

$^{100}\text{Mo}(t,d)$ 1990Ha43

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2006

E= 14 MeV. FWHM=27 keV. Preliminary results were given in [1984HaZH](#).
Measured seven angles between 15° and 50°.

 ^{101}Mo Levels

E(level)	J ^π	L [†]	S	Comments
0	1/2	0	0.33 6	
12	5/2,7/2	3	0.017 6	S: for J=5/2,S=0.013 4 for J=7/2, L disagrees with Adopted Levels.
56 5	5/2	2	0.120 1	
171 5				
240 5	7/2	4		L: 1990Ha43 give 4 or 3. Evaluator has adopted 4 to agree with (d,p).
271 5	(11/2)	5	0.17 2	
291 5	3/2	2	0.070 7	
349 5	3/2	2	0.20 2	
449 5	1/2	0	0.024 6	
475 5	3/2	2	0.096 6	
537 5	1/2	0	0.033 1	
564 5	5/2	2	0.036 1	
585 5	7/2,9/2	4	0.061 1	S: for J=7/2,S= 0.009 1 for J=9/2.
828 5	7/2,9/2	4	0.060 7	S: for J=7/2,S= 0.47 6 for J=9/2.
863 5	3/2	2	0.026 4	
911 5	7/2,9/2	4	0.037 6	S: for J=7/2,S= 0.030 4 for J=9/2.
982 5	3/2	2	0.086 1	
1042 5	1/2	0	0.086 4	
1106 5	3/2	2	0.030 4	
1289 5	3/2	1	0.054 6	
1334 5	5/2	3	0.073 17	
1456 5	(11/2)	5	0.050 6	

[†] L and S are from (d,t) and J from vector-analyzing power in (d,p).