^{113}In(p,2nγ) 1969Ya05

History

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

1969Ya05: Facility: LRL Berkeley cyclotron; Beam: E(p)=12,14,16 MeV; Target: ^{113}In; Detectors: one Ge(Li), one 3mm thick planar detector (FWHM=2.7 nsec); Measured: Eγ; Deduced: ^{112}Sn level scheme.

^{112}Sn Levels

E(level)[†]	J$^\pi$[‡]	Comments
0.0	0^+	
1258.0 *10*	2^+	
2251.0 *15*	4^+	
2553.0 *18*	6^+	
3360.0 *20*	$(7)^-$	configuration: $\nu d_{3/2}h_{11/2}$.

[†] From a least-squares fit to Eγ.
[‡] From the Adopted Levels.

γ(^{112}Sn)

E$_\gamma$[†]	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$	Comments
302 *1*	2553.0	6^+	2251.0	4^+	
[x]377 *1*					
807 *1*	3360.0	$(7)^-$	2553.0	6^+	E$_\gamma$: 805.11 *7* in the adopted gammas.
993 *1*	2251.0	4^+	1258.0	2^+	E$_\gamma$: 990.69 *4* in the adopted gammas.
1258 *1*	1258.0	2^+	0.0	0^+	

[†] From 1969Ya05; ΔEγ was estimated by the evaluators.
[x] γ ray not placed in level scheme.

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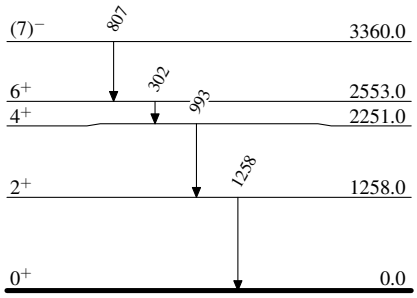
Level Scheme



$^{112}_{50}Sn_{62}$