0	0.37	2118	7/2^{+}	4	0.11	2745	(3/2^{+})#	(2)	0.025
816	(5/2)$^{+}$#@	2	0.17	2169	3/2^{+}#	2	0.12	2754	(3/2^{+})#@	(2)@	0.017
943	(7/2)$^{+}$@	4	0.06	2244	3/2^{+}#	2	0.05	2830	3/2^{+}#	2	0.036
1035	1/2^{+}	0	0.19	2319	(3/2)$^{-}$	1	0.006	2843	3/2^{+}#	2	0.024
1299	1/2^{+}	0	0.004	2357	1/2^{+}	0	0.058	2919			
1364	3/2^{+}#	2	0.03	2383	3/2^{+}#	2	0.036	2955			
1420	3/2^{+}#@	2	0.026	2396	3/2^{+}#	2	0.040	3037	3/2^{+}#	2	0.15
1615	3/2^{+}#	2	0.15	2447				3056	1/2^{+}@	0@	0.019
1692	(1/2^{+})	0	0.006	2488	(3/2^{+})#	2	0.006	3142	(3/2^{+})#	2	0.031
1932	11/2^{-}	5	0.26	2544	(3/2^{-})	(1)	0.023	3155			
1963	5/2^{+}	2	0.08	2595	1/2^{+}	0	0.055				

† Assumed by 1969Mo24 for the extraction of S, except as noted.

‡ From DWBA analysis of $\sigma(\theta)$.

S(d,t)/S(d,p) was used by 1969Mo24 to distinguish between d3/2 and d5/2.

@ Discrepant with adopted J^{π}(816)=3/2^{+}, J^{π}(943)=9/2^{+}, J^{π}(1420)=(5/2)$^{+}$, J^{π}(2754)=1/2^{-},3/2^{-}, and J^{π}(3056)=1/2^{-},3/2^{-}.