^{100}Mo(p,d),(d,t) 1975Bi15

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 145, 25 (2017)	1-Jul-2017

E(p)=38.6 MeV; E(d)=40.6 MeV FWHM=50 keV for deuterons and 60 keV for tritons. (p,d) was studied also by 1972Is03 and 1973Is09 at E(p)=52 MeV.

^{99}Mo Levels

E(level)	L†	C^2S‡	E(level)	L†	C^2S‡	E(level)	L†	C^2S‡
0.0	0	(0.30)	1793 *10*	4	0.17	3214 *20*	4	0.05
98 *2*	2	1.84	1891 *15*	1	0.12	3260 *20*		
231 *4*	4	1.39	1910 *20*	1	0.27	3305 *20*	(1)	0.06
345 *5*	2	0.06	1934 *12*	4	0.19	3358 *20*	1	0.08
531 *6*	2+(0)	0.33+(0.0)	2103 *20*	4	1.02	3397 *20*	(1)	0.03
604 *10*	2	0.24	2155 *12*	1	0.28	3483 *20*	4	0.08
675 *5*	5	0.50	2330 *10*	2	0.063	3623 *25*	(1)	0.03
747 *14*	2	0.07	2436 *10*	1	0.24	3666 *20*	4	0.21
788 *20*	(2)	0.06	2531 *12*	1	0.10	3707 *25*		
878 *7*	(2)+(4)	0.07+0.59	2591 *12*	1	0.09	3753 *20*	1	0.07
924 *12*	2	0.15	2632 *12*	1	0.13	3817 *20*	4	0.33
1022 *20*	(3)	0.26	2702 *12*	1	0.10	3918 *25*		
1165 *15*	2	0.10	2797 *15*	2	0.04	4002 *25*	1	0.07
1320 *15*	4	0.10	2870 *15*	1	0.17	4062 *25*	1	0.08
1455 *10*	2	0.10	2925 *15*	1	0.06	4140 *25*	1	0.09
1516 *10*	2	0.13	2990 *15*	(1)	0.14	4179 *25*	1	0.06
1637 *12*	5	0.07	3066 *15*	2	0.04	4241 *25*	1	0.05
1714 *20*	2	0.05	3130 *15*	(4)	0.15			

† From DWBA.
‡ C^2S from DWBA analysis of (p,d) data. See 1975Bi15 for C^2S(E≤924) from (d,t).