Adopted Levels, Gammas

	Type	Author	History Citation	Literature Cutoff Date
	Full Evaluation	D. De Frenne	NDS 110,1745 (2009)	31-Dec-2008

S(n)=1.27×10^4 *4*; S(p)=3.6×10^3 *syst*; Q(α)=2.8×10^2 *12*   2012Wa38

Note: Current evaluation has used the following Q record 13440   SY3605   SY287   syst   2003Au03.

1995Sc28: source: fragmentation of ^{124}Xe. Measured: β's. Deduced T$_{1/2}$.

^{102}Sn Levels

Cross Reference (XREF) Flags

A   (HI,xnγ)
B ^{106}Te α decay

E(level)[†]	J$^{\pi}$[‡]	T$_{1/2}$	XREF	Comments
0.0	0$^+$	3.8 s *2*	A	%ε+%β^+=100 (1995Sc28)
				T$_{1/2}$: from decay of implanted ^{102}Sn ions from 1.α GeV ^{112}Sn spallation (2002Fa13).
				Other: 4.5 s *7* from 1995Sc28 in (HI,xnγ).
0+x			B	
1472	(2$^+$)		A	
1969	(4$^+$)		A	
1969+y	(6$^+$)	0.8 μs *3*	A	T$_{1/2}$: Weighted average of 1.0 μs *5* (1996Li50) and 0.62 μs *+43−19* (1998Li50).

[†] From 1996Li50, based on observed γ's.
[‡] From shell-model calculations.

$\gamma(^{102}$Sn$)$

E$_i$(level)	J$^{\pi}_i$	E$_\gamma$[†]	E$_f$	J$^{\pi}_f$
1472	(2$^+$)	1472	0.0	0$^+$
1969	(4$^+$)	497	1472	(2$^+$)

[†] From 1995Sc28, 1996Li50.

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Level Scheme