

$^{207}\text{Pb}(\mu, X\gamma)$ **1982Bu04,1983Bu02**

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

Target: ^{207}Pb , enriched to 92.77%; Detectors: Ge(Li); Measured: $E\gamma, I\gamma$.

^{201}Tl Levels

<u>E(level)[†]</u>	<u>J^π[‡]</u>
0	1/2 ⁺
331.13 9	3/2 ⁺
1098.2 4	5/2 ⁺

[†] From $E\gamma$.

[‡] From Adopted Levels.

$\gamma(^{201}\text{Tl})$

<u>$E\gamma$[†]</u>	<u>$I\gamma$[†]</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>
331.13 9	0.8 2	331.13	3/2 ⁺	0	1/2 ⁺
767.1 4	0.2 1	1098.2	5/2 ⁺	331.13	3/2 ⁺

[†] From 1983Bu02.

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Level Scheme

Intensities: Type not specified

Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$

