

$^{118}\text{I}\beta^+$  decay (13.7 min) 1985StZU

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	K. Kitao	NDS 75,99 (1995)	1-Feb-1993

Parent:  $^{118}\text{I}$ :  $E=0.0$ ;  $J^\pi=2^-$ ;  $T_{1/2}=13.7$  min 5;  $Q(\beta^+)=7040$  80;  $\% \beta^+$  decay=100.0

1985Sh04, 1985Sh16, 1985St29:  $^{93}\text{Nb}(^{32}\text{S},\text{X})$ ,  $^{93}\text{Nb}(^{34}\text{S},\text{X})$   $E=175$  MeV; on-line low temperature nuclear orientation,  $\gamma\gamma(\theta)$ ,  $\gamma\gamma$  coin.

1985StZU:  $E_\gamma$  and  $I_\gamma$  from the 13.7-min+8.5-min combined source. No experimental details were given, but these are the same as the procedure described in the above references.

1987Wa17, 1987WaZL: ce.

Others: 1965An05, 1967La18, 1969Ha08, 1969La17, 1969Sp07, 1970LaZX, 1985RiZV.

The decay scheme has been extracted by evaluator from the 13.7-min+8.5-min combined decay scheme proposed by 1985StZU. The following assumptions are made in separating the two decays: (1) levels deexciting to  $0^+$  levels (g.s. and 957.3 keV) and  $2^+$  levels (605.6 and 1150.7 keV) are populated by feedings from the  $2^-$  parent, and not from the ( $7^-$ ) parent. (2) the  $J^\pi$  values of levels at 1820, 2150, 2573, 3000, and 3400 keV are adopted as proposed in ( $\alpha,2n\gamma$ ). These levels are populated by feedings from the ( $7^-$ ) parent, and not from the  $2^-$  parent. (3) levels deexciting to  $6^+$  levels (1820 and 2150 keV) are populated by feedings from the ( $7^-$ ) parent, and not from the  $2^-$  parent.

 $^{118}\text{Te}$  Levels

E(level) <sup>†</sup>	$J^\pi$ <sup>‡</sup>	E(level) <sup>†</sup>	$J^\pi$ <sup>‡</sup>	E(level) <sup>†</sup>	E(level) <sup>†</sup>
0.0	$0^+$	1862.92 24	$1,2^+$	2372.7 4	2762.0 4
605.56 19	$2^+$	1891.7 3	$(3)^+$	2422?	2813.3? 6
957.33 24	$0^+$	1944.34 25	$3^-$	2438.0 4	2852.2 4
1150.66 19	$2^+$	1976.1 3	$(4^+)$	2500.67 25	2862.6 4
1206.25 23	$4^+$	2020.4 3		2531.5 4	3253.33 25
1481.96 19	$1^+,2^+$	2229.6 3	$(4)^+$	2571.0 3	3438.8 4
1517.2 3	$0^+$	2285.2 4		2611.4 4	3602.2? 6
1661.4 4		2322.2 3		2622.3 4	
1702.9 3	$(4)^+$	2352.6 4		2730.3 4	

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

<sup>‡</sup> From Adopted Levels.

 $\epsilon, \beta^+$  radiations

$E\beta$  measurements:  $E\beta^+=7000$  from absorption (1965An05),  $E\beta^+=5500$  from scin singles spectrum; also reported from  $\gamma\beta^+$  coin: ( $4300\beta^+$ )( $612\gamma$ ), ( $4900\beta^+$ )( $600\gamma$ ), ( $5450\beta^+$  150)( $605\gamma$ ) (1968La18), ( $5440\beta^+$  100)( $605\gamma$ ) (1970BeYT).

E(decay)	E(level)	$I\beta^+$ <sup>†</sup>	$I\epsilon$ <sup>†</sup>	Log $ft$	$I(\epsilon+\beta^+)$ <sup>†</sup>	Comments
$(3.60 \times 10^3)$ 8)	3438.8	0.35 4	0.15 2	7.38 7	0.50 5	av $E\beta=1167$ 37; $\epsilon K=0.254$ 18; $\epsilon L=0.0333$ 23; $\epsilon M+=0.0088$ 6
$(3.79 \times 10^3)$ 8)	3253.33	1.03 7	0.36 3	7.04 6	1.39 8	av $E\beta=1249$ 38; $\epsilon K=0.220$ 15; $\epsilon L=0.0288$ 20; $\epsilon M+=0.0076$ 6
$(4.18 \times 10^3)$ 8)	2862.6	0.24 2	0.054 7	7.94 7	0.29 3	av $E\beta=1432$ 38; $\epsilon K=0.161$ 11; $\epsilon L=0.0211$ 14; $\epsilon M+=0.0056$ 4
$(4.19 \times 10^3)$ 8)	2852.2	0.54 6	0.12 2	7.59 7	0.66 7	av $E\beta=1436$ 38; $\epsilon K=0.160$ 11; $\epsilon L=0.0209$ 14; $\epsilon M+=0.0055$ 4
$(4.28 \times 10^3)$ 8)	2762.0	0.24 2	0.050 6	8.00 7	0.29 3	av $E\beta=1479$ 38; $\epsilon K=0.149$ 10; $\epsilon L=0.0195$ 13; $\epsilon M+=0.0051$ 4
$(4.31 \times 10^3)$ 8)	2730.3	<0.20	<0.041	>8.1	<0.24	av $E\beta=1494$ 38; $\epsilon K=0.146$ 10; $\epsilon L=0.0190$ 12; $\epsilon M+=0.0050$ 4

Continued on next page (footnotes at end of table)

$^{118}\text{I}\beta^+$  decay (13.7 min) **1985StZU (continued)** $\epsilon, \beta^+$  radiations (continued)

E(decay)	E(level)	$I\beta^+{}^\dagger$	$I\epsilon{}^\dagger$	Log $ft$	$I(\epsilon+\beta^+){}^\dagger$	Comments
( $4.42 \times 10^3$ 8)	2622.3	0.35 3	0.066 8	7.91 6	0.42 4	av $E\beta=1544$ 38; $\epsilon K=0.134$ 9; $\epsilon L=0.0176$ 11; $\epsilon M+=0.0046$ 3
( $4.43 \times 10^3$ 8)	2611.4	0.606 8	0.112 7	7.68 5	0.718 4	av $E\beta=1549$ 38; $\epsilon K=0.133$ 9; $\epsilon L=0.0174$ 11; $\epsilon M+=0.0046$ 3
( $4.47 \times 10^3$ 8)	2571.0	<0.45	<0.080	>7.8	<0.53	av $E\beta=1568$ 38; $\epsilon K=0.129$ 8; $\epsilon L=0.0169$ 11; $\epsilon M+=0.0045$ 3
( $4.51 \times 10^3$ 8)	2531.5	<0.28	<0.048	>8.1	<0.33	av $E\beta=1587$ 38; $\epsilon K=0.126$ 8; $\epsilon L=0.0164$ 10; $\epsilon M+=0.0043$ 3
( $4.54 \times 10^3$ 8)	2500.67	1.43 10	0.239 22	7.37 6	1.67 11	av $E\beta=1601$ 38; $\epsilon K=0.123$ 8; $\epsilon L=0.0161$ 10; $\epsilon M+=0.0042$ 3
( $4.60 \times 10^3$ 8)	2438.0	<0.31	<0.049	>8.1	<0.36	av $E\beta=1631$ 38; $\epsilon K=0.118$ 7; $\epsilon L=0.0153$ 10; $\epsilon M+=0.00404$ 25
( $4.67 \times 10^3$ 8)	2372.7	0.79 9	0.12 1	7.70 7	0.91 10	av $E\beta=1662$ 38; $\epsilon K=0.112$ 7; $\epsilon L=0.0146$ 9; $\epsilon M+=0.00386$ 23
( $4.69 \times 10^3$ 8)	2352.6	0.17 3	0.026 4	8.37 8	0.20 3	av $E\beta=1671$ 38; $\epsilon K=0.111$ 7; $\epsilon L=0.0144$ 9; $\epsilon M+=0.00381$ 23
( $4.72 \times 10^3$ 8)	2322.2	0.55 4	0.079 7	7.89 5	0.63 4	av $E\beta=1686$ 38; $\epsilon K=0.108$ 7; $\epsilon L=0.0141$ 9; $\epsilon M+=0.00372$ 22
( $4.75 \times 10^3$ 8)	2285.2	0.22 3	0.031 4	8.31 7	0.25 3	av $E\beta=1703$ 38; $\epsilon K=0.106$ 6; $\epsilon L=0.0138$ 8; $\epsilon M+=0.00363$ 21
( $4.81 \times 10^3$ 8)	2229.6	0.60 5	0.080 9	7.90 6	0.68 6	av $E\beta=1729$ 38; $\epsilon K=0.102$ 6; $\epsilon L=0.0133$ 8; $\epsilon M+=0.00349$ 20
( $5.02 \times 10^3$ 8)	2020.4	1.70 15	0.194 21	7.55 6	1.89 17	av $E\beta=1828$ 38; $\epsilon K=0.088$ 5; $\epsilon L=0.0115$ 7; $\epsilon M+=0.00303$ 17
( $5.06 \times 10^3$ 8)	1976.1	1.19 9	0.132 12	7.73 6	1.32 10	av $E\beta=1849$ 38; $\epsilon K=0.086$ 5; $\epsilon L=0.0112$ 7; $\epsilon M+=0.00294$ 16
( $5.10 \times 10^3$ 8)	1944.34	7.26 6	0.79 4	6.96 4	8.05 5	av $E\beta=1864$ 38; $\epsilon K=0.084$ 5; $\epsilon L=0.0109$ 6; $\epsilon M+=0.00288$ 16
( $5.15 \times 10^3$ 8)	1891.7	1.95 14	0.203 18	7.56 5	2.15 15	av $E\beta=1889$ 38; $\epsilon K=0.081$ 5; $\epsilon L=0.0106$ 6; $\epsilon M+=0.00278$ 15
( $5.18 \times 10^3$ 8)	1862.92	2.15 19	0.219 23	7.53 6	2.37 21	av $E\beta=1903$ 38; $\epsilon K=0.080$ 5; $\epsilon L=0.0104$ 6; $\epsilon M+=0.00273$ 15
( $5.34 \times 10^3$ 8)	1702.9	2.37 17	0.217 19	7.56 5	2.59 18	av $E\beta=1979$ 38; $\epsilon K=0.072$ 4; $\epsilon L=0.0094$ 5; $\epsilon M+=0.00247$ 13
( $5.38 \times 10^3$ 8)	1661.4	0.32 4	0.029 4	8.45 7	0.35 4	av $E\beta=1999$ 38; $\epsilon K=0.070$ 4; $\epsilon L=0.0091$ 5; $\epsilon M+=0.00240$ 13
( $5.52 \times 10^3$ 8)	1517.2	0.51 4	0.041 4	8.31 5	0.55 4	av $E\beta=2067$ 39; $\epsilon K=0.064$ 4; $\epsilon L=0.0083$ 5; $\epsilon M+=0.00220$ 11
( $5.56 \times 10^3$ 8)	1481.96	5.9 6	0.47 5	7.26 6	6.4 6	av $E\beta=2084$ 39; $\epsilon K=0.063$ 4; $\epsilon L=0.0082$ 4; $\epsilon M+=0.00215$ 11
( $5.83 \times 10^3$ 8)	1206.25	3.9 8	0.26 5	7.55 9	4.2 8	av $E\beta=2216$ 39; $\epsilon K=0.053$ 3; $\epsilon L=0.0070$ 4; $\epsilon M+=0.00183$ 9
( $5.89 \times 10^3$ 8)	1150.66	6.2 11	0.40 7	7.38 9	6.6 12	$E(\beta^+)=4900$ from $(\beta^+)(600\gamma)$ coin (1968La18). av $E\beta=2243$ 39; $\epsilon K=0.0517$ 25; $\epsilon L=0.0067$ 4; $\epsilon M+=0.00177$ 9
( $6.08 \times 10^3$ 8)	957.33	1.1 3	0.14 4	$10.02^{1u}$ 12	1.2 3	av $E\beta=2318$ 38; $\epsilon K=0.099$ 5; $\epsilon L=0.0130$ 6; $\epsilon M+=0.00342$ 16
( $6.43 \times 10^3$ 8)	605.56	32.8 14	1.54 9	6.87 4	34.3 15	av $E\beta=2504$ 39; $\epsilon K=0.0385$ 17; $\epsilon L=0.00501$ 22; $\epsilon M+=0.00132$ 6
( $7.04 \times 10^3$ 8)	0.0	16.7	1.27	$9.3^{1u}$	18.0	$E(\beta^+)=5440$ 100 (1970BeYT), $5450$ 150 (1968La18). av $E\beta=2769$ 38; $\epsilon K=0.0604$ 24; $\epsilon L=0.0079$ 4; $\epsilon M+=0.00209$ 9

 $^\dagger$  Absolute intensity per 100 decays.

$^{118}\text{I}\beta^+$  decay (13.7 min)  $^{198}\text{SsTZU}$  (continued)

$\gamma(^{118}\text{Te})$

I $\gamma$  normalization: From I( $\varepsilon+\beta^+$  to g.s.)=18.0 % assumed based on systematics of log  $f^{lu}_t$  value for feeding from  $2^-$  parent to  $0^+$  g.s..

$E_\gamma$ †	$I_\gamma$ & e	$E_i$ (level)	$J_i^\pi$	$E_f$	$J_f^\pi$	Mult. <sup>c</sup>	$\delta$	$I_{(\gamma+ce)}$ <sup>e</sup>	Comments
331.0 3	0.30 3	1481.96	1 <sup>+</sup> ,2 <sup>+</sup>	1150.66	2 <sup>+</sup>				
351.7 3	2.43 25	957.33	0 <sup>+</sup>	605.56	2 <sup>+</sup>				
366.5 3	0.25 3	1517.2	0 <sup>+</sup>	1150.66	2 <sup>+</sup>				
496.8 3	0.82 <sup>a</sup> 8	1702.9	(4) <sup>+</sup>	1206.25	4 <sup>+</sup>	M1+E2	+1.0 +3-2		$\delta$ : from ( $\alpha,2n\gamma$ ).
524.4 3	0.88 10	1481.96	1 <sup>+</sup> ,2 <sup>+</sup>	957.33	0 <sup>+</sup>				
528.4 <sup>f</sup> 3	0.13 1	2229.6	(4) <sup>+</sup>	1702.9	(4) <sup>+</sup>				
545.0 3	10.5 11	1150.66	2 <sup>+</sup>	605.56	2 <sup>+</sup>	M1+E2	+17 +27-7		Mult., $\delta$ : from $\gamma$ -linear pol ( <a href="#">1985RiZV</a> ).
551.8 3	1.55 <sup>a</sup> 16	1702.9	(4) <sup>+</sup>	1150.66	2 <sup>+</sup>	E2			
560	0.010 2	1517.2	0 <sup>+</sup>	957.33	0 <sup>+</sup>	E0 <sup>d</sup>		0.010 <sup>b</sup> 2	$E_\gamma$ : <a href="#">1987Wa17</a> deduced intensity of 560 $\gamma$ : $I_\gamma=0.3$ 1 and $\alpha(K)\text{exp}=0.026$ 8; $\alpha(K)(M2)=0.019$ . However, existence of the $\gamma$ has not been confirmed by other authors.
600.6 3	8.4 <sup>a</sup> 8	1206.25	4 <sup>+</sup>	605.56	2 <sup>+</sup>	E2			
605.6 3	81.1 <sup>a</sup>	605.56	2 <sup>+</sup>	0.0	0 <sup>+</sup>	E2			
626.7 <sup>‡</sup> 3	<0.14	2571.0		1944.34	3 <sup>-</sup>				
685.2 3	0.42 <sup>a</sup> 4	1891.7	(3) <sup>+</sup>	1206.25	4 <sup>+</sup>				
712.5 3	0.45 5	1862.92	1,2 <sup>+</sup>	1150.66	2 <sup>+</sup>				
719.6 <sup>‡f</sup> 3	<0.34	2422?		1702.9	(4) <sup>+</sup>				
738.1 3	<0.35 <sup>a</sup>	1944.34	3 <sup>-</sup>	1206.25	4 <sup>+</sup>				
741.2 3	1.38 <sup>a</sup> 14	1891.7	(3) <sup>+</sup>	1150.66	2 <sup>+</sup>	M1+E2	-9.5		Mult., $\delta$ : from ( $\alpha,2n\gamma$ ), $\Delta\delta=+40-190$ .
770.0 3	0.44 <sup>a</sup> 4	1976.1	(4) <sup>+</sup>	1206.25	4 <sup>+</sup>				
793.7 3	<0.09 <sup>a</sup>	1944.34	3 <sup>-</sup>	1150.66	2 <sup>+</sup>				
840.0 3	0.32 3	2322.2		1481.96	1 <sup>+</sup> ,2 <sup>+</sup>				
869.7 3	0.30 3	2020.4		1150.66	2 <sup>+</sup>				
<sup>x</sup> 874.1 <sup>#</sup>									
876.4 3	5.86 60	1481.96	1 <sup>+</sup> ,2 <sup>+</sup>	605.56	2 <sup>+</sup>	M1+E2	-0.58 +5-6		Mult., $\delta$ : from $\gamma$ -linear pol ( <a href="#">1985RiZV</a> ).
905.7 3	0.25 3	1862.92	1,2 <sup>+</sup>	957.33	0 <sup>+</sup>				
911.6 3	0.32 3	1517.2	0 <sup>+</sup>	605.56	2 <sup>+</sup>				
957	0.023 3	957.33	0 <sup>+</sup>	0.0	0 <sup>+</sup>	E0 <sup>d</sup>		0.023 <sup>b</sup> 3	$E_\gamma$ : <a href="#">1987Wa17</a> deduced intensity of 957 $\gamma$ : $I_\gamma=0.3$ 1 and $\alpha(K)\text{exp}=0.08$ 2; $\alpha(K)(M2)=0.0044$ . However, existence of the 957 $\gamma$ has not been confirmed by other authors.
1018.0 3	0.36 4	2500.67		1481.96	1 <sup>+</sup> ,2 <sup>+</sup>				
1023.2 3	0.56 6	2229.6	(4) <sup>+</sup>	1206.25	4 <sup>+</sup>				
1055.8 3	0.37 4	1661.4		605.56	2 <sup>+</sup>				
1079.0 3	0.15 2	2229.6	(4) <sup>+</sup>	1150.66	2 <sup>+</sup>				
1097.5 3	0.34 <sup>a</sup> 3	1702.9	(4) <sup>+</sup>	605.56	2 <sup>+</sup>				
1150.6 3	3.9 <sup>a</sup> 4	1150.66	2 <sup>+</sup>	0.0	0 <sup>+</sup>	E2			

$^{118}\text{I}\beta^+$  decay (13.7 min) **1985StZU** (continued)

$\gamma(^{118}\text{Te})$  (continued)

$E_\gamma$ †	$I_\gamma$ &e	$E_i$ (level)	$J_i^\pi$	$E_f$	$J_f^\pi$	Mult. <sup>c</sup>	$\delta$	$I_{(\gamma+ce)}$ <sup>e</sup>	Comments
1171.7 3	0.34 3	2322.2		1150.66	2 <sup>+</sup>				
<sup>x</sup> 1231.2#									
1231.7 ‡ 3	<0.38	2438.0		1206.25	4 <sup>+</sup>				
1257.0 3	2.10 20	1862.92	1,2 <sup>+</sup>	605.56	2 <sup>+</sup>				
1286.3 3	0.45 <sup>a</sup> 5	1891.7	(3) <sup>+</sup>	605.56	2 <sup>+</sup>				
1325.2 ‡ 3	<0.34	2531.5		1206.25	4 <sup>+</sup>				
1338.8 3	<8.11 <sup>a</sup>	1944.34	3 <sup>-</sup>	605.56	2 <sup>+</sup>	E1+M2	+0.03 +5-7		Mult.: from $\gamma$ -linear pol ( <b>1985RiZV</b> ) and $\alpha(K)\text{exp}$ . $\delta$ : from $\gamma$ -linear pol. Other: -0.025 35 from $\gamma\gamma(\theta)$ ( <b>1985Sh04</b> ). $\alpha(K)\text{exp}$ =0.0002 1 ( <b>1985Sh04</b> ).
1350.3 3	0.75 8	2500.67		1150.66	2 <sup>+</sup>				
1364.7 ‡ 3	<0.41	2571.0		1206.25	4 <sup>+</sup>				
1370.4 3	0.94 <sup>a</sup> 9	1976.1	(4 <sup>+</sup> )	605.56	2 <sup>+</sup>				
1390.4 3	0.32 3	3253.33		1862.92	1,2 <sup>+</sup>				
1414.9 3	1.67 17	2020.4		605.56	2 <sup>+</sup>				
1460.7 3	0.75	2611.4		1150.66	2 <sup>+</sup>				
1482.0 3	0.72 7	1481.96	1 <sup>+</sup> ,2 <sup>+</sup>	0.0	0 <sup>+</sup>				
1517	0.0009 5	1517.2	0 <sup>+</sup>	0.0	0 <sup>+</sup>	E0 <sup>d</sup>		0.0009 <sup>b</sup> 5	$E_\gamma$ : <b>1987Wa17</b> deduced intensity of 1517 $\gamma$ : $I_\gamma$ =0.13 4 and $\alpha(K)\text{exp}$ =0.006 3; $\alpha(K)(M2)$ =0.0014. However, existence of the $\gamma$ has not been confirmed by other authors.
1524.0 ‡ 3	<0.25	2730.3		1206.25	4 <sup>+</sup>				
1662.6 <sup>f</sup> 3	0.27 3	2813.3?		1150.66	2 <sup>+</sup>				
1679.6 3	0.26 3	2285.2		605.56	2 <sup>+</sup>				
1747.0 3	0.21 3	2352.6		605.56	2 <sup>+</sup>				
1767.1 3	0.95 10	2372.7		605.56	2 <sup>+</sup>				
1771.8 3	0.44 4	3253.33		1481.96	1 <sup>+</sup> ,2 <sup>+</sup>				
1895.5 3	0.63 6	2500.67		605.56	2 <sup>+</sup>				
2016.7 3	0.44 4	2622.3		605.56	2 <sup>+</sup>				
2102.2 3	0.69 7	3253.33		1150.66	2 <sup>+</sup>				
2120.2 <sup>f</sup> 3	0.28 3	3602.2?		1481.96	1 <sup>+</sup> ,2 <sup>+</sup>				
2156.4 3	0.30 3	2762.0		605.56	2 <sup>+</sup>				
2246.6 3	0.69 7	2852.2		605.56	2 <sup>+</sup>				
2257.0 3	0.30 3	2862.6		605.56	2 <sup>+</sup>				
2288.1 3	0.52 5	3438.8		1150.66	2 <sup>+</sup>				
<sup>x</sup> 2327.3#									
<sup>x</sup> 2648.1@									
<sup>x</sup> 2769.3#									
<sup>x</sup> 2854.2#									
<sup>x</sup> 2932.9#									

γ(<sup>118</sup>Te) (continued)

† From 1985StZU; uncertainty of 0.3 keV was assumed (evaluator).

‡ Isomeric assignment is uncertain.

# Reported in 1985Sh16 only. No intensity was given by authors.

@ Reported in 1985Sh16 and 1985St29. No intensity was given by authors.

& From 1985StZU. Relative to I(605.6γ)=100 for the combined source, unless otherwise noted. Uncertainty of 10% was assumed (evaluator).

<sup>a</sup> From  $I_{\gamma} = I_{\gamma}(1985StZU) - I_{\gamma}(8.5 \text{ min activity})$ .

<sup>b</sup> Calculated by  $I_{ce}(E0) = icek(K)(E0)(1.12)$  for a correction L1-shell contribution. Values are relative to I(606.5γ)=100.

<sup>c</sup> From on-line nuclear orientation (1985StZU) unless otherwise noted.

<sup>d</sup> Mult confirmed by  $\alpha(K)_{exp}$  value for a spurious, hypothetical γ in corresponding energy region: the value is greater than the theoretical M2 (1987Wa17).

<sup>e</sup> For absolute intensity per 100 decays, multiply by 0.957 5.

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

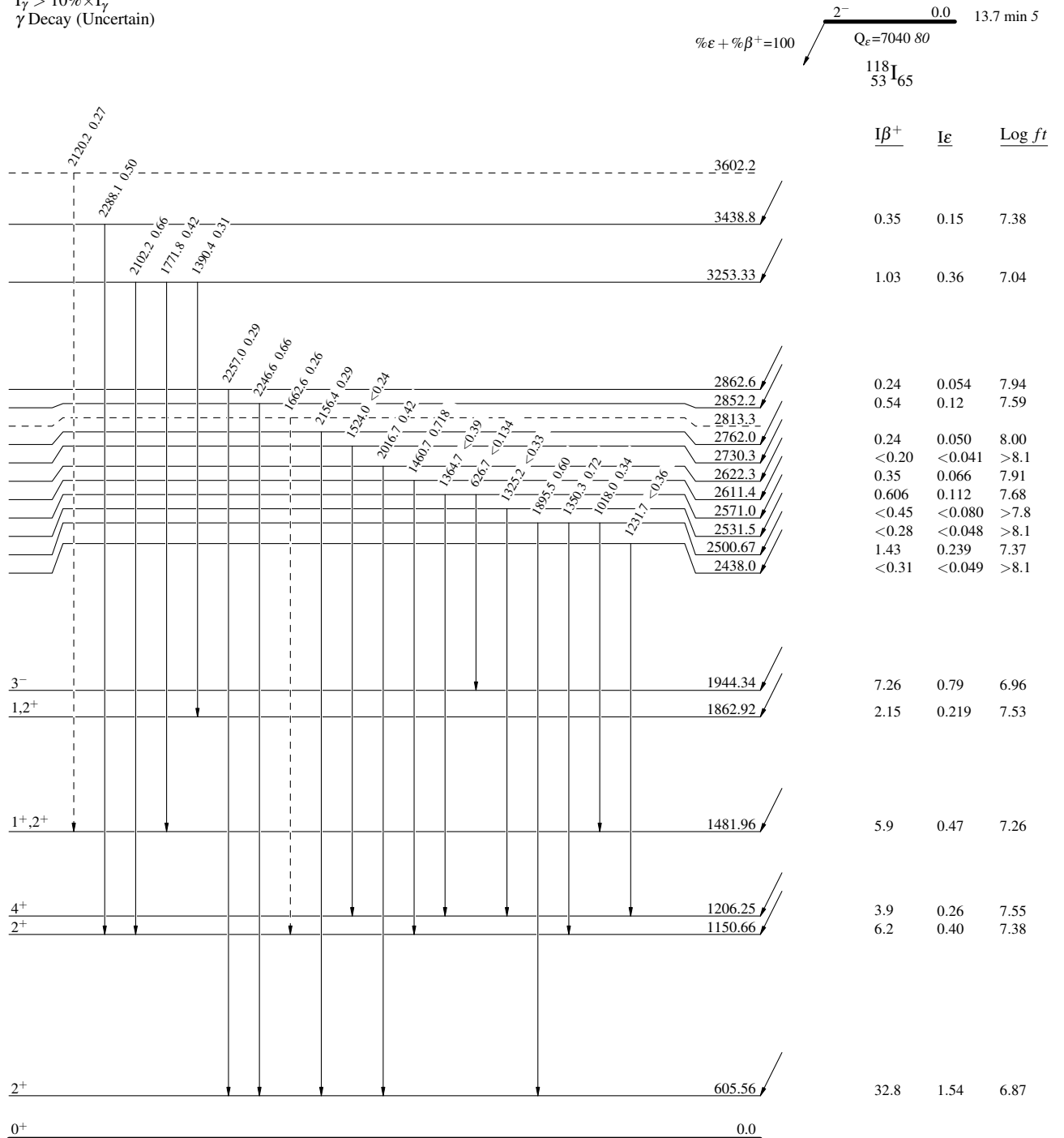
<sup>x</sup> γ ray not placed in level scheme.

$^{118}\text{I} \beta^+$  decay (13.7 min) 1985StZU

## Decay Scheme

## Legend

- $I_\gamma < 2\% \times I_\gamma^{\max}$
- $I_\gamma < 10\% \times I_\gamma^{\max}$
- $I_\gamma > 10\% \times I_\gamma^{\max}$
- - - - -  $\gamma$  Decay (Uncertain)

Intensities:  $I_{(\gamma+ce)}$  per 100 parent decays $^{118}_{52}\text{Te}_{66}$

$^{118}\text{I} \beta^+$  decay (13.7 min) 1985StZU

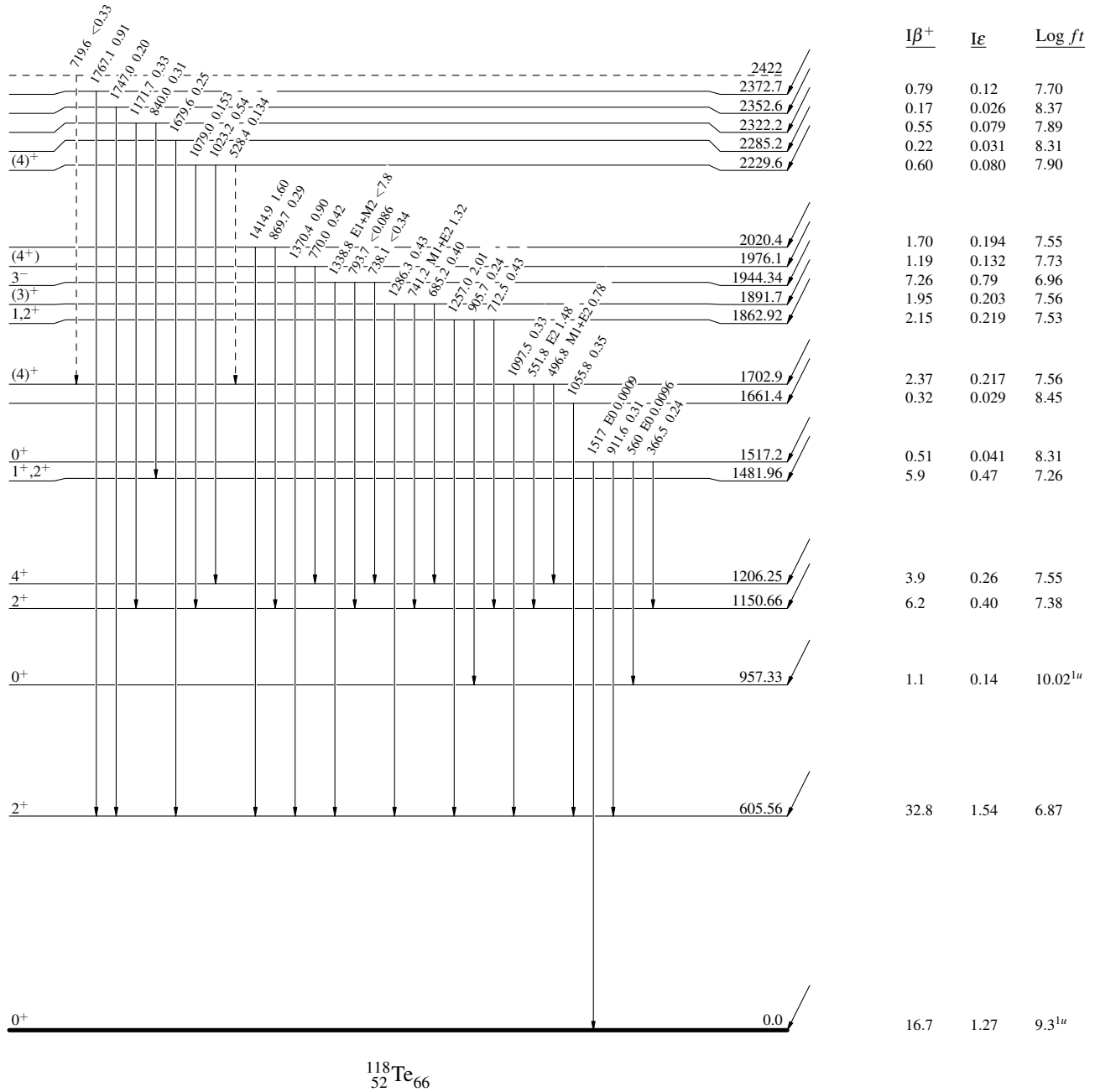
Decay Scheme (continued)

Legend

- $I_\gamma < 2\% \times I_\gamma^{\max}$
- $I_\gamma < 10\% \times I_\gamma^{\max}$
- $I_\gamma > 10\% \times I_\gamma^{\max}$
- - -  $\gamma$  Decay (Uncertain)

Intensities:  $I_{(\gamma+ce)}$  per 100 parent decays

$^{118}\text{I}_{53}^{65}$   $2^-$   $0.0$  13.7 min 5  
 $Q_\epsilon = 7040.80$   
 $\% \epsilon + \% \beta^+ = 100$



**$^{118}\text{I} \beta^+$  decay (13.7 min) 1985StZU**

**Decay Scheme (continued)**

Intensities:  $I_{(\gamma+ce)}$  per 100 parent decays

Legend

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

