

$^{114}\text{Sn}(\text{p}, 2\text{n}\gamma)$ 1976Ka25

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 111, 1471 (2010)	1-May-2009

E=15.8-18.2, 20, 28 MeV. Measured excit, pulsed beam $\gamma(\text{t})$, $\text{n}\gamma$ coin, $\gamma\gamma$ coin, 1976Ka25.

 ^{113}Sb Levels

E(level) [†]	J ^π [#]	T _{1/2}	E(level) [†]	J ^π [#]	T _{1/2}	E(level) [†]	J ^π [#]	T _{1/2}
0.0	5/2 ⁺		1181.2 3		<1 ns	1853.6 11		<1 ns
644.2 5	1/2 ⁺	<1 ns	1256.9 4	(9/2) ⁺	<1 ns	1910.0 8	(11/2 ⁺) [‡]	<1 ns
814.3 3	7/2 ⁺	<1 ns	1347.8 7	11/2 ⁻	<1 ns	1995.5 4		<1 ns
1018.1 4	(5/2 ⁺) [‡]	<1 ns	1461.2 5	(9/2 ⁺) [‡]	<1 ns	2218.8 9	(13/2 ⁺) [‡]	<1 ns

[†] As given by 1976Ka25.

[‡] Suggested [404] rotational band.

[#] From Adopted Levels.

 $\gamma(^{113}\text{Sb})$

E _γ [†]	I _γ [‡]	E _i (level)	J _i ^π	E _f	J _f ^π	E _γ [†]	I _γ [‡]	E _i (level)	J _i ^π	E _f	J _f ^π
90.9		1347.8	11/2 ⁻	1256.9	(9/2) ⁺	814.3		814.3	7/2 ⁺	0.0	5/2 ⁺
238.6		1256.9	(9/2) ⁺	1018.1	(5/2) ⁺	1018.1		1018.1	(5/2) ⁺	0.0	5/2 ⁺
308.8		2218.8	(13/2 ⁺)	1910.0	(11/2 ⁺)	1039.6	80	1853.6		814.3	7/2 ⁺
391.3	20	1853.6		1461.2	(9/2 ⁺)	1181.2 [#]		1181.2		0.0	5/2 ⁺
442.3	14	1256.9	(9/2) ⁺	814.3	7/2 ⁺	1181.2 [#]		1995.5		814.3	7/2 ⁺
448.8		1910.0	(11/2 ⁺)	1461.2	(9/2 ⁺)	1257.0	86	1256.9	(9/2) ⁺	0.0	5/2 ⁺
644.2		644.2	1/2 ⁺	0.0	5/2 ⁺	1460.9	65	1461.2	(9/2 ⁺)	0.0	5/2 ⁺
647.0	35	1461.2	(9/2 ⁺)	814.3	7/2 ⁺						

[†] Uncertainty not given by authors.

[‡] % photon branching from each level.

[#] Multiply placed.

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Legend

Level Scheme

Intensities: Relative I_γ

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

