^{203}Tl(μ,Xγ) 1972Ba53

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 187,355 (2023)	20-Sep-2022

Target: natural Tl; Detectors: Ge(Li); Measured: delayed γ's in muonic Tl; Eγ, Iγ.

^{201}Hg Levels

E(level)†	J$^\pi$‡
0	3/2$^-$
1.5648‡ *10*	1/2$^-$
26.2738‡ *3*	5/2$^-$
32.155‡ *13*	3/2$^-$
414.9 *4*	7/2$^-$
542.8 *3*	1/2$^-$,3/2,5/2

† From a least-squares fit to Eγ, unless otherwise stated.
‡ From Adopted Levels.

γ(^{201}Hg)

E$_\gamma$†	I$_\gamma$†	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$
388.17 *23*	0.76 *19*	414.9	7/2$^-$	26.2738	5/2$^-$
414.86 *36*	0.68 *22*	414.9	7/2$^-$	0	3/2$^-$
542.76 *31*	0.78 *22*	542.8	1/2$^-$,3/2,5/2	0	3/2$^-$

† From 1972Ba53. Iγ is per 100 μ^- stopped in natural Tl. Assignment to ^{201}Hg was made by the evaluator based on Adopted Levels levels and gammas properties and on syst of structures populated via (μ,xnγ) reactions in neighboring nuclei.

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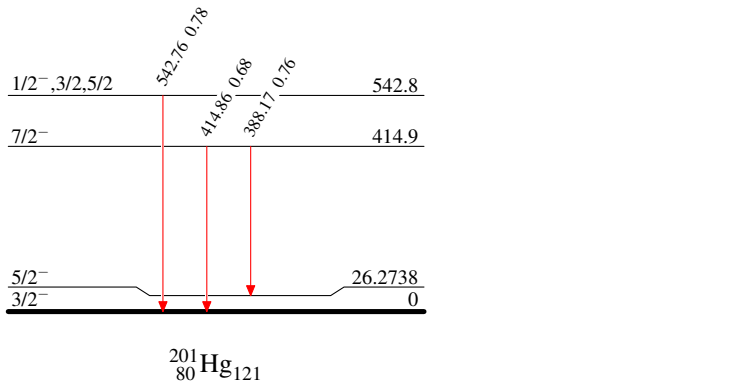
Level Scheme

Intensities: Type not specified



$^{201}_{80}Hg_{121}$