

$^{125}\text{Sb}$   $\beta^-$  decay 1998Sa55,1976Wa13,1990Me15

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	J. Katakura	NDS 112, 495 (2011)	1-Jan-2010

Parent:  $^{125}\text{Sb}$ :  $E=0.0$ ;  $J^\pi=7/2^+$ ;  $T_{1/2}=2.75856$  y 25;  $Q(\beta^-)=766.7$  21;  $\% \beta^-$  decay=100.0

The decay scheme is from 1998Sa55,1999Sa73.

1998Sa55,1999Sa73: HPGe,  $\gamma$ ; mini-orange spectrometer, Ice.

1998Ro20:  $\gamma\gamma(\theta)$ , mixing ratio.

1997De38: HPGe,  $\gamma\gamma(\theta)$ , mixing ratio.

1993Fa02: HPGe  $\gamma$ .

1992De26: Plastic scin  $\beta\gamma(t)$ .

1992Sm02: Semi  $\gamma$ ,  $4\pi\beta$ - $\gamma$  coin.

1991Go22: Mini-orange spectrometer, Ice.

1990Me15: HPGe  $\gamma$ .

1990He05: HPGe  $\gamma$ .

1990Lo03: Semi  $\gamma$ ,  $4\pi\beta$ - $\gamma$  coin.

1984Iw03: Semi  $\gamma$ .

1983Si14: Semi  $\gamma$ ,  $\gamma\gamma(\theta)$ .

1976Wa13: Compton-suppression spectrometer.

1972Sa08: Plastic scin  $\beta\gamma(t)$ .

1970Ma20: Mag spect  $\beta\text{ce}(t)$ ,  $(\text{ce})(\text{ce})(t)$ .

1968Ko08: Plastic scin  $\beta\gamma$ -coin,  $\beta\gamma(t)$ .

1966Ma49: Magnetic spectrograph ce.

Others: semi  $\gamma$ : 1968In01, 1968St16, 1969Au09, 1970Na12, 1971Ma08, 1973Gu10, 1977Ar10, 1979Pr08, 1977Ge12, 1980Ro22, 1988RaZM 1992ScZZ; magnetic spectrograph ce: 1959Na06; semi ce: 1970Na12;  $\gamma\gamma(\theta)$ : 1964In02, 1968In01, 1969Kn03, 1969Si05, 1970Ba69, 1970Cr07, 1970Wy01, 1971Ba44, 1971Ro17, 1971Wy02, 1972Ba12; oriented nuclei  $\gamma(\theta)$ : 1968An05, 1968St16, 1971Kr11; liquid scin branching ratio: 1998Gr13; recommended standard: 1979He19, 2000He14.

 $^{125}\text{Te}$  Levels

E(level) <sup>†</sup>	$J^\pi$ <sup>‡</sup>	$T_{1/2}$	Comments
0.0	$1/2^+$	stable	
35.491 3	$3/2^+$	1.482 ns 8	$T_{1/2}$ : From Adopted Levels.
144.776 11	$11/2^-$	57.40 d 15	$\%IT=100$ $T_{1/2}$ : From Adopted Levels.
321.090 11	$9/2^-$	0.672 ns 13	$T_{1/2}$ : From weighted average of $\beta\gamma(t)$ , $\beta\text{ce}(t)$ : 0.695 ns 15 (1968Ko08), 0.68 ns 3 (1969Ho42), 0.76 ns 2 (1970Be47), 0.68 ns 3 (1970Ma20), 0.65 ns 3 (1970Be51), 0.704 ns 21 (1972Sa33), 0.67 ns 4 (1972Be21), 0.647 ns 8 (1992De26); Other: 0.87 ns 8 (1966In02).
402.09 4	$7/2^+$		
443.554 6	$3/2^+$	19.1 ps 6	$T_{1/2}$ : From Adopted Levels. Other: $\leq 100$ ps $\beta\text{ce}(t)$ (1970Ma20).
463.365 3	$5/2^+$	13.2 ps 5	$T_{1/2}$ : From Adopted Levels. Others: 19 ps 3 $\beta\gamma(t)$ (1970Be47), 14 ps 6 $\beta\text{ce}(t)$ (1970Ma20), 26 ps 8 $\beta\gamma(t)$ (1972Sa08).
525.227 9	$7/2^-$	$\leq 160$ ps	$T_{1/2}$ : From $\beta\gamma(t)$ (1968Ko08). Other: $\leq 500$ ps $\beta\text{ce}(t)$ (1970Ma20).
538.60 5	$(1/2^+)$		
636.090 4	$7/2^+$	40 ps 20	$T_{1/2}$ : From $\beta\text{ce}(t)$ (1970Ma20). Others: $\leq 160$ ps $\beta\gamma(t)$ (1968Ko08), $\leq 70$ ps $\beta\gamma(t)$ (1992De26).
642.204 4	$7/2^+$	$\leq 70$ ps	$T_{1/2}$ : From $\beta\gamma(t)$ (1992De26). Other: $\leq 600$ ps $\beta\text{ce}(t)$ (1970Ma20).
652.90 5	$(5/2)$		
671.443 4	$5/2^+$	1.26 ps 6	$T_{1/2}$ : From Adopted Levels. Other: 40 ps 15 $\beta\text{ce}(t)$ (1970Ma20).
728.8 5	$3/2^+$		

<sup>†</sup> From a least-squares fit (by evaluators) to  $E\gamma$ 's.

<sup>‡</sup> From Adopted Levels.

$^{125}\text{Sb}$   $\beta^-$  decay 1998Sa55,1976Wa13,1990Me15 (continued) $\beta^-$  radiations

E(decay)	E(level)	$I\beta^-^\dagger$	Log $ft$	Comments
(37.9 $^\ddagger$ 22)	728.8	<0.000069	>11.0	av $E\beta=9.63$ 56
(95.3 2I)	671.443	13.42 17	6.93 3	av $E\beta=24.91$ 58
(113.8 2I)	652.90	0.055 3	9.56 4	av $E\beta=30.03$ 59
(124.5 2I)	642.204	5.75 7	7.661 24	av $E\beta=33.02$ 59
(130.6 2I)	636.090	17.88 19	7.233 23	av $E\beta=34.74$ 60
(241.5 2I)	525.227	1.609 19	9.120 14	av $E\beta=67.48$ 65
(303.3 2I)	463.365	40.3 4	8.041 11	av $E\beta=86.94$ 68 E(decay): 302 4 from 1966Ma49.
(323.1 2I)	443.554	0.052 13	11.02 11	av $E\beta=93.34$ 69
(364.6 2I)	402.09	0.0222 11	11.562 23	av $E\beta=106.97$ 70
(445.6 2I)	321.090	7.18 8	9.342 9	av $E\beta=134.50$ 73 E(decay): 444 8 from 1966Ma49.
(621.9 2I)	144.776	13.6 9	9.77 <sup>1u</sup> 3	av $E\beta=215.47$ 78 $I\beta^-$ : From 1998Gr13; others: 13.4% (1959Na06),13.7% (1964Ma30), determined from a F-K plot. E(decay): 621 2 determined from spectrum with $\Delta J=2$ -yes shape. Value from weighted average of 619 3 (1959Na06), 623 3 (1964Ma30), 621 3 (1966Ma49).

$^\dagger$  Absolute intensity per 100 decays.

$^\ddagger$  Existence of this branch is questionable.

γ(<sup>125</sup>Te)

I<sub>γ</sub> normalization: from Σ(I(γ+ce) to g.s.+144.8 level)=100-13.6% 9, with I(γ+ce)(35γ) deduced from feeding to the 35 level.

γγ(θ) data

cascade	A <sub>2</sub>	A <sub>4</sub>	ref
204 - 176	-0.471 11		<a href="#">1997De38</a>
	-0.405 12	0.032 46	<a href="#">1998Ro20</a>
321 - 176	-0.144 13		<a href="#">1997De38</a>
	-0.144 12	0.00 1	<a href="#">1998Ro20</a>
166 - 204	-0.41 2	0.04 4	<a href="#">1998Ro20</a>

E <sub>γ</sub>	I <sub>γ</sub> <sup>cg</sup>	E <sub>i</sub> (level)	J <sub>i</sub> <sup>π</sup>	E <sub>f</sub>	J <sub>f</sub> <sup>π</sup>	Mult. <sup>d</sup>	δ <sup>e</sup>	α <sup>f</sup>	Comments
19.80 6	0.069 3	463.365	5/2 <sup>+</sup>	443.554	3/2 <sup>+</sup>	[M1]		10.93 19	α(L)=8.79 15; α(M)=1.76 3; α(N+..)=0.384 7 α(N)=0.346 6; α(O)=0.0373 7 E <sub>γ</sub> : From <a href="#">1998Sa55</a> .
35.489 <sup>‡</sup> 5	14.78 3	35.491	3/2 <sup>+</sup>	0.0	1/2 <sup>+</sup>	M1+E2	0.031 3	13.69	α(K)=11.70 17; α(L)=1.596 25; α(M)=0.319 5; α(N+..)=0.0697 11 α(N)=0.0630 10; α(O)=0.00674 10 I <sub>γ</sub> : From intensity balance. Experimental value is 15.2 10. Mult.: From <sup>125</sup> I ε decay. α(L) <sub>exp</sub> =1.70 17, L1:L2:L3=100:9.3:1.9.
<sup>x</sup> 58.43 <sup>&amp;</sup> 5	0.042 <sup>&amp;</sup> 20								E <sub>γ</sub> : Not placed in the level scheme. But also reported in <a href="#">1983Si14</a> and <a href="#">1993Fa02</a> . <a href="#">1983Si14</a> proposed the transition from 729 keV to 671-keV level.
61.85 <sup>&amp;</sup> 16	0.007 <sup>&amp;</sup> 3	525.227	7/2 <sup>-</sup>	463.365	5/2 <sup>+</sup>	[E1]		0.750 12	α(K)=0.641 10; α(L)=0.0875 14; α(M)=0.0173 3; α(N+..)=0.00367 6 α(N)=0.00334 6; α(O)=0.000331 6
81.02 <sup>&amp;</sup> 4	0.017 <sup>&amp;</sup> 1	402.09	7/2 <sup>+</sup>	321.090	9/2 <sup>-</sup>	E1		0.354	α(K)=0.304 5; α(L)=0.0402 6; α(M)=0.00796 12; α(N+..)=0.001697 24 α(N)=0.001541 22; α(O)=0.0001558 22 α(K) <sub>exp</sub> =0.47 11.
110.895 <sup>a</sup> 12	0.0035 4	636.090	7/2 <sup>+</sup>	525.227	7/2 <sup>-</sup>	[E1]		0.1468	α(K)=0.1266 18; α(L)=0.01628 23; α(M)=0.00323 5; α(N+..)=0.000692 10 α(N)=0.000628 9; α(O)=6.46×10 <sup>-5</sup> 9 α(K) <sub>exp</sub> =1.11 24.
116.955 <sup>a</sup> 11	0.887 9	642.204	7/2 <sup>+</sup>	525.227	7/2 <sup>-</sup>	E1		0.1264	α(K)=0.1090 16; α(L)=0.01398 20; α(M)=0.00277 4;

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<sup>125</sup>Sb β<sup>-</sup> decay [1998Sa55](#),[1976Wa13](#),[1990Me15](#) (continued)

γ(<sup>125</sup>Te) (continued)

<u>E<sub>γ</sub></u>	<u>I<sub>γ</sub><sup>cg</sup></u>	<u>E<sub>i</sub>(level)</u>	<u>J<sub>i</sub><sup>π</sup></u>	<u>E<sub>f</sub></u>	<u>J<sub>f</sub><sup>π</sup></u>	<u>Mult.<sup>d</sup></u>	<u>δ<sup>e</sup></u>	<u>α<sup>†f</sup></u>	<u>Comments</u>
132.81 <sup>&amp;</sup> 14	0.0029 <sup>&amp;</sup> 19	671.443	5/2 <sup>+</sup>	538.60	(1/2 <sup>+</sup> )	[E2]		0.624	α(N+..)=0.000595 9 α(N)=0.000539 8; α(O)=5.56×10 <sup>-5</sup> 8 α(K)exp=0.081 7. E <sub>γ</sub> : <a href="#">1998Sa55</a> report 116.956 16.
172.719 <sup>‡</sup> 8	0.646 24	636.090	7/2 <sup>+</sup>	463.365	5/2 <sup>+</sup>	M1(+E2)	-0.004 8	0.1484	α(K)=0.471 7; α(L)=0.1225 18; α(M)=0.0254 4; α(N+..)=0.00522 8 α(N)=0.00480 7; α(O)=0.000424 7
176.314 <sup>#</sup> 2	23.11 5	321.090	9/2 <sup>-</sup>	144.776	11/2 <sup>-</sup>	M1+E2	-0.60 2	0.164 3	α(K)=0.1280 18; α(L)=0.01642 23; α(M)=0.00328 5; α(N+..)=0.000719 10 α(N)=0.000649 9; α(O)=7.04×10 <sup>-5</sup> 10 α(K)exp=0.096 8.
178.842 <sup>‡</sup> 5	0.114 8	642.204	7/2 <sup>+</sup>	463.365	5/2 <sup>+</sup>	M1+E2		0.18 5	α(K)=0.1376 21; α(L)=0.0216 5; α(M)=0.00437 9; α(N+..)=0.000936 19 α(N)=0.000850 17; α(O)=8.57×10 <sup>-5</sup> 16 δ: Weighted av from -0.58 7 ( <a href="#">1997De38</a> ), -0.59 2 ( <a href="#">1998Ro20</a> ) and -0.62 3 (from the L subshell ratios and the sign from alignment measurement ( <a href="#">1972Ke19</a> )). α(K)exp=0.138 10, K/L=6.5 5, L1:L2:L3=100:23.8:18.6.
198.654 <sup>‡</sup> 11	0.0432 20	642.204	7/2 <sup>+</sup>	443.554	3/2 <sup>+</sup>	[E2]		0.1534	α(K)=0.15 3; α(L)=0.026 11; α(M)=0.0052 23; α(N+..)=0.0011 5 α(N)=0.0010 5; α(O)=0.00010 4 α(K)exp=0.140 23.
204.138 <sup>@</sup> 10	1.070 21	525.227	7/2 <sup>-</sup>	321.090	9/2 <sup>-</sup>	M1+E2	+1.60 3	0.1270 19	α(K)=0.1233 18; α(L)=0.0241 4; α(M)=0.00493 7; α(N+..)=0.001032 15 α(N)=0.000944 14; α(O)=8.85×10 <sup>-5</sup> 13
208.077 <sup>@</sup> 5	0.837 14	671.443	5/2 <sup>+</sup>	463.365	5/2 <sup>+</sup>	M1+E2	+0.105 14	0.0901	α(K)=0.1039 15; α(L)=0.0185 3; α(M)=0.00377 6; α(N+..)=0.000796 12 α(N)=0.000726 11; α(O)=7.00×10 <sup>-5</sup> 11 δ: Weighted av from +1.3 2 ( <a href="#">1997De38</a> ), +1.74 9 ( <a href="#">1998Ro20</a> ) and +1.60 2 ( <a href="#">1998Ro20</a> ). α(K)exp=0.090 10.
209.32 <sup>&amp;</sup> 9	0.152 <sup>&amp;</sup> 9	652.90	(5/2)	443.554	3/2 <sup>+</sup>				α(K)=0.0777 11; α(L)=0.00999 15; α(M)=0.00199 3; α(N+..)=0.000437 7
227.891 <sup>‡</sup> 10	0.443 6	671.443	5/2 <sup>+</sup>	443.554	3/2 <sup>+</sup>	(M1+E2)		0.083 13	α(N)=0.000394 6; α(O)=4.27×10 <sup>-5</sup> 6 α(K)exp=0.086 5. α(K)=0.069 9; α(L)=0.011 4; α(M)=0.0022 7; α(N+..)=0.00047 14 α(N)=0.00043 13; α(O)=4.3×10 <sup>-5</sup> 10 α(K)exp=0.101 6.

<sup>125</sup>Sb β<sup>-</sup> decay [1998Sa55](#),[1976Wa13](#),[1990Me15](#) (continued)

γ(<sup>125</sup>Te) (continued)

<u>E<sub>γ</sub></u>	<u>I<sub>γ</sub><sup>cg</sup></u>	<u>E<sub>i</sub>(level)</u>	<u>J<sub>i</sub><sup>π</sup></u>	<u>E<sub>f</sub></u>	<u>J<sub>f</sub><sup>π</sup></u>	<u>Mult.<sup>d</sup></u>	<u>δ<sup>e</sup></u>	<u>α<sup>†f</sup></u>	<u>Comments</u>
314.95 <sup>a</sup> 11	0.0136 16	636.090	7/2 <sup>+</sup>	321.090	9/2 <sup>-</sup>	(E1)		0.00833 12	α=0.00833 12; α(K)=0.00723 11; α(L)=0.000891 13; α(M)=0.0001766 25; α(N+..)=3.85×10 <sup>-5</sup> α(N)=3.47×10 <sup>-5</sup> 5; α(O)=3.71×10 <sup>-6</sup> 6 α(K)exp=0.043 9.
321.04 <sup>a</sup> 4	1.404 9	642.204	7/2 <sup>+</sup>	321.090	9/2 <sup>-</sup>	E1(+M2)	-0.003 13	0.00793 12	α=0.00793 12; α(K)=0.00688 10; α(L)=0.000847 13; α(M)=0.0001680 25; α(N+..)=3.66×10 <sup>-5</sup> α(N)=3.30×10 <sup>-5</sup> 5; α(O)=3.53×10 <sup>-6</sup> 6 α(N)=3.30×10 <sup>-5</sup> 5; α(O)=3.53×10 <sup>-6</sup> 5 α(K)exp=0.011 7. δ: From <a href="#">1998Ro20</a> .
331.82 <sup>&amp;</sup> 6	0.0085 <sup>&amp;</sup> 8	652.90	(5/2)	321.090	9/2 <sup>-</sup>				
366.56 <sup>&amp;</sup> 11	0.027 <sup>&amp;</sup> 2	402.09	7/2 <sup>+</sup>	35.491	3/2 <sup>+</sup>				
380.452 <sup>‡</sup> 8	5.124 19	525.227	7/2 <sup>-</sup>	144.776	11/2 <sup>-</sup>	E2		0.0182	α(K)=0.01537 22; α(L)=0.00230 4; α(M)=0.000465 7; α(N+..)=9.95×10 <sup>-5</sup> 14 α(N)=9.04×10 <sup>-5</sup> 13; α(O)=9.15×10 <sup>-6</sup> 13 α(K)exp=0.0142 6, K/L=6.8 5.
401.95 <sup>&amp;</sup> 12	0.021 <sup>&amp;</sup> 2	402.09	7/2 <sup>+</sup>	0.0	1/2 <sup>+</sup>	[M3]		0.193	α(K)=0.1600 23; α(L)=0.0268 4; α(M)=0.00552 8; α(N+..)=0.001200 17 α(N)=0.001086 16; α(O)=0.0001137 16
408.065 <sup>‡</sup> 10	0.623 6	443.554	3/2 <sup>+</sup>	35.491	3/2 <sup>+</sup>	M1+E2	+1.50 7	0.01500	α(K)=0.01278 18; α(L)=0.00179 3; α(M)=0.000359 5; α(N+..)=7.75×10 <sup>-5</sup> 11 α(N)=7.02×10 <sup>-5</sup> 10; α(O)=7.30×10 <sup>-6</sup> 11 α(K)exp=0.0169 12.
427.874 <sup>#</sup> 4	100	463.365	5/2 <sup>+</sup>	35.491	3/2 <sup>+</sup>	M1+E2	-0.538 11	0.01360	α(K)=0.01172 17; α(L)=0.001511 22; α(M)=0.000302 5; α(N+..)=6.59×10 <sup>-5</sup> 10 α(N)=5.95×10 <sup>-5</sup> 9; α(O)=6.40×10 <sup>-6</sup> 9 α(K)exp=0.0114 3, K/L=7.3 5, L1:L2:L3=100:12.7:7.6.
443.555 <sup>@</sup> 9	1.035 6	443.554	3/2 <sup>+</sup>	0.0	1/2 <sup>+</sup>	M1+E2	-2.3 1	0.01169	α(K)=0.00995 14; α(L)=0.001398 20; α(M)=0.000281 4; α(N+..)=6.06×10 <sup>-5</sup> 9 α(N)=5.49×10 <sup>-5</sup> 8; α(O)=5.69×10 <sup>-6</sup> 8 α(K)exp=0.011 3.
463.365 <sup>#</sup> 4	35.45 10	463.365	5/2 <sup>+</sup>	0.0	1/2 <sup>+</sup>	E2		0.01014	α(K)=0.00861 12; α(L)=0.001226 18; α(M)=0.000246 4; α(N+..)=5.31×10 <sup>-5</sup> 8 α(N)=4.81×10 <sup>-5</sup> 7; α(O)=4.96×10 <sup>-6</sup> 7 K/L=7.4 3, L1:L2:L3=100:16.9:12.5.
489.73 <sup>&amp;</sup> 8	0.0046 <sup>&amp;</sup> 23	525.227	7/2 <sup>-</sup>	35.491	3/2 <sup>+</sup>				
491.29 <sup>&amp;</sup> 14	0.016 <sup>&amp;</sup> 8	636.090	7/2 <sup>+</sup>	144.776	11/2 <sup>-</sup>				
497.37 <sup>a</sup> 12	0.0108 12	642.204	7/2 <sup>+</sup>	144.776	11/2 <sup>-</sup>	[M2]		0.0312	α(K)=0.0267 4; α(L)=0.00364 6; α(M)=0.000733 11;

<sup>125</sup>Sb β<sup>-</sup> decay [1998Sa55](#),[1976Wa13](#),[1990Me15](#) (continued)

γ(<sup>125</sup>Te) (continued)

<u>E<sub>γ</sub></u>	<u>I<sub>γ</sub><sup>cg</sup></u>	<u>E<sub>i</sub>(level)</u>	<u>J<sub>i</sub><sup>π</sup></u>	<u>E<sub>f</sub></u>	<u>J<sub>f</sub><sup>π</sup></u>	<u>Mult.<sup>d</sup></u>	<u>δ<sup>e</sup></u>	<u>α<sup>†f</sup></u>	<u>Comments</u>
									α(N+..)=0.0001607 23 α(N)=0.0001450 21; α(O)=1.566×10 <sup>-5</sup> 22 E <sub>γ</sub> : <a href="#">1998Sa55</a> report 497.41 14.
503.10& 6	0.013& 6	538.60	(1/2 <sup>+</sup> )	35.491	3/2 <sup>+</sup>				
538.62& 12	0.0047& 25	538.60	(1/2 <sup>+</sup> )	0.0	1/2 <sup>+</sup>				
600.597# 2	59.62 16	636.090	7/2 <sup>+</sup>	35.491	3/2 <sup>+</sup>	E2		0.00494 7	α=0.00494 7; α(K)=0.00423 6; α(L)=0.000571 8; α(M)=0.0001143 16; α(N+..)=2.48×10 <sup>-5</sup> 4 α(N)=2.24×10 <sup>-5</sup> 4; α(O)=2.36×10 <sup>-6</sup> 4 α(K)exp=0.00418 13, K/L=7.4 4, L1:L2:L3=100:12.3:9.4.
606.713# 3	16.83 6	642.204	7/2 <sup>+</sup>	35.491	3/2 <sup>+</sup>	E2		0.00481 7	α=0.00481 7; α(K)=0.00412 6; α(L)=0.000555 8; α(M)=0.0001111 16; α(N+..)=2.41×10 <sup>-5</sup> 4 α(N)=2.18×10 <sup>-5</sup> 3; α(O)=2.29×10 <sup>-6</sup> 4 Mult.: From α(K)exp=0.00383 17, K/L=5.7 5.
617.40& 14	0.018& 2	652.90	(5/2)	35.491	3/2 <sup>+</sup>				
635.950# 3	37.9 3	671.443	5/2 <sup>+</sup>	35.491	3/2 <sup>+</sup>	M1+E2	+0.332 3	0.00515 8	α=0.00515 8; α(K)=0.00446 7; α(L)=0.000553 8; α(M)=0.0001100 16; α(N+..)=2.42×10 <sup>-5</sup> 4 α(N)=2.18×10 <sup>-5</sup> 3; α(O)=2.37×10 <sup>-6</sup> 4 α(K)exp=0.00428 17, K/L=7.9 4, L1:L2:L3=100:12.8:7.1.
652.8& 4	0.009& 3	652.90	(5/2)	0.0	1/2 <sup>+</sup>				
671.441# 6	6.049 19	671.443	5/2 <sup>+</sup>	0.0	1/2 <sup>+</sup>	E2		0.00371 6	α=0.00371 6; α(K)=0.00318 5; α(L)=0.000421 6; α(M)=8.41×10 <sup>-5</sup> 12; α(N+..)=1.83×10 <sup>-5</sup> 3 α(N)=1.652×10 <sup>-5</sup> 24; α(O)=1.748×10 <sup>-6</sup> 25 α(K)exp=0.00333 16, K/L=8.8 9.
693.3 <sup>bh</sup> 5	<0.00031	728.8	3/2 <sup>+</sup>	35.491	3/2 <sup>+</sup>				I <sub>γ</sub> : From <a href="#">1976Wa13</a> . Other: 0.0015 6 ( <a href="#">1983Si14</a> ).

<sup>†</sup> Additional information 1.

<sup>‡</sup> From [1990He05](#).

# Values recommended by [2000He14](#).

@ Given in table 7 of [2000He14](#) but not in their table of recommended values.

& Seen only by [1998Sa55](#).

<sup>a</sup> From [1990Me15](#).

<sup>b</sup> From [1983Si14](#). Uncertainty is not given by author. 0.5 keV uncertainty is assumed by evaluator.

<sup>c</sup> Weighted av from [1990Lo03](#), [1990He05](#), [1990Me15](#), [1992Sm02](#), [1993Fa02](#) and [1998Sa55](#), unless otherwise noted.

<sup>d</sup> From α(exp) and γγ(θ), unless otherwise noted.

<sup>e</sup> From adopted gammas, unless otherwise indicated.

<sup>f</sup> α(K)exp and K/L from weighted av of Ice's ([1966Ma49](#), [1991Go22](#) and [1998Sa55](#)) and the adopted I(γ's) if α(K)(463.4γ)=0.008610(E2), unless otherwise

$\gamma(^{125}\text{Te})$  (continued)

noted. L1:L2:L3 values are from 1966Ma49.

<sup>g</sup> For absolute intensity per 100 decays, multiply by 0.296 3.

<sup>h</sup> Placement of transition in the level scheme is uncertain.

<sup>x</sup>  $\gamma$  ray not placed in level scheme.

$^{125}\text{Sb}$   $\beta^-$  decay 1998Sa55,1976Wa13,1990Me15