^{121}**Sb(p,2nγ)**   **1966Ej02,1973SaZL**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	K. Kitao, Y. Tendow and A. Hashizume	NDS 96, 241 (2002)	1-Dec-2001

1966Ej02,1966EjZZ: E=14.3 MeV, measured E(ce), I(ce(K)).

1973SaZL: E=17,21 MeV, measured Eγ, Iγ, I(ce(K)), $\gamma(\theta)$; only Eγ and Iγ are given by authors.

Other: 1966EjZZ.

Level and decay scheme adopted by the evaluators is taken from 1973SaZL. The evaluators regard unpublished results as tentative.
    Adopted I(ce(K)) are from 1966EjZZ.

1973SaZL show several transitions in γ-ray spectrum in addition to those adopted by the evaluators. The evaluators do not list
    these transitions since no isotopic identification is made by the authors.

^{120}Te Levels

E(level)	J$^{\pi}$[†]
0.0	0$^+$
560.4 8	2$^+$
1103.?	0$^+$
1161.3 11	4$^+$
1200.9 8	2$^+$
1775.9 15	6$^+$
1862.1 10	3$^+$
2651.7 18	8$^+$

[†] From Adopted Levels.

$\gamma(^{120}$Te)

E$_\gamma$	I$_\gamma$	E$_i$(level)	J$^{\pi}_i$	E$_f$	J$^{\pi}_f$	Mult.	Comments
543[†]	1.0	1103.?	0$^+$	560.4	2$^+$		
560.3	100	560.4	2$^+$	0.0	0$^+$		ce(K)=100
601.0	65	1161.3	4$^+$	560.4	2$^+$	E2	ce(K)=58 6
							Mult.: from α(K) (1966EjZZ).
614.6	34.5	1775.9	6$^+$	1161.3	4$^+$		ce(K)=25 3
640.6	10.7	1200.9	2$^+$	560.4	2$^+$		ce(K)=9 3
661.5	2.2	1862.1	3$^+$	1200.9	2$^+$		
700.9	0.4	1862.1	3$^+$	1161.3	4$^+$		
875.8	7.3	2651.7	8$^+$	1775.9	6$^+$		
1201	1.9 6	1200.9	2$^+$	0.0	0$^+$		
1301.3	1.2	1862.1	3$^+$	560.4	2$^+$		

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

^{121}Sb(p,2nγ)   1966Ej02,1973SaZL   Legend

Level Scheme

Intensities: Relative I$_γ$

I$_γ <$ 2%×I$_γ^{max}$
I$_γ <$ 10%×I$_γ^{max}$
I$_γ >$ 10%×I$_γ^{max}$
γ Decay (Uncertain)

$^{120}_{52}$Te$_{68}$