

^{114}Sb IT decay (219 μs) [1976Ka19](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113, 515 (2012)	1-Jan-2012

Parent: ^{114}Sb : E=495.5 7; $J^\pi=(8^-)$; $T_{1/2}=219 \mu\text{s}$ 12; %IT decay=100.0

Activity: $^{114}\text{Sn}(p,n\gamma)$ E=17 MeV, enriched target.

Measured: stroboscopic resonance.

 ^{114}Sb Levels

E(level) [†]	J^π [‡]	$T_{1/2}$	Comments
0	3 ⁺	3.41 min 3	
90.2 1	(2,3,4)		
136.0 1	(5)		
173.7 2	(6 ⁺)		
495.5 7	(8 ⁻)	219 μs 12	g=0.2815 5 g: probably +, uncorrected for Knight shift and diamagnetism (1977KeZY). $T_{1/2}$: from 1976Ka19 .

[†] A different level scheme was adopted in Adopted Levels from (p,n γ) and ε decay. See Adopted Levels.

[‡] From [1976Ka19](#).

 $\gamma(^{114}\text{Sb})$

E_γ [†]	$E_i(\text{level})$	J^π_i	E_f	J^π_f	Mult.
37.7	173.7	(6 ⁺)	136.0	(5)	
45.8	136.0	(5)	90.2	(2,3,4)	
90.2	90.2	(2,3,4)	0	3 ⁺	
321.8	495.5	(8 ⁻)	173.7	(6 ⁺)	M2,E3

[†] From [1976Ka19](#).

 ^{114}Sb IT decay (219 μs) 1976Ka19

Decay Scheme

%IT=100.0

