^{92}Mo(t,α)   1972Ch40

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 114, 1293 (2013)	1-Sep-2013

E=12 MeV. >90% ^{92}Mo target. Magnetic spectrograph + nuclear emulsions, FWHM=40 keV. DWBA analysis.

^{91}Nb Levels

E(level)[†]	L[‡]	C^{2}S[#]	Comments
0	4	2.6	C^{2}S: assumed value.
			Relative yield(θ(c.m.)=27.5-87.5°): 100.
100 *10*	1	1.66	Relative yield(θ(c.m.)=27.5-87.5°): 62.
1040 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 2.
1181 *25*	3	0.55	Relative yield(θ(c.m.)=27.5-87.5°): 9.
1306 *10*	1	1.15	Relative yield(θ(c.m.)=27.5-87.5°): 61.
1606 *10*	1	2.35	Relative yield(θ(c.m.)=27.5-87.5°): 142.
1842 *10*	3	4.0	Relative yield(θ(c.m.)=27.5-87.5°): 156.
1965 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 2.
2068 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 1.
2327 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 7.
2408 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 3.
2526 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 2.
2624 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 6.
2796 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 2.
2.88×10^3? *3*			Relative yield(θ(c.m.)=27.5-87.5°): 2.
3.00×10^3[@] *3*			Relative yield(θ(c.m.)=27.5-87.5°): 6.
3096 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 7.
3259 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 4.
3303 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 8.
3375 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 9.
3446 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 4.
3529 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 2.
3591 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 3.
3789 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 4.
3889 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 3.
3986 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 2.
4112 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 11.
4198 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 2.
4257 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 2.
4346 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 7.
4404 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 3.
4454 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 6.
4569 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 6.
4648 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 3.
5050 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 5.
5131 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 3.
5287 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 12.
5350 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 4.
5536 *25*			Relative yield(θ(c.m.)=27.5-87.5°): 5.

[†] Uncertainty is 10 keV for low-lying strongly excited states, 25 keV for weakly excited states. The evaluator assigns ΔE=10 keV to states whose yield relative to the g.s. group is≥50%, and rounds uncertainty to 30 keV when E(level) is quoted to the nearest 10 keV.

[‡] From DWBA.

[#] C^{2}S from comparison of DWBA prediction with experimental results at θ=40° (table 1, 1972Ch40). Values are relative to C^{2}S(g.s.)=2.6.

[@] Doublet.