

$^{196}\text{Pt}(\text{p},\text{p}'\gamma)$ 1997Je06

Type	Author	History Citation	Literature Cutoff Date
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E=12.7 MeV; measured E_γ , I_γ , E_p , I_p , and $p\gamma$ -coin with 4 HPGe and Silicon detectors.

 ^{196}Pt Levels

<u>$E(\text{level})^\dagger$</u>	<u>$J^\pi^\ddagger$</u>	<u>$E(\text{level})^\dagger$</u>	<u>$J^\pi^\ddagger$</u>	<u>$E(\text{level})^\dagger$</u>	<u>$J^\pi^\ddagger$</u>	<u>$E(\text{level})^\dagger$</u>	<u>$J^\pi^\ddagger$</u>
0.0	0 ⁺	1014.8 4	3 ⁺	1677.2 4	2 ⁺	2245.6 7	2 ⁺
355.71 20	2 ⁺	1402.7 4	0 ⁺	1847.3 6	2 ⁺	2261.8 6	2 ⁺
688.6 3	2 ⁺	1446.9 3	3 ⁻	2046.9 5	2 ⁺	2423.6 4	3 ⁻
876.8 3	4 ⁺	1535.7 4	4 ⁺	2093.0 4	(2 ⁺)		

[†] From least-squares fit to E_γ 's.

[‡] From Adopted Levels.

 $\gamma(^{196}\text{Pt})$

<u>$E_\gamma^\dagger$</u>	<u>$I_\gamma^\dagger$</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>	<u>$E_\gamma^\dagger$</u>	<u>$I_\gamma^\dagger$</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>
326.3 2		1014.8	3 ⁺	688.6	2 ⁺	1246.7 7	67 15	2261.8	2 ⁺	1014.8	3 ⁺
332.9 2		688.6	2 ⁺	355.71	2 ⁺	1321.4 5	81 32	1677.2	2 ⁺	355.71	2 ⁺
355.7 2		355.71	2 ⁺	0.0	0 ⁺	1358.3 4		2046.9	2 ⁺	688.6	2 ⁺
521.0 4	83 11	1535.7	4 ⁺	1014.8	3 ⁺	1491.6 5		1847.3	2 ⁺	355.71	2 ⁺
521.1 2		876.8	4 ⁺	355.71	2 ⁺	1573.5 7	33 18	2261.8	2 ⁺	688.6	2 ⁺
758.4 2	12 4	1446.9	3 ⁻	688.6	2 ⁺	1677.3 6	68 45	1677.2	2 ⁺	0.0	0 ⁺
847.1 3	17 9	1535.7	4 ⁺	688.6	2 ⁺	1737.3 3		2093.0	(2 ⁺)	355.71	2 ⁺
976.7 3	52 13	2423.6	3 ⁻	1446.9	3 ⁻	2067.6 7	48 22	2423.6	3 ⁻	355.71	2 ⁺
1047.0 3		1402.7	0 ⁺	355.71	2 ⁺	2245.6 7		2245.6	2 ⁺	0.0	0 ⁺
1091.1 3	88 17	1446.9	3 ⁻	355.71	2 ⁺						

[†] From 1997Je06.

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Level Scheme

Intensities: Relative I_γ

Legend

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

