^{113}In(d,t) 1967Hj03

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	S. Lalkovski, F. G. Kondev	NDS 124, 157 (2015)	1-Aug-2014

Facility: University of Pittsburgh cyclotron; Beam: E(d)=15 MeV; Target: 0.55 mg/cm^2 thick, enriched to 96% in ^{113}In; Detectors: 60° magnetic wedge spectrograph, photographic plates; Measured: dσ/dΩ at 45°; Deduced: ^{112}In level scheme, DWBA, L, S, J^π, reaction Q − value.

$J^\pi(^{113}In)=9/2^+$.

^{112}In Levels

E(level)†	L‡	E(level)†	L‡	E(level)†	L‡	E(level)†	L‡
0.0	(4)@	525?		742 *15*	(2)@	1047?	
147 *15*	0	591 *15*	(2+4)@	866	(2)@	1117 *15*	(2)@
339 *15*	(2)@	648 *15*	(2)@	963 *15*	(2)@	1202 *15*	(2)@
447# *15*	(2)@	711?		996 *15*	(2)@	1322 *15*	(2)@

† From 1967Hj03. ΔE≈15 keV for well resolved peaks.

‡ From 1967Hj03, based on dσ/dΩ and DWBA analysis.

Possible doublet.

@ Discrepant angular distributions data. All curves are alike in 1967Hj03.