^{204}Hg(^{7}Li,α2nγ) 1977HaZJ,1977HeYT

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 166, 1 (2020)	20-Apr-2020

1977HaZJ, 1977HeYT: E(^{7}Li)=32 MeV, pulsed beam. Target: enriched ^{204}Hg; Detectors:Ge(Li); Measured: Eγ, γ(t); $\gamma\gamma$ coin.

^{205}Tl Levels

E(level)†	J$^{\pi}$‡	$T_{1/2}$	Comments
0.0	$1/2^+$		
203.9 *3*	$3/2^+$		
924.0 *5*	$7/2^+$		
1429.9 *6*	$9/2^+$		
1483.9 *12*	$11/2^-$	4.5 ns *5*	$T_{1/2}$: From 203.9γ(t), 720.1γ(t) and 505.9γ(t) in 1977HaZJ.

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

γ(^{205}Tl)

E$_\gamma$†	E$_i$(level)	J$_i^{\pi}$	E$_f$	J$_f^{\pi}$	Comments
54.38 *3*	1483.9	$11/2^-$	1429.9	$9/2^+$	E$_\gamma$: From adopted gammas. Unobserved in 1977HaZJ.
203.9 *3*	203.9	$3/2^+$	0.0	$1/2^+$	
505.9 *3*	1429.9	$9/2^+$	924.0	$7/2^+$	
720.1 *3*	924.0	$7/2^+$	203.9	$3/2^+$	

† From 1977HaZJ, unless otherwise stated.

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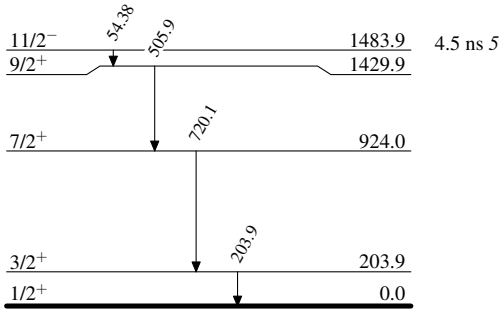
Level Scheme



$^{205}_{81}Tl_{124}$