

$^{46}\text{Ti}(\text{n},\text{n}'\gamma)$ 1994KoZZ,1974Di08

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. -c. Wu	NDS 91, 1 (2000)	15-Jul-2000

E=fast, measured $E\gamma$, $I\gamma(\theta)$ (1994KoZZ).

E=4.9, 5.4, 5.9 MeV, measured $\sigma(\gamma)$ (1974Di08).

Other: 1992Be60.

 ^{46}Ti Levels

E(level) [†]	J ^π [‡]	E(level) [†]	J ^π [‡]	E(level) [†]	J ^π [‡]	E(level) [†]	J ^π [‡]
0.0	0 ⁺	3299.1	6 ⁺	3828.1	5 ⁻	4130.1	2 ⁺
889.4	2 ⁺	3441.7	4 ⁻	3845.2	2 ⁺	4177.4	3 ⁻
2009.9	4 ⁺	3553.1	3 ⁻	3852.0	5 ⁻	4191.4	3 ⁻
2611.3	0 ⁺	3569.6	3 ⁻	3886.9	2 ⁺	4316 [#]	1 ⁺
2961.1	2 ⁺	3571.9	0 ⁺	3905.5	(1,2 ⁺)	4325.1	
3058.5	3 ⁻	3579.8		3941.9	4 ⁺	4369.4	3 ⁻
3168.6	1 ⁻	3610.2		4003.1		4416	6 ⁻
3217.3		3724.0	(2) ⁺	4025.3	2 ⁺	4523	4 ⁺
3235.3	2 ⁺	3771.5		4038.8		4662	6 ⁻

[†] From 1994KoZZ, except as noted.

[‡] From Adopted Levels.

[#] From 1974Di08.

 $\gamma(^{46}\text{Ti})$

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
381	3441.7	4 ⁻	3058.5	3 ⁻	2346	3235.3	2 ⁺	889.4	2 ⁺
^x 721 [#]					2681	3571.9	0 ⁺	889.4	2 ⁺
^x 772 [#]					2836	3724.0	(2) ⁺	889.4	2 ⁺
889	889.4	2 ⁺	0.0	0 ⁺	2957	3845.2	2 ⁺	889.4	2 ⁺
1049 [‡]	3058.5	3 ⁻	2009.9	4 ⁺	^x 3141				
1121	2009.9	4 ⁺	889.4	2 ⁺	^x 3155				
1566 [#]	3569.6	3 ⁻	2009.9	4 ⁺	3169	3168.6	1 ⁻	0.0	0 ⁺
^x 1577					3236	3235.3	2 ⁺	0.0	0 ⁺
1722	2611.3	0 ⁺	889.4	2 ⁺	^x 3254				
^x 1934					3304	4191.4	3 ⁻	889.4	2 ⁺
2073	2961.1	2 ⁺	889.4	2 ⁺	3905	3905.5	(1,2 ⁺)	0.0	0 ⁺
2279	3168.6	1 ⁻	889.4	2 ⁺	4316	4316	1 ⁺	0.0	0 ⁺

[†] From 1974Di08, uncertainty $\approx 1+0.002$ E γ .

[‡] Probable multiplet.

[#] Placement of transition in the level scheme is uncertain.

^x γ ray not placed in level scheme.

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Legend

Level Scheme

-----► γ Decay (Uncertain)

