^{198}Hg(d,t) 1972Mo12

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong, Zhou Chunmei	NDS 104, 283 (2005)	1-Jan-2002

Other: 1972MoZA.
E=17 MeV; measured σ(E(t),θ), magnetic spectrograph resolution=8-12 keV (FWHM). DWBA analysis.

^{197}Hg Levels

E(level)[†]	L[#]	S[@]	E(level)[†]	L[#]	S[@]	E(level)[†]	L[#]	S[@]	E(level)[†]
0	(1)	1.0	475			1180	(1,3)	0.2,0.7	2081
131	(3)	2.7	675	(3)	1.0	1306			2253?
150	(1)	1.7	789			1432			
250			1120	(3)	1.5	1865			
305[‡]	(1)	0.41	1145	(1)	0.29	1919			

[†] ΔE≈0.4%.
[‡] Probable doublet.
[#] Tentative L-values based on $\sigma(\theta)$ DWBA analysis at 3 angles (θ=10°,20°,45°) compared with DWBA calc.
[@] From $\sigma(\theta)$ DWBA analysis. For L=1, J=3/2 assumed, except for J=1/2 g.s. For L=3, J=5/2 if E(level)<1 MeV, otherwise J=7/2.