

$^{125}\text{Te}(\text{p},2\text{n}\gamma)$ **1986LuZW**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. Katakura, Z. D. Wu	NDS 109, 1655 (2008)		1-Apr-2008

1986LuZW: γ , $\gamma\gamma$ coin, $\gamma(\theta)$, $T_{1/2}$.

 ^{124}I Levels

E(level) [†]	$J^{\pi\ddagger}$	$T_{1/2}$ [#]	Comments
0.0	2 ⁻	4.1760 d 3	$T_{1/2}$: from Adopted Levels.
55.5 3	(3 ⁺)	26 ns 2	
105.4 4			
123.1 3	(4 ⁻)	9.7 ns 8	
213.3 4			
275.4 4			
287.4 4		1.6 ns 3	
300.7 5			
397.2 6		10.0 ns 7	

[†] From a least-squares fit to E_{γ} 's.

[‡] From Adopted Levels.

[#] From the delay between beam bursts and γ rays, unless otherwise indicated.

 $\gamma(^{124}\text{I})$

E_{γ} [†]	$E_i(\text{level})$	J_i^{π}	E_f	J_f^{π}	E_{γ} [†]	$E_i(\text{level})$	J_i^{π}	E_f	J_f^{π}
12.0 3	287.4		275.4		123.1 3	123.1	(4 ⁻)	0.0	2 ⁻
49.9 3	105.4		55.5	(3 ⁺)	152.3 3	275.4		123.1	(4 ⁻)
55.5 3	55.5	(3 ⁺)	0.0	2 ⁻	157.8 3	213.3		55.5	(3 ⁺)
87.4 3	300.7		213.3		164.3 3	287.4		123.1	(4 ⁻)
96.5 3	397.2		300.7		195.2 3	300.7		105.4	
107.9 3	213.3		105.4						

[†] Uncertainty is assumed to be 0.3 keV by evaluators.

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Level Scheme

