

⁹⁸Mo(d, α) **1974ScYV**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni		NDS 109,2501 (2008)	1-Apr-2008

E=12 MeV; FWHM=15-22 keV (probably even $\approx$ 40 keV because of target thickness.
Measured: $\sigma(E,\theta)$; DWBA analysis.

⁹⁶Nb Levels

E(level) [†]	J π [‡]	L [#]	$\sigma(45^\circ)$ (mb/sr)	E(level) [†]	$\sigma(45^\circ)$ (mb/sr)
0	6 ⁺			1250 10	3.8 7
49 10	(5 ⁺)	5	12.6 11	1321 10	8.0 14
152 10	(4 ⁺)	3	2.2 6	1368 10	5.2 10
192 10	(3 ⁺)	3	5.4 9	1427 5	76.6 31
233 5	(7 ⁺)	6	30.3 16	1488 10	9.0 15
521 5	(2 ⁻)	2	61.0 22	1537 10	6.0 13
644 10	(2 ⁺)	3	4.6 7	1607 10	8.7 14
696 10	(3 ⁻)	2	3.3 8	1652 10	13.0 28
874 5			24.9 14	1720 10	21.3 19
1001 10			3.2 6	1810 10	21.3 18
1041 10			3.1 6	1872 10	13.1 15
1116 10			2.3 8	1937 10	9.9 21
1159 10			2.2 7	1973 10	4.5 15

[†] From comparison with (p, γ), energy seems to be systematically too large by $\approx$ 10 keV.
[‡] Adopted values.
[#] From DWBA.