Adopted Levels, Gammas

	History		
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	S. Lalkovski, J. Timar and Z. Elekes	NDS 161, 1 (2019)	1-Apr-2019

$S(n)=91\times10^2$ *16*; $S(p)=-92\times10^1$ *33*; $Q(\alpha)=5069$ *3*   2017Wa10

^{105}Te Levels

Cross Reference (XREF) Flags

A ^{109}Xe α decay (13 ms)

E(level)	J$^\pi$	T$_{1/2}$	XREF	Comments
0	[5/2$^+$]	0.62 μs *7*	A	%$\alpha\approx$100 (2006Li41)
				T$_{1/2}$: from α(t) in 2006Li41; Others: 0.70 μs *+25−17* from α(t) using maximum likelihood method in 2006Se08.
				J$^\pi$: assumed ΔL=1 α transition from the [7/2$^+$] ^{109}Xe g.s. configuration: νd$_{5/2}$ state.
150 *3*	[7/2$^+$]		A	J$^\pi$: assumed ΔL=0 α transition from the [7/2$^+$] ^{109}Xe g.s. configuration: νg$_{7/2}$ state.

$\gamma(^{105}$Te)

E$_i$(level)	J$^\pi_i$	E$_\gamma$	E$_f$	J$^\pi_f$	Comments
150	[7/2$^+$]	150 *3*	0	[5/2$^+$]	E$_\gamma$: from 2010Da17. Other: 150 *13* (2006Li41).

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Level Scheme

[7/2$^+$]   150   150

[5/2$^+$]   0   0.62 μs *7*

$^{105}_{52}$Te$_{53}$