

¹³³Te β⁻ decay (12.5 min) 1983Hi03

| Type | Author | History | Citation | Literature Cutoff Date |
|-----------------|--|---------|---------------------|------------------------|
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Parent: ¹³³Te: E=0.0; J^π=(3/2⁺); T_{1/2}=12.5 min 3; Q(β⁻)=2942 24; %β⁻ decay=100.0

1983Hi03: ¹³³Te β⁻ decay (12.5 min) [from ²³⁵U(n,f) products via ¹³³Sb β⁻ decay]; measured E_γ, I_γ, γγ coin.; radiochemical techniques, Compton suppressed Ge(Li) detectors; deduced levels, J^π, β⁻ decay feeding, log ft values.

Others: 1968Mc09, 1968Pa03.

¹³³I Levels

| E(level) [†] | J ^π [‡] | T _{1/2} [‡] | E(level) [†] | J ^π [‡] |
|-----------------------|---------------------------------------|-------------------------------|-----------------------|---|
| 0.0 | 7/2 ⁺ | 20.83 h 8 | 2193.60 3 | (3/2 ⁺ ,5/2) |
| 312.073 11 | (5/2 ⁺) | | 2205.30 22 | |
| 719.751 13 | (3/2 ⁺) | | 2209.77 5 | (3/2 ⁺ ,5/2 ⁺) |
| 786.922 10 | (5/2 ⁺) | | 2225.06 4 | (5/2 ⁺) |
| 912.694 20 | (11/2 ⁺) | | 2250.1 10 | |
| 914.741 18 | 9/2 ⁺ | | 2255.08 6 | (3/2 ⁺) |
| 1239.83 3 | (7/2 ⁺) | | 2266.47 9 | (3/2 ⁺) |
| 1307.187 18 | (7/2 ⁺) | | 2283.75 17 | (1/2 ⁺ ,3/2) |
| 1312.797 14 | (3/2 ⁺ ,5/2) | | 2363.78 21 | (3/2 ⁺ ,5/2) |
| 1333.228 14 | (5/2 ⁺) | | 2393.27 23 | (3/2 ⁺ ,5/2) |
| 1373.685 14 | (1/2 ⁺ ,3/2 ⁻) | | 2417.38 6 | (5/2 ⁺) |
| 1564.125 14 | (1/2 ⁺ ,3/2 ⁻) | | 2467.30 6 | (3/2 ⁺ ,5/2) |
| 1608.7? 4 | | | 2493.03 7 | (1/2 ⁺) |
| 1671.426 21 | (3/2 ⁺) | | 2525.72 10 | (3/2 ⁺ ,5/2) |
| 1717.625 9 | (5/2 ⁺) | | 2541.74 3 | (3/2 ⁺ ,5/2 ⁺) |
| 1943? | | | 2597.45 11 | (5/2 ⁺) |
| 1945.78 20 | | | 2661.0 4 | (3/2 ⁺ ,5/2 ⁺) |
| 2025.41 4 | (3/2 ⁺) | | 2768.20 6 | (1/2 ⁺ ,3/2,5/2) |
| 2034.1? 10 | | | 2808.34 11 | (1/2 ⁺ ,3/2,5/2 ⁺) |
| 2040.42 17 | (1/2 ⁺) | | 2825.31 12 | (3/2 ⁺ ,5/2) |
| 2053.50 4 | (3/2 ⁺) | | 2866.29 7 | (1/2 ⁺ ,3/2,5/2 ⁺) |
| 2136.38 3 | (5/2 ⁺) | | 2935.83 15 | (1/2 ⁺ ,3/2,5/2 ⁺) |

[†] From a least-squares fit to E_γ.

[‡] From Adopted Levels.

β⁻ radiations

| E(decay) | E(level) | Iβ ^{-†‡} | Log ft | Comments |
|----------|----------|-------------------|---------|----------------|
| (6 24) | 2935.83 | 0.129 23 | | av Eβ=1.5 61 |
| (76 24) | 2866.29 | 0.47 5 | 3.0 5 | av Eβ=19.6 66 |
| (117 24) | 2825.31 | 0.26 4 | 3.9 4 | av Eβ=30.8 68 |
| (134 24) | 2808.34 | 0.42 8 | 3.8 3 | av Eβ=35.6 69 |
| (174 24) | 2768.20 | 1.06 12 | 3.80 21 | av Eβ=47.1 71 |
| (281 24) | 2661.0 | 0.18 5 | 5.24 18 | av Eβ=79.8 77 |
| (345 24) | 2597.45 | 0.18 5 | 5.53 16 | av Eβ=100.2 80 |
| (400 24) | 2541.74 | 2.17 14 | 4.66 10 | av Eβ=118.8 82 |
| (416 24) | 2525.72 | 0.63 7 | 5.25 10 | av Eβ=124.2 83 |
| (449 24) | 2493.03 | 0.36 9 | 5.61 14 | av Eβ=135.5 84 |
| (475 24) | 2467.30 | 0.61 8 | 5.46 10 | av Eβ=144.5 85 |
| (525 24) | 2417.38 | 0.56 10 | 5.64 11 | av Eβ=162.1 87 |
| (549 24) | 2393.27 | 0.11 3 | 6.42 14 | av Eβ=170.8 88 |

Continued on next page (footnotes at end of table)

^{133}Te β^{-} decay (12.5 min) **1983Hi03** (continued) β^{-} radiations (continued)

| E(decay) | E(level) | $I\beta^{-}\dagger\ddagger$ | Log ft | Comments |
|----------------------|----------|-----------------------------|----------|----------------------|
| (578 24) | 2363.78 | 0.14 5 | 6.39 17 | av $E\beta=181.5$ 89 |
| (658 24) | 2283.75 | 0.26 8 | 6.32 15 | av $E\beta=211.2$ 91 |
| (676 24) | 2266.47 | 0.46 8 | 6.11 10 | av $E\beta=217.7$ 91 |
| (687 24) | 2255.08 | 1.25 12 | 5.70 7 | av $E\beta=222.0$ 92 |
| (692 24) | 2250.1 | 0.031 19 | 7.3 3 | av $E\beta=223.9$ 92 |
| (717 24) | 2225.06 | 1.02 10 | 5.86 7 | av $E\beta=233.5$ 93 |
| (732 24) | 2209.77 | 1.33 10 | 5.77 7 | av $E\beta=239.3$ 93 |
| (737 24) | 2205.30 | 0.056 19 | 7.16 16 | av $E\beta=241.0$ 93 |
| (748 24) | 2193.60 | 2.27 9 | 5.57 6 | av $E\beta=245.6$ 93 |
| (806 24) | 2136.38 | 2.38 12 | 5.67 6 | av $E\beta=267.8$ 95 |
| (889 24) | 2053.50 | 1.08 12 | 6.16 7 | av $E\beta=300.6$ 97 |
| (902 24) | 2040.42 | 0.34 9 | 6.69 13 | av $E\beta=305.8$ 97 |
| (908 24) | 2034.1? | 0.08 4 | 7.33 23 | av $E\beta=308.4$ 97 |
| (917 24) | 2025.41 | 1.39 19 | 6.10 8 | av $E\beta=311.9$ 97 |
| (996 24) | 1945.78 | 0.075 19 | 7.50 12 | av $E\beta=344.1$ 99 |
| (1224 24) | 1717.625 | 10.41 23 | 5.70 4 | av $E\beta=439$ 11 |
| (1271 24) | 1671.426 | 1.33 12 | 6.65 6 | av $E\beta=459$ 11 |
| (1378 24) | 1564.125 | 3.54 20 | 6.36 4 | av $E\beta=505$ 11 |
| (1568 24) | 1373.685 | 1.15 18 | 7.06 8 | av $E\beta=587$ 11 |
| (1609 24) | 1333.228 | 13.0 3 | 6.05 3 | av $E\beta=605$ 11 |
| (1629 24) | 1312.797 | 3.29 17 | 6.67 4 | av $E\beta=614$ 11 |
| (2155 24) | 786.922 | <0.2 | >8.4 | av $E\beta=850$ 11 |
| (2222 24) | 719.751 | 28.2 8 | 6.28 3 | av $E\beta=880$ 11 |
| 2.65×10^3 10 | 312.073 | 20.3 5 | 6.721 23 | av $E\beta=1067$ 11 |

E(decay): From [1968Mc09](#). Other: $E\beta^{-}=3210$ 100 in [1968Pa03](#). \dagger From intensity balances and the established level scheme. \ddagger Absolute intensity per 100 decays.

¹³³Te β⁻ decay (12.5 min) 1983Hi03 (continued)

γ(¹³³I)

I_γ normalization: From decay scheme (Σ Ti(g.s.)=100), by assuming no direct β⁻ feeding to g.s. Other: 0.068 3 from I(312.07γ)=70% 3 (1984Br31).

| E _γ [‡] | I _γ ^{‡&} | E _i (level) | J _i ^π | E _f | J _f ^π | Mult. | α [‡] | Comments |
|-----------------------------|----------------------------------|------------------------|---|----------------|---------------------------------------|---------|----------------|---|
| 67.2 [#] 5 | 1.7 5 | 786.922 | (5/2 ⁺) | 719.751 | (3/2 ⁺) | [M1+E2] | 4.8 25 | α(K)=3.0 10; α(L)=1.5 12; α(M)=0.3 3; α(N+..)=0.07 6 α(N)=0.06 5; α(O)=0.006 5 |
| 170.91 13 | 1.5 5 | 2768.20 | (1/2 ⁺ ,3/2,5/2) | 2597.45 | (5/2 ⁺) | | | |
| 183.3 4 | 0.3 2 | 2393.27 | (3/2 ⁺ ,5/2) | 2209.77 | (3/2 ⁺ ,5/2 ⁺) | | | |
| 190.5 1 | 0.9 4 | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | 1373.685 | (1/2 ⁺ ,3/2 ⁻) | [M1] | 0.1246 | α(K)=0.1074 16; α(L)=0.01386 20; α(M)=0.00279 4; α(N+..)=0.000631 9 α(N)=0.000565 8; α(O)=6.63×10 ⁻⁵ 10 |
| 199.6 3 | 0.6 2 | 2225.06 | (5/2 ⁺) | 2025.41 | (3/2 ⁺) | [M1+E2] | 0.133 24 | α(K)=0.110 16; α(L)=0.019 7; α(M)=0.0038 14; α(N+..)=0.0008 3 α(N)=0.0008 3; α(O)=8.2×10 ⁻⁵ 24 |
| 207.4 1 | 0.4 2 | 2417.38 | (5/2 ⁺) | 2209.77 | (3/2 ⁺ ,5/2 ⁺) | | | |
| 230.9 2 | 0.3 1 | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | 1333.228 | (5/2 ⁺) | | | |
| 242.0 1 | 0.5 2 | 2467.30 | (3/2 ⁺ ,5/2) | 2225.06 | (5/2 ⁺) | | | |
| 251.4 3 | 0.5 2 | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 302 1 | 0.5 3 | 2768.20 | (1/2 ⁺ ,3/2,5/2) | 2467.30 | (3/2 ⁺ ,5/2) | | | |
| 312.08 3 | 1000 | 312.073 | (5/2 ⁺) | 0.0 | 7/2 ⁺ | [M1+E2] | 0.0345 10 | α(K)=0.0292 5; α(L)=0.0043 6; α(M)=0.00086 13; α(N+..)=0.000192 25 α(N)=0.000173 23; α(O)=1.94×10 ⁻⁵ 17 |
| 324.3 2 | 0.8 2 | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | 1239.83 | (7/2 ⁺) | | | |
| 331.5 2 | 1.9 7 | 2541.74 | (3/2 ⁺ ,5/2 ⁺) | 2209.77 | (3/2 ⁺ ,5/2 ⁺) | | | |
| 338.22 2 | 4.3 2 | 1671.426 | (3/2 ⁺) | 1333.228 | (5/2 ⁺) | [M1] | 0.0274 | α(K)=0.0236 4; α(L)=0.00300 5; α(M)=0.000603 9; α(N+..)=0.0001364 20 α(N)=0.0001221 17; α(O)=1.436×10 ⁻⁵ 21 |
| 341 1 | 0.5 2 | 2808.34 | (1/2 ⁺ ,3/2,5/2 ⁺) | 2467.30 | (3/2 ⁺ ,5/2) | | | |
| 343.9 1 | 1.0 4 | 1717.625 | (5/2 ⁺) | 1373.685 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 358.7 2 | 1.4 2 | 1671.426 | (3/2 ⁺) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 368.9 2 | 1.5 7 | 2040.42 | (1/2 ⁺) | 1671.426 | (3/2 ⁺) | [M1] | 0.0219 | α(K)=0.0189 3; α(L)=0.00240 4; α(M)=0.000481 7; α(N+..)=0.0001090 16 α(N)=9.75×10 ⁻⁵ 14; α(O)=1.147×10 ⁻⁵ 17 |
| 384.25 5 | 4.4 5 | 1717.625 | (5/2 ⁺) | 1333.228 | (5/2 ⁺) | [M1+E2] | 0.0191 7 | α(K)=0.0163 9; α(L)=0.00227 12; α(M)=0.00046 3; α(N+..)=0.000103 5 α(N)=9.2×10 ⁻⁵ 5; α(O)=1.046×10 ⁻⁵ 19 |
| 392.44 3 | 4.0 4 | 1307.187 | (7/2 ⁺) | 914.741 | 9/2 ⁺ | [M1] | 0.0187 | α(K)=0.01620 23; α(L)=0.00204 3; α(M)=0.000411 6; α(N+..)=9.30×10 ⁻⁵ 13 α(N)=8.32×10 ⁻⁵ 12; α(O)=9.79×10 ⁻⁶ 14 |
| 394 1 | 0.5 2 | 1307.187 | (7/2 ⁺) | 912.694 | (11/2 ⁺) | [E2] | 0.0171 3 | α(K)=0.01441 23; α(L)=0.00219 4; α(M)=0.000445 8; α(N+..)=9.85×10 ⁻⁵ 16 α(N)=8.87×10 ⁻⁵ 15; α(O)=9.77×10 ⁻⁶ 16 |

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¹³³Te β⁻ decay (12.5 min) **1983Hi03** (continued)

γ(¹³³I) (continued)

| <u>E_γ[‡]</u> | <u>I_γ^{‡&}</u> | <u>E_i(level)</u> | <u>J_i^π</u> | <u>E_f</u> | <u>J_f^π</u> | <u>Mult.</u> | <u>α[†]</u> | <u>Comments</u> |
|----------------------------------|---------------------------------------|-----------------------------|---------------------------------------|----------------------|---------------------------------------|--------------|----------------------|---|
| 404.85 7 | 4.2 9 | 1717.625 | (5/2 ⁺) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 407.63 3 | 434 5 | 719.751 | (3/2 ⁺) | 312.073 | (5/2 ⁺) | [M1] | 0.01703 | α(K)=0.01472 21; α(L)=0.00186 3; α(M)=0.000373 6; α(N+..)=8.44×10 ⁻⁵ 12 α(N)=7.55×10 ⁻⁵ 11; α(O)=8.89×10 ⁻⁶ 13 E _γ : 407.58 4 measured by bent-crystal spectrometer (1979Bo26). |
| 410.40 6 | 15 1 | 1717.625 | (5/2 ⁺) | 1307.187 | (7/2 ⁺) | [M1] | 0.01675 | α(K)=0.01447 21; α(L)=0.00182 3; α(M)=0.000366 6; α(N+..)=8.30×10 ⁻⁵ 12 α(N)=7.42×10 ⁻⁵ 11; α(O)=8.74×10 ⁻⁶ 13 |
| 418.4 2 | 0.4 1 | 1333.228 | (5/2 ⁺) | 914.741 | 9/2 ⁺ | [E2] | 0.01432 | α(K)=0.01207 17; α(L)=0.00180 3; α(M)=0.000366 6; α(N+..)=8.11×10 ⁻⁵ 12 α(N)=7.30×10 ⁻⁵ 11; α(O)=8.08×10 ⁻⁶ 12 |
| 431.61 13 | 2.0 5 | 1671.426 | (3/2 ⁺) | 1239.83 | (7/2 ⁺) | | | |
| 452.9 1 | 2 1 | 1239.83 | (7/2 ⁺) | 786.922 | (5/2 ⁺) | | | |
| 461.30 4 | 10 2 | 2025.41 | (3/2 ⁺) | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 474.85 1 | 14.1 5 | 786.922 | (5/2 ⁺) | 312.073 | (5/2 ⁺) | [M1+E2] | 0.0108 9 | α(K)=0.0092 9; α(L)=0.00124 3; α(M)=0.000249 6; α(N+..)=5.60×10 ⁻⁵ 16 α(N)=5.02×10 ⁻⁵ 13; α(O)=5.8×10 ⁻⁶ 3 |
| 477.77 6 | 6.1 5 | 1717.625 | (5/2 ⁺) | 1239.83 | (7/2 ⁺) | | | |
| 484.5 [#] 5 | 0.9 4 | 2768.20 | (1/2 ⁺ ,3/2,5/2) | 2283.75 | (1/2 ⁺ ,3/2) | | | |
| ^x 485.0 2 | 9.0 4 | | | | | | | |
| 488 2 | 1.4 5 | 2541.74 | (3/2 ⁺ ,5/2 ⁺) | 2053.50 | (3/2 ⁺) | | | |
| 507.3 1 | 2.2 3 | 2225.06 | (5/2 ⁺) | 1717.625 | (5/2 ⁺) | [M1+E2] | 0.0091 9 | α=0.0091 9; α(K)=0.0078 8; α(L)=0.00103 5; α(M)=0.000208 8; α(N+..)=4.67×10 ⁻⁵ 21 α(N)=4.19×10 ⁻⁵ 18; α(O)=4.8×10 ⁻⁶ 4 |
| 520.10 10 | 0.7 2 | 1239.83 | (7/2 ⁺) | 719.751 | (3/2 ⁺) | | | |
| 520.4 2 | 0.3 2 | 1307.187 | (7/2 ⁺) | 786.922 | (5/2 ⁺) | [M1] | 0.00928 13 | α=0.00928 13; α(K)=0.00803 12; α(L)=0.001004 14; α(M)=0.000201 3; α(N+..)=4.56×10 ⁻⁵ 7 α(N)=4.08×10 ⁻⁵ 6; α(O)=4.81×10 ⁻⁶ 7 |
| 525.84 3 | 3.7 4 | 1312.797 | (3/2 ⁺ ,5/2) | 786.922 | (5/2 ⁺) | | | |
| 543.5 5 | 2 1 | 2768.20 | (1/2 ⁺ ,3/2,5/2) | 2225.06 | (5/2 ⁺) | | | |
| 546.29 3 | 8.2 5 | 1333.228 | (5/2 ⁺) | 786.922 | (5/2 ⁺) | [M1+E2] | 0.0075 8 | α=0.0075 8; α(K)=0.0064 8; α(L)=0.00084 5; α(M)=0.000170 9; α(N+..)=3.82×10 ⁻⁵ 23 α(N)=3.43×10 ⁻⁵ 20; α(O)=4.0×10 ⁻⁶ 4 |
| 553.7 2 | 1.0 4 | 2225.06 | (5/2 ⁺) | 1671.426 | (3/2 ⁺) | [M1] | 0.00798 12 | α=0.00798 12; α(K)=0.00690 10; α(L)=0.000861 12; α(M)=0.0001727 25; α(N+..)=3.91×10 ⁻⁵ α(N)=3.50×10 ⁻⁵ 5; α(O)=4.13×10 ⁻⁶ 6 |
| ^x 569.6 8 | 0.9 2 | | | | | | | |
| 572 1 | 0.4 2 | 2597.45 | (5/2 ⁺) | 2025.41 | (3/2 ⁺) | [M1] | 0.00737 11 | α=0.00737 11; α(K)=0.00638 10; α(L)=0.000795 12; α(M)=0.0001594 24; α(N+..)=3.61×10 ⁻⁵ α(N)=3.23×10 ⁻⁵ 5; α(O)=3.81×10 ⁻⁶ 6 |
| 586.71 4 | 9.9 3 | 1373.685 | (1/2 ⁺ ,3/2 ⁻) | 786.922 | (5/2 ⁺) | | | |

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¹³³Te β⁻ decay (12.5 min) **1983Hi03** (continued)

γ(¹³³I) (continued)

| <u>E_γ[‡]</u> | <u>I_γ^{‡&}</u> | <u>E_i(level)</u> | <u>J_i^π</u> | <u>E_f</u> | <u>J_f^π</u> | <u>Mult.</u> | <u>α[†]</u> | <u>Comments</u> |
|----------------------------------|---------------------------------------|-----------------------------|---------------------------------------|----------------------|---------------------------------------|--------------|----------------------|---|
| 587.6 4 | 1.6 3 | 1307.187 | (7/2 ⁺) | 719.751 | (3/2 ⁺) | [E2] | 0.00551 8 | α=0.00551 8; α(K)=0.00471 7; α(L)=0.000647 10; α(M)=0.0001308 19; α(N+..)=2.92×10 ⁻⁵ 5 α(N)=2.63×10 ⁻⁵ 4; α(O)=2.98×10 ⁻⁶ 5 |
| 593.0 2 | 2.8 5 | 1312.797 | (3/2 ⁺ ,5/2) | 719.751 | (3/2 ⁺) | | | |
| 613.52 @ 3 | 5.1 6 | 1333.228 | (5/2 ⁺) | 719.751 | (3/2 ⁺) | [M1] | 0.00622 9 | α=0.00622 9; α(K)=0.00539 8; α(L)=0.000670 10; α(M)=0.0001343 19; α(N+..)=3.04×10 ⁻⁵ 5 α(N)=2.72×10 ⁻⁵ 4; α(O)=3.21×10 ⁻⁶ 5 E _γ : poor fit; the level energy difference is equal to 613.423 22 keV. |
| 620 1 | 0.5 2 | 2661.0 | (3/2 ⁺ ,5/2 ⁺) | 2040.42 | (1/2 ⁺) | | | |
| ^x 635.8 2 | 1.1 4 | | | | | | | |
| 645.6 1 | 6.3 7 | 2209.77 | (3/2 ⁺ ,5/2 ⁺) | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 653.98 8 | 5.0 6 | 1373.685 | (1/2 ⁺ ,3/2 ⁻) | 719.751 | (3/2 ⁺) | | | |
| 667 1 | 3 1 | 2040.42 | (1/2 ⁺) | 1373.685 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 679.8 7 | 1.0 5 | 2053.50 | (3/2 ⁺) | 1373.685 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 690.8 1 | 2.2 5 | 2255.08 | (3/2 ⁺) | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | | | |
| ^x 696 1 | 1.3 7 | | | | | | | |
| 702 1 | 0.7 4 | 2266.47 | (3/2 ⁺) | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 712.6 5 | 3 1 | 2025.41 | (3/2 ⁺) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 717.8 2 | 1.8 8 | 2025.41 | (3/2 ⁺) | 1307.187 | (7/2 ⁺) | [E2] | 0.00331 5 | α=0.00331 5; α(K)=0.00284 4; α(L)=0.000376 6; α(M)=7.59×10 ⁻⁵ 11; α(N+..)=1.702×10 ⁻⁵ 24 α(N)=1.527×10 ⁻⁵ 22; α(O)=1.752×10 ⁻⁶ 25 |
| 719.6 # 5 | ≤1 | 2283.75 | (1/2 ⁺ ,3/2) | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 719.71 @ 2 | 142 8 | 719.751 | (3/2 ⁺) | 0.0 | 7/2 ⁺ | [E2] | 0.00329 5 | α=0.00329 5; α(K)=0.00282 4; α(L)=0.000374 6; α(M)=7.53×10 ⁻⁵ 11; α(N+..)=1.690×10 ⁻⁵ 24 α(N)=1.516×10 ⁻⁵ 22; α(O)=1.740×10 ⁻⁶ 25 E _γ : poor fit; the level energy difference is equal to 719.797 19 keV. |
| 720.3 5 | 2 1 | 2053.50 | (3/2 ⁺) | 1333.228 | (5/2 ⁺) | [M1] | 0.00424 6 | α=0.00424 6; α(K)=0.00367 6; α(L)=0.000454 7; α(M)=9.11×10 ⁻⁵ 13; α(N+..)=2.06×10 ⁻⁵ 3 α(N)=1.85×10 ⁻⁵ 3; α(O)=2.18×10 ⁻⁶ 3 |
| 722 1 | 0.3 2 | 2393.27 | (3/2 ⁺ ,5/2) | 1671.426 | (3/2 ⁺) | | | |
| 727 1 | 0.7 5 | 2040.42 | (1/2 ⁺) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 740.8 2 | 3.0 7 | 2053.50 | (3/2 ⁺) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 743.0 2 | 5 1 | 2768.20 | (1/2 ⁺ ,3/2,5/2) | 2025.41 | (3/2 ⁺) | | | |
| 745.8 2 | 1.8 5 | 2053.50 | (3/2 ⁺) | 1307.187 | (7/2 ⁺) | [E2] | 0.00301 5 | α=0.00301 5; α(K)=0.00259 4; α(L)=0.000341 5; α(M)=6.87×10 ⁻⁵ 10; α(N+..)=1.542×10 ⁻⁵ 22 α(N)=1.383×10 ⁻⁵ 20; α(O)=1.590×10 ⁻⁶ 23 |
| 762.8 2 | 2.0 5 | 2136.38 | (5/2 ⁺) | 1373.685 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 778.0 3 | 3.2 9 | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | 786.922 | (5/2 ⁺) | | | |
| 786.93 2 | 86.5 15 | 786.922 | (5/2 ⁺) | 0.0 | 7/2 ⁺ | [M1+E2] | 0.0030 4 | α=0.0030 4; α(K)=0.0026 4; α(L)=0.00033 4; |

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¹³³Te β⁻ decay (12.5 min) **1983Hi03** (continued)

| <u>γ(¹³³I) (continued)</u> | | | | | | | | |
|---------------------------------------|---------------------------------------|-----------------------------|---------------------------------------|----------------------|---------------------------------------|--------------|----------------------|--|
| <u>E_γ[‡]</u> | <u>I_γ^{‡&}</u> | <u>E_i(level)</u> | <u>J_i^π</u> | <u>E_f</u> | <u>J_f^π</u> | <u>Mult.</u> | <u>α[†]</u> | <u>Comments</u> |
| 802.9 3 | 1.0 3 | 1717.625 | (5/2 ⁺) | 914.741 | 9/2 ⁺ | [E2] | 0.00252 4 | α(M)=6.7×10 ⁻⁵ 7; α(N+..)=1.51×10 ⁻⁵ 17 α(N)=1.35×10 ⁻⁵ 15; α(O)=1.58×10 ⁻⁶ 19 α=0.00252 4; α(K)=0.00217 3; α(L)=0.000283 4; α(M)=5.70×10 ⁻⁵ 8; α(N+..)=1.280×10 ⁻⁵ 18 α(N)=1.148×10 ⁻⁵ 17; α(O)=1.324×10 ⁻⁶ 19 |
| 803.3 3 | 2.1 3 | 2136.38 | (5/2 ⁺) | 1333.228 | (5/2 ⁺) | [M1+E2] | 0.0029 4 | α=0.0029 4; α(K)=0.0025 4; α(L)=0.00032 4; α(M)=6.4×10 ⁻⁵ 7; α(N+..)=1.44×10 ⁻⁵ 16 α(N)=1.29×10 ⁻⁵ 14; α(O)=1.50×10 ⁻⁶ 19 |
| 813.4 2 | 2.0 5 | 2053.50 | (3/2 ⁺) | 1239.83 | (7/2 ⁺) | | | |
| 823.9 5 | 1.3 4 | 2136.38 | (5/2 ⁺) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 829.2 3 | 1.5 4 | 2136.38 | (5/2 ⁺) | 1307.187 | (7/2 ⁺) | [M1] | 0.00305 5 | α=0.00305 5; α(K)=0.00264 4; α(L)=0.000325 5; α(M)=6.52×10 ⁻⁵ 10; α(N+..)=1.478×10 ⁻⁵ 21 α(N)=1.322×10 ⁻⁵ 19; α(O)=1.562×10 ⁻⁶ 22 |
| 844.36 1 | 53 1 | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | 719.751 | (3/2 ⁺) | | | |
| 851.37 7 | 5.0 6 | 2225.06 | (5/2 ⁺) | 1373.685 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 854.2 9 | 1.0 5 | 2525.72 | (3/2 ⁺ ,5/2) | 1671.426 | (3/2 ⁺) | | | |
| 860.2 7 | 1.0 5 | 2193.60 | (3/2 ⁺ ,5/2) | 1333.228 | (5/2 ⁺) | | | |
| 880.7 1 | 1.0 5 | 2193.60 | (3/2 ⁺ ,5/2) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 884.3 [@] 5 | 11.6 9 | 1671.426 | (3/2 ⁺) | 786.922 | (5/2 ⁺) | [M1] | 0.00262 4 | α=0.00262 4; α(K)=0.00228 4; α(L)=0.000280 4; α(M)=5.60×10 ⁻⁵ 8; α(N+..)=1.271×10 ⁻⁵ 18 α(N)=1.136×10 ⁻⁵ 16; α(O)=1.343×10 ⁻⁶ 19 E _γ : 884.29 3 keV in 1983Hi03 . |
| 886.0 4 | 0.7 4 | 2193.60 | (3/2 ⁺ ,5/2) | 1307.187 | (7/2 ⁺) | | | |
| 888.9 ^b 4 | 0.5 4 | 1608.7? | | 719.751 | (3/2 ⁺) | | | |
| 896.7 2 | 0.8 2 | 2136.38 | (5/2 ⁺) | 1239.83 | (7/2 ⁺) | | | |
| 902.5 1 | 3.0 5 | 2209.77 | (3/2 ⁺ ,5/2 ⁺) | 1307.187 | (7/2 ⁺) | | | |
| 910.0 7 | 2 1 | 2283.75 | (1/2 ⁺ ,3/2) | 1373.685 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 912.3 6 | 1.0 3 | 2225.06 | (5/2 ⁺) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 912.69 2 | 1.0 6 | 912.694 | (11/2 ⁺) | 0.0 | 7/2 ⁺ | [E2] | 0.00188 3 | α=0.00188 3; α(K)=0.001619 23; α(L)=0.000207 3; α(M)=4.17×10 ⁻⁵ 6; α(N+..)=9.39×10 ⁻⁶ 14 α(N)=8.41×10 ⁻⁶ 12; α(O)=9.75×10 ⁻⁷ 14 |
| 914.74 2 | 11 1 | 914.741 | 9/2 ⁺ | 0.0 | 7/2 ⁺ | | | |
| 922 1 | 2 1 | 2255.08 | (3/2 ⁺) | 1333.228 | (5/2 ⁺) | [M1] | 0.00238 4 | α=0.00238 4; α(K)=0.00207 3; α(L)=0.000254 4; α(M)=5.08×10 ⁻⁵ 8; α(N+..)=1.153×10 ⁻⁵ 17 α(N)=1.031×10 ⁻⁵ 15; α(O)=1.219×10 ⁻⁶ 18 |
| ^x 926 1 | 3 1 | | | | | | | |
| 927.75 3 | 8 1 | 1239.83 | (7/2 ⁺) | 312.073 | (5/2 ⁺) | | | |
| 928 1 | 2 1 | 2493.03 | (1/2 ⁺) | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | [M1+E2] | 0.0021 3 | α=0.0021 3; α(K)=0.00180 24; α(L)=0.00022 3; α(M)=4.5×10 ⁻⁵ 5; α(N+..)=1.02×10 ⁻⁵ 12 α(N)=9.1×10 ⁻⁶ 11; α(O)=1.07×10 ⁻⁶ 14 |
| 930.71 1 | 61 2 | 1717.625 | (5/2 ⁺) | 786.922 | (5/2 ⁺) | [M1+E2] | 0.0021 3 | α=0.0021 3; α(K)=0.00179 24; α(L)=0.00022 3; α(M)=4.5×10 ⁻⁵ 5; |

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¹³³Te β⁻ decay (12.5 min) 1983Hi03 (continued)

γ(¹³³I) (continued)

| <u>E_γ[‡]</u> | <u>I_γ^{‡&}</u> | <u>E_i(level)</u> | <u>J_i^π</u> | <u>E_f</u> | <u>J_f^π</u> | <u>Mult.</u> | <u>α[†]</u> | <u>Comments</u> |
|----------------------------------|---------------------------------------|-----------------------------|---|----------------------|---------------------------------------|--------------|----------------------|---|
| 934 1 | 2 1 | 2266.47 | (3/2 ⁺) | 1333.228 | (5/2 ⁺) | [M1] | 0.00231 4 | α(N+..)=1.01×10 ⁻⁵ 12 α(N)=9.1×10 ⁻⁶ 11; α(O)=1.06×10 ⁻⁶ 14 α=0.00231 4; α(K)=0.00201 3; α(L)=0.000246 4; α(M)=4.93×10 ⁻⁵ 7; α(N+..)=1.119×10 ⁻⁵ 16 α(N)=1.000×10 ⁻⁵ 15; α(O)=1.183×10 ⁻⁶ 17 |
| 942.2 2 | 5 1 | 2255.08 | (3/2 ⁺) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 943 1 | 1.0 7 | 2661.0 | (3/2 ⁺ ,5/2 ⁺) | 1717.625 | (5/2 ⁺) | | | |
| 951.51 7 | 3.6 6 | 1671.426 | (3/2 ⁺) | 719.751 | (3/2 ⁺) | [M1+E2] | 0.0020 3 | α=0.0020 3; α(K)=0.00170 23; α(L)=0.000212 24; α(M)=4.3×10 ⁻⁵ 5; α(N+..)=9.6×10 ⁻⁶ 11 α(N)=8.6×10 ⁻⁶ 10; α(O)=1.01×10 ⁻⁶ 13 |
| 971 1 | 0.8 5 | 2283.75 | (1/2 ⁺ ,3/2) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 978 1 | 2 1 | 2541.74 | (3/2 ⁺ ,5/2 ⁺) | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 995.09 2 | 11.1 8 | 1307.187 | (7/2 ⁺) | 312.073 | (5/2 ⁺) | [M1] | 0.00200 3 | α=0.00200 3; α(K)=0.001737 25; α(L)=0.000213 3; α(M)=4.26×10 ⁻⁵ 6; α(N+..)=9.66×10 ⁻⁶ 14 α(N)=8.64×10 ⁻⁶ 12; α(O)=1.022×10 ⁻⁶ 15 |
| 997.7 [@] 5 | 16.6 8 | 1717.625 | (5/2 ⁺) | 719.751 | (3/2 ⁺) | [M1] | 0.00199 3 | α=0.00199 3; α(K)=0.001726 25; α(L)=0.000211 3; α(M)=4.23×10 ⁻⁵ 6; α(N+..)=9.60×10 ⁻⁶ 14 α(N)=8.59×10 ⁻⁶ 12; α(O)=1.015×10 ⁻⁶ 15 E _γ : 997.66 1 keV in 1983Hi03. |
| 1000.72 1 | 58 1 | 1312.797 | (3/2 ⁺ ,5/2) | 312.073 | (5/2 ⁺) | | | |
| 1015.3 3 | 2.0 7 | 2255.08 | (3/2 ⁺) | 1239.83 | (7/2 ⁺) | | | |
| 1021.13 8 | 45 1 | 1333.228 | (5/2 ⁺) | 312.073 | (5/2 ⁺) | [M1+E2] | 0.00168 22 | α=0.00168 22; α(K)=0.00145 19; α(L)=0.000180 21; α(M)=3.6×10 ⁻⁵ 4; α(N+..)=8.2×10 ⁻⁶ 10 α(N)=7.3×10 ⁻⁶ 9; α(O)=8.6×10 ⁻⁷ 11 |
| 1026.8 2 | 0.9 3 | 2266.47 | (3/2 ⁺) | 1239.83 | (7/2 ⁺) | | | |
| 1051.1 3 | 0.8 3 | 2363.78 | (3/2 ⁺ ,5/2) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 1061.61 1 | 19 2 | 1373.685 | (1/2 ⁺ ,3/2 ⁻) | 312.073 | (5/2 ⁺) | | | |
| 1109.9 2 | 2 1 | 2417.38 | (5/2 ⁺) | 1307.187 | (7/2 ⁺) | [M1] | 0.001564 22 | α=0.001564 22; α(K)=0.001357 19; α(L)=0.0001657 24; α(M)=3.32×10 ⁻⁵ 5; α(N+..)=8.08×10 ⁻⁶ α(N)=6.73×10 ⁻⁶ 10; α(O)=7.96×10 ⁻⁷ 12; α(IPF)=5.60×10 ⁻⁷ 9 |
| 1123.9 3 | 1.0 7 | 2363.78 | (3/2 ⁺ ,5/2) | 1239.83 | (7/2 ⁺) | | | |
| 1137 1 | 2 1 | 2808.34 | (1/2 ⁺ ,3/2,5/2 ⁺) | 1671.426 | (3/2 ⁺) | | | |
| 1156.3 ^b 3 | 1.1 4 | 1943? | | 786.922 | (5/2 ⁺) | | | |
| 1208.5 3 | 2.6 6 | 2541.74 | (3/2 ⁺ ,5/2 ⁺) | 1333.228 | (5/2 ⁺) | | | |
| 1221.7 3 | 0.3 1 | 2136.38 | (5/2 ⁺) | 914.741 | 9/2 ⁺ | [E2] | 0.001010 15 | α=0.001010 15; α(K)=0.000867 13; α(L)=0.0001078 15; α(M)=2.16×10 ⁻⁵ 3; α(N+..)=1.429×10 ⁻⁵ α(N)=4.37×10 ⁻⁶ 7; α(O)=5.11×10 ⁻⁷ 8; α(IPF)=9.41×10 ⁻⁶ 14 |
| 1224 1 | 0.10 5 | 2597.45 | (5/2 ⁺) | 1373.685 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 1227.7 4 | 1.8 3 | 2467.30 | (3/2 ⁺ ,5/2) | 1239.83 | (7/2 ⁺) | | | |

¹³³Te β⁻ decay (12.5 min) **1983Hi03** (continued)

γ(¹³³I) (continued)

| <u>E_γ[‡]</u> | <u>I_γ^{‡&}</u> | <u>E_i(level)</u> | <u>J_i^π</u> | <u>E_f</u> | <u>J_f^π</u> | <u>Mult.</u> | <u>α[†]</u> | <u>Comments</u> |
|----------------------------------|---------------------------------------|-----------------------------|---|----------------------|---------------------------------------|--------------|----------------------|---|
| 1238.5 5 | 2 1 | 2025.41 | (3/2 ⁺) | 786.922 | (5/2 ⁺) | [M1] | 0.001235 18 | α=0.001235 18; α(K)=0.001063 15; α(L)=0.0001294 19; α(M)=2.59×10 ⁻⁵ 4; α(N+..)=1.675×10 ⁻⁵ α(N)=5.25×10 ⁻⁶ 8; α(O)=6.21×10 ⁻⁷ 9; α(IPF)=1.088×10 ⁻⁵ 17 |
| 1239.9 3 | 3.3 8 | 1239.83 | (7/2 ⁺) | 0.0 | 7/2 ⁺ | | | |
| 1243.9 2 | 1.2 4 | 2808.34 | (1/2 ⁺ ,3/2,5/2 ⁺) | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 1252.08 2 | 23 1 | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | 312.073 | (5/2 ⁺) | | | |
| 1254.2 5 | 0.3 1 | 2040.42 | (1/2 ⁺) | 786.922 | (5/2 ⁺) | [E2] | 0.000963 14 | α=0.000963 14; α(K)=0.000821 12; α(L)=0.0001019 15; α(M)=2.04×10 ⁻⁵ 3; α(N+..)=1.89×10 ⁻⁵ α(N)=4.13×10 ⁻⁶ 6; α(O)=4.83×10 ⁻⁷ 7; α(IPF)=1.426×10 ⁻⁵ 22 |
| 1266.58 5 | 3.1 6 | 2053.50 | (3/2 ⁺) | 786.922 | (5/2 ⁺) | [M1] | 0.001179 17 | α=0.001179 17; α(K)=0.001011 15; α(L)=0.0001230 18; α(M)=2.46×10 ⁻⁵ 4; α(N+..)=2.06×10 ⁻⁵ α(N)=4.99×10 ⁻⁶ 7; α(O)=5.91×10 ⁻⁷ 9; α(IPF)=1.503×10 ⁻⁵ 21 |
| 1285 1 | 0.4 2 | 2597.45 | (5/2 ⁺) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 1286 1 | 0.4 2 | 2525.72 | (3/2 ⁺ ,5/2) | 1239.83 | (7/2 ⁺) | | | |
| 1290 1 | 0.3 2 | 2597.45 | (5/2 ⁺) | 1307.187 | (7/2 ⁺) | [M1] | 0.001137 16 | α=0.001137 16; α(K)=0.000971 14; α(L)=0.0001181 17; α(M)=2.36×10 ⁻⁵ 4; α(N+..)=2.42×10 ⁻⁵ α(N)=4.79×10 ⁻⁶ 7; α(O)=5.67×10 ⁻⁷ 8; α(IPF)=1.89×10 ⁻⁵ 4 |
| ^x 1294.0 2 | 2.3 4 | | | | | | | |
| 1302 1 | 0.7 4 | 2541.74 | (3/2 ⁺ ,5/2 ⁺) | 1239.83 | (7/2 ⁺) | | | |
| 1306.0 6 | 4.3 5 | 2025.41 | (3/2 ⁺) | 719.751 | (3/2 ⁺) | [M1+E2] | 0.00100 11 | α=0.00100 11; α(K)=0.00085 10; α(L)=0.000104 11; α(M)=2.09×10 ⁻⁵ 22; α(N+..)=2.74×10 ⁻⁵ 6 α(N)=4.2×10 ⁻⁶ 5; α(O)=5.0×10 ⁻⁷ 6; α(IPF)=2.26×10 ⁻⁵ 9 |
| 1307.2 2 | 8.6 5 | 1307.187 | (7/2 ⁺) | 0.0 | 7/2 ⁺ | [M1+E2] | 0.00100 11 | α=0.00100 11; α(K)=0.00085 10; α(L)=0.000104 11; α(M)=2.08×10 ⁻⁵ 22; α(N+..)=2.76×10 ⁻⁵ 6 α(N)=4.2×10 ⁻⁶ 5; α(O)=5.0×10 ⁻⁷ 6; α(IPF)=2.29×10 ⁻⁵ 9 |
| 1310.40 12 | 2.2 3 | 2225.06 | (5/2 ⁺) | 914.741 | 9/2 ⁺ | [E2] | 0.000892 13 | α=0.000892 13; α(K)=0.000752 11; α(L)=9.29×10 ⁻⁵ 13; α(M)=1.86×10 ⁻⁵ 3; α(N+..)=2.86×10 ⁻⁵ 4 α(N)=3.76×10 ⁻⁶ 6; α(O)=4.41×10 ⁻⁷ 7; α(IPF)=2.44×10 ⁻⁵ 4 |
| 1312.80 23 | 13.7 7 | 1312.797 | (3/2 ⁺ ,5/2) | 0.0 | 7/2 ⁺ | | | |
| 1320.4 6 | 0.4 2 | 2040.42 | (1/2 ⁺) | 719.751 | (3/2 ⁺) | [M1] | 0.001087 16 | α=0.001087 16; α(K)=0.000922 13; α(L)=0.0001121 16; α(M)=2.24×10 ⁻⁵ 4; α(N+..)=2.98×10 ⁻⁵ α(N)=4.55×10 ⁻⁶ 7; α(O)=5.39×10 ⁻⁷ 8; α(IPF)=2.47×10 ⁻⁵ 4 |
| 1333.21 2 | 171 3 | 1333.228 | (5/2 ⁺) | 0.0 | 7/2 ⁺ | [M1] | 0.001067 15 | α=0.001067 15; α(K)=0.000903 13; α(L)=0.0001097 16; α(M)=2.20×10 ⁻⁵ 3; α(N+..)=3.24×10 ⁻⁵ α(N)=4.45×10 ⁻⁶ 7; α(O)=5.27×10 ⁻⁷ 8; α(IPF)=2.74×10 ⁻⁵ 4 |

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¹³³Te β⁻ decay (12.5 min) **1983Hi03** (continued)

γ(¹³³I) (continued)

| <u>E_γ[‡]</u> | <u>I_γ^{‡&}</u> | <u>E_i(level)</u> | <u>J_i^π</u> | <u>E_f</u> | <u>J_f^π</u> | <u>Mult.</u> | <u>α[†]</u> | <u>Comments</u> |
|----------------------------------|---------------------------------------|-----------------------------|---|----------------------|---------------------------------------|--------------|----------------------|---|
| 1333.7 5 | 1.3 5 | 2053.50 | (3/2 ⁺) | 719.751 | (3/2 ⁺) | [M1+E2] | 0.00097 10 | α=0.00097 10; α(K)=0.00081 9; α(L)=0.000100 11; α(M)=1.99×10 ⁻⁵ 21; α(N+..)=3.31×10 ⁻⁵ 8 α(N)=4.0×10 ⁻⁶ 5; α(O)=4.8×10 ⁻⁷ 6; α(IPF)=2.86×10 ⁻⁵ 11 |
| 1349.63 13 | 1.6 5 | 2136.38 | (5/2 ⁺) | 786.922 | (5/2 ⁺) | [M1+E2] | 0.00095 10 | α=0.00095 10; α(K)=0.00079 9; α(L)=9.7×10 ⁻⁵ 10; α(M)=1.94×10 ⁻⁵ 20; α(N+..)=3.67×10 ⁻⁵ 9 α(N)=3.9×10 ⁻⁶ 4; α(O)=4.6×10 ⁻⁷ 5; α(IPF)=3.23×10 ⁻⁵ 12 |
| 1359.45 7 | 1.5 3 | 1671.426 | (3/2 ⁺) | 312.073 | (5/2 ⁺) | [M1] | 0.001030 15 | α=0.001030 15; α(K)=0.000865 13; α(L)=0.0001051 15; α(M)=2.10×10 ⁻⁵ 3; α(N+..)=3.84×10 ⁻⁵ α(N)=4.27×10 ⁻⁶ 6; α(O)=5.05×10 ⁻⁷ 7; α(IPF)=3.37×10 ⁻⁵ 5 |
| 1371.7 5 | 0.16 7 | 2935.83 | (1/2 ⁺ ,3/2,5/2 ⁺) | 1564.125 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 1405.48 5 | 9.4 8 | 1717.625 | (5/2 ⁺) | 312.073 | (5/2 ⁺) | [M1+E2] | 0.00089 9 | α=0.00089 9; α(K)=0.00073 8; α(L)=8.9×10 ⁻⁵ 9; α(M)=1.78×10 ⁻⁵ 18; α(N+..)=5.16×10 ⁻⁵ 13 α(N)=3.6×10 ⁻⁶ 4; α(O)=4.3×10 ⁻⁷ 5; α(IPF)=4.76×10 ⁻⁵ 16 E _γ : 1405.48 52 in the table I of 1983Hi03 , apparently, ΔE is a misprint. |
| 1416.9 [@] 5 | 2.1 4 | 2136.38 | (5/2 ⁺) | 719.751 | (3/2 ⁺) | [M1] | 0.000960 14 | α=0.000960 14; α(K)=0.000791 11; α(L)=9.59×10 ⁻⁵ 14; α(M)=1.92×10 ⁻⁵ 3; α(N+..)=5.38×10 ⁻⁵ 8 α(N)=3.89×10 ⁻⁶ 6; α(O)=4.61×10 ⁻⁷ 7; α(IPF)=4.95×10 ⁻⁵ 7 E _γ : 1416.90 7 keV in 1983Hi03 . |
| 1438 1 | 0.1 1 | 2225.06 | (5/2 ⁺) | 786.922 | (5/2 ⁺) | [M1+E2] | 0.00086 8 | α=0.00086 8; α(K)=0.00070 8; α(L)=8.5×10 ⁻⁵ 9; α(M)=1.70×10 ⁻⁵ 17; α(N+..)=6.13×10 ⁻⁵ 16 α(N)=3.4×10 ⁻⁶ 4; α(O)=4.1×10 ⁻⁷ 5; α(IPF)=5.74×10 ⁻⁵ 19 |
| 1455.24 7 | 2.4 9 | 2768.20 | (1/2 ⁺ ,3/2,5/2) | 1312.797 | (3/2 ⁺ ,5/2) | | | |
| 1468.2 6 | 0.8 5 | 2255.08 | (3/2 ⁺) | 786.922 | (5/2 ⁺) | [M1] | 0.000908 13 | α=0.000908 13; α(K)=0.000732 11; α(L)=8.87×10 ⁻⁵ 13; α(M)=1.775×10 ⁻⁵ 25; α(N+..)=6.94×10 ⁻⁵ α(N)=3.60×10 ⁻⁶ 5; α(O)=4.26×10 ⁻⁷ 6; α(IPF)=6.53×10 ⁻⁵ 10 |
| 1473.74 8 | 5.1 5 | 2193.60 | (3/2 ⁺ ,5/2) | 719.751 | (3/2 ⁺) | | | |
| 1489.88 14 | 1.9 4 | 2209.77 | (3/2 ⁺ ,5/2 ⁺) | 719.751 | (3/2 ⁺) | | | |
| 1493 1 | 0.4 2 | 2866.29 | (1/2 ⁺ ,3/2,5/2 ⁺) | 1373.685 | (1/2 ⁺ ,3/2 ⁻) | | | |
| 1502.8 5 | 0.5 4 | 2417.38 | (5/2 ⁺) | 914.741 | 9/2 ⁺ | [E2] | 0.000742 11 | α=0.000742 11; α(K)=0.000574 8; α(L)=7.02×10 ⁻⁵ 10; α(M)=1.405×10 ⁻⁵ 20; α(N+..)=8.39×10 ⁻⁵ 1 α(N)=2.84×10 ⁻⁶ 4; α(O)=3.34×10 ⁻⁷ 5; α(IPF)=8.08×10 ⁻⁵ 12 |
| 1505.2 3 | 1.1 5 | 2225.06 | (5/2 ⁺) | 719.751 | (3/2 ⁺) | [M1] | 0.000876 13 | α=0.000876 13; α(K)=0.000694 10; α(L)=8.40×10 ⁻⁵ 12; α(M)=1.681×10 ⁻⁵ 24; α(N+..)=8.16×10 ⁻⁵ α(N)=3.41×10 ⁻⁶ 5; α(O)=4.04×10 ⁻⁷ 6; α(IPF)=7.78×10 ⁻⁵ 11 |
| 1535.1 1 | 3.4 5 | 2255.08 | (3/2 ⁺) | 719.751 | (3/2 ⁺) | [M1+E2] | 0.00079 7 | α=0.00079 7; α(K)=0.00061 6; α(L)=7.4×10 ⁻⁵ 7; α(M)=1.48×10 ⁻⁵ 14; α(N+..)=9.38×10 ⁻⁵ 21 α(N)=3.0×10 ⁻⁶ 3; α(O)=3.5×10 ⁻⁷ 4; α(IPF)=9.04×10 ⁻⁵ 24 |
| 1564.0 2 | 1.2 3 | 2283.75 | (1/2 ⁺ ,3/2) | 719.751 | (3/2 ⁺) | | | |

¹³³Te β⁻ decay (12.5 min) 1983Hi03 (continued)

γ(¹³³I) (continued)

| <u>E_γ[‡]</u> | <u>I_γ^{‡&}</u> | <u>E_i(level)</u> | <u>J_i^π</u> | <u>E_f</u> | <u>J_f^π</u> | <u>Mult.</u> | <u>α[†]</u> | <u>Comments</u> |
|----------------------------------|---------------------------------------|-----------------------------|---------------------------------------|----------------------|----------------------------------|--------------|----------------------|--|
| 1630.1 3 | 0.4 2 | 2417.38 | (5/2 ⁺) | 786.922 | (5/2 ⁺) | [M1+E2] | 0.00075 6 | α=0.00075 6; α(K)=0.00054 5; α(L)=6.5×10 ⁻⁵ 6; α(M)=1.30×10 ⁻⁵ 11; α(N+..)=0.000130 3 α(N)=2.64×10 ⁻⁶ 23; α(O)=3.1×10 ⁻⁷ 3; α(IPF)=0.000127 3 |
| 1633.7 2 | 1.2 3 | 1945.78 | | 312.073 | (5/2 ⁺) | | | |
| 1671.19 7 | 2.6 4 | 1671.426 | (3/2 ⁺) | 0.0 | 7/2 ⁺ | [E2] | 0.000685 10 | α=0.000685 10; α(K)=0.000468 7; α(L)=5.69×10 ⁻⁵ 8; α(M)=1.138×10 ⁻⁵ 16; α(N+..)=0.0001491 α(N)=2.30×10 ⁻⁶ 4; α(O)=2.71×10 ⁻⁷ 4; α(IPF)=0.0001465 21 |
| 1680 1 | 1.5 9 | 2467.30 | (3/2 ⁺ ,5/2) | 786.922 | (5/2 ⁺) | | | |
| 1682.9 2 | 2.2 4 | 2597.45 | (5/2 ⁺) | 914.741 | 9/2 ⁺ | [E2] | 0.000683 10 | α=0.000683 10; α(K)=0.000462 7; α(L)=5.61×10 ⁻⁵ 8; α(M)=1.122×10 ⁻⁵ 16; α(N+..)=0.0001541 α(N)=2.27×10 ⁻⁶ 4; α(O)=2.68×10 ⁻⁷ 4; α(IPF)=0.0001515 22 |
| 1697.3 2 | 1.0 4 | 2417.38 | (5/2 ⁺) | 719.751 | (3/2 ⁺) | [M1] | 0.000771 11 | α=0.000771 11; α(K)=0.000537 8; α(L)=6.48×10 ⁻⁵ 9; α(M)=1.296×10 ⁻⁵ 19; α(N+..)=0.0001564 α(N)=2.63×10 ⁻⁶ 4; α(O)=3.11×10 ⁻⁷ 5; α(IPF)=0.0001534 22 |
| 1706 1 | 1.0 7 | 2493.03 | (1/2 ⁺) | 786.922 | (5/2 ⁺) | | | |
| 1713.0 5 | 6 1 | 2025.41 | (3/2 ⁺) | 312.073 | (5/2 ⁺) | [M1] | 0.000766 11 | α=0.000766 11; α(K)=0.000526 8; α(L)=6.35×10 ⁻⁵ 9; α(M)=1.270×10 ⁻⁵ 18; α(N+..)=0.0001631 α(N)=2.58×10 ⁻⁶ 4; α(O)=3.05×10 ⁻⁷ 5; α(IPF)=0.0001602 23 |
| 1717.61 1 | 51 2 | 1717.625 | (5/2 ⁺) | 0.0 | 7/2 ⁺ | [M1] | 0.000764 11 | α=0.000764 11; α(K)=0.000523 8; α(L)=6.32×10 ⁻⁵ 9; α(M)=1.263×10 ⁻⁵ 18; α(N+..)=0.0001651 α(N)=2.56×10 ⁻⁶ 4; α(O)=3.04×10 ⁻⁷ 5; α(IPF)=0.0001623 23 |
| 1722 1 | 1.3 5 | 2034.1? | | 312.073 | (5/2 ⁺) | | | |
| 1738 2 | 0.8 4 | 2525.72 | (3/2 ⁺ ,5/2) | 786.922 | (5/2 ⁺) | | | |
| 1741.57 8 | 2.2 2 | 2053.50 | (3/2 ⁺) | 312.073 | (5/2 ⁺) | [M1] | 0.000757 11 | α=0.000757 11; α(K)=0.000508 8; α(L)=6.13×10 ⁻⁵ 9; α(M)=1.226×10 ⁻⁵ 18; α(N+..)=0.0001757 α(N)=2.49×10 ⁻⁶ 4; α(O)=2.95×10 ⁻⁷ 5; α(IPF)=0.0001729 25 |
| 1754.9 2 | 0.7 1 | 2541.74 | (3/2 ⁺ ,5/2 ⁺) | 786.922 | (5/2 ⁺) | | | |
| 1773.27 7 | 2.2 7 | 2493.03 | (1/2 ⁺) | 719.751 | (3/2 ⁺) | | | |
| 1806.9 [@] 5 | 4.1 4 | 2525.72 | (3/2 ⁺ ,5/2) | 719.751 | (3/2 ⁺) | | | E _γ : 1806.9 1 keV in 1983Hi03. |
| 1821.7 2 | 3.5 4 | 2541.74 | (3/2 ⁺ ,5/2 ⁺) | 719.751 | (3/2 ⁺) | | | |
| 1824.25 3 | 6.4 5 | 2136.38 | (5/2 ⁺) | 312.073 | (5/2 ⁺) | [M1+E2] | 0.00071 4 | α=0.00071 4; α(K)=0.00043 4; α(L)=5.2×10 ⁻⁵ 4; α(M)=1.04×10 ⁻⁵ 8; α(N+..)=0.000215 4 α(N)=2.10×10 ⁻⁶ 16; α(O)=2.48×10 ⁻⁷ 20; α(IPF)=0.000213 4 |
| 1881.52 4 | 19.5 7 | 2193.60 | (3/2 ⁺ ,5/2) | 312.073 | (5/2 ⁺) | | | |
| 1893.21 22 | 0.9 3 | 2205.30 | | 312.073 | (5/2 ⁺) | | | |
| 1897.59 7 | 1.7 1 | 2209.77 | (3/2 ⁺ ,5/2 ⁺) | 312.073 | (5/2 ⁺) | | | |
| 1912.91 6 | 1.9 1 | 2225.06 | (5/2 ⁺) | 312.073 | (5/2 ⁺) | [M1+E2] | 0.00070 3 | α=0.00070 3; α(K)=0.00039 3; α(L)=4.7×10 ⁻⁵ 4; α(M)=9.4×10 ⁻⁶ 7; α(N+..)=0.000256 4 α(N)=1.91×10 ⁻⁶ 14; α(O)=2.25×10 ⁻⁷ 17; α(IPF)=0.000254 4 |
| 1938 1 | 0.5 3 | 2250.1 | | 312.073 | (5/2 ⁺) | | | |
| 1943.8 [@] 5 | 1.3 2 | 2255.08 | (3/2 ⁺) | 312.073 | (5/2 ⁺) | [M1] | 0.000732 11 | α=0.000732 11; α(K)=0.000403 6; α(L)=4.86×10 ⁻⁵ 7; α(M)=9.71×10 ⁻⁶ 14; α(N+..)=0.000270 4 |

¹³³Te β⁻ decay (12.5 min) **1983Hi03** (continued)

| <u>γ(¹³³I) (continued)</u> | | | | | | | | |
|---------------------------------------|---------------------------------------|-----------------------------|---|----------------------|----------------------------------|--------------|----------------------|---|
| <u>E_γ[†]</u> | <u>I_γ^{‡&}</u> | <u>E_i(level)</u> | <u>J_i^π</u> | <u>E_f</u> | <u>J_f^π</u> | <u>Mult.</u> | <u>α[†]</u> | <u>Comments</u> |
| | | | | | | | | α(N)=1.97×10 ⁻⁶ 3; α(O)=2.33×10 ⁻⁷ 4; α(IPF)=0.000268 4 E _γ : 1943.8 1 keV in 1983Hi03 . |
| 1972 ^b 2 | 0.24 8 | 2283.75 | (1/2 ⁺ ,3/2) | 312.073 | (5/2 ⁺) | | | |
| 2025.6 2 | 1.3 2 | 2025.41 | (3/2 ⁺) | 0.0 | 7/2 ⁺ | [E2] | 0.000686 10 | α=0.000686 10; α(K)=0.000327 5; α(L)=3.94×10 ⁻⁵ 6; α(M)=7.87×10 ⁻⁶ 11; α(N+..)=0.000312 5 α(N)=1.595×10 ⁻⁶ 23; α(O)=1.88×10 ⁻⁷ 3; α(IPF)=0.000310 5 |
| ^x 2036.2 3 | 0.3 1 | | | | | | | |
| 2048.5 4 | 0.6 2 | 2768.20 | (1/2 ⁺ ,3/2,5/2) | 719.751 | (3/2 ⁺) | | | |
| 2053.43 8 | 2.3 5 | 2053.50 | (3/2 ⁺) | 0.0 | 7/2 ⁺ | [E2] | 0.000690 10 | α=0.000690 10; α(K)=0.000319 5; α(L)=3.84×10 ⁻⁵ 6; α(M)=7.67×10 ⁻⁶ 11; α(N+..)=0.000325 5 α(N)=1.555×10 ⁻⁶ 22; α(O)=1.84×10 ⁻⁷ 3; α(IPF)=0.000323 5 |
| 2079.3 2 | 1.5 3 | 2866.29 | (1/2 ⁺ ,3/2,5/2 ⁺) | 786.922 | (5/2 ⁺) | | | |
| 2081.3 3 | 0.9 3 | 2393.27 | (3/2 ⁺ ,5/2) | 312.073 | (5/2 ⁺) | | | |
| ^x 2093 1 | 0.3 2 | | | | | | | |
| 2105.5 ^a 2 | 1.6 ^a 4 | 2417.38 | (5/2 ⁺) | 312.073 | (5/2 ⁺) | [M1+E2] | 0.000720 24 | α=0.000720 24; α(K)=0.000323 19; α(L)=3.89×10 ⁻⁵ 23; α(M)=7.8×10 ⁻⁶ 5; α(N+..)=0.000350 5 α(N)=1.57×10 ⁻⁶ 10; α(O)=1.86×10 ⁻⁷ 12; α(IPF)=0.000348 5 |
| 2105.5 ^a 2 | 1.6 ^a 4 | 2825.31 | (3/2 ⁺ ,5/2) | 719.751 | (3/2 ⁺) | | | |
| 2136.51 8 | 20 1 | 2136.38 | (5/2 ⁺) | 0.0 | 7/2 ⁺ | [M1] | 0.000744 11 | α=0.000744 11; α(K)=0.000332 5; α(L)=3.99×10 ⁻⁵ 6; α(M)=7.97×10 ⁻⁶ 12; α(N+..)=0.000365 6 α(N)=1.616×10 ⁻⁶ 23; α(O)=1.92×10 ⁻⁷ 3; α(IPF)=0.000363 5 |
| 2148.3 4 | 0.4 2 | 2935.83 | (1/2 ⁺ ,3/2,5/2 ⁺) | 786.922 | (5/2 ⁺) | | | |
| 2155 1 | 0.4 3 | 2467.30 | (3/2 ⁺ ,5/2) | 312.073 | (5/2 ⁺) | | | |
| 2180.9 4 | 0.5 3 | 2493.03 | (1/2 ⁺) | 312.073 | (5/2 ⁺) | [E2] | 0.000713 10 | α=0.000713 10; α(K)=0.000286 4; α(L)=3.44×10 ⁻⁵ 5; α(M)=6.86×10 ⁻⁶ 10; α(N+..)=0.000386 6 α(N)=1.390×10 ⁻⁶ 20; α(O)=1.643×10 ⁻⁷ 23; α(IPF)=0.000384 6 |
| 2193.65 5 | 9.1 7 | 2193.60 | (3/2 ⁺ ,5/2) | 0.0 | 7/2 ⁺ | | | |
| 2210.2 [@] 5 | 11 1 | 2209.77 | (3/2 ⁺ ,5/2 ⁺) | 0.0 | 7/2 ⁺ | | | E _γ : 2210.22 4 keV in 1983Hi03 . |
| 2213.6 1 | 3.4 6 | 2525.72 | (3/2 ⁺ ,5/2) | 312.073 | (5/2 ⁺) | | | |
| 2225.00 14 | 3.6 4 | 2225.06 | (5/2 ⁺) | 0.0 | 7/2 ⁺ | [M1] | 0.000759 11 | α=0.000759 11; α(K)=0.000305 5; α(L)=3.67×10 ⁻⁵ 6; α(M)=7.32×10 ⁻⁶ 11; α(N+..)=0.000409 6 α(N)=1.486×10 ⁻⁶ 21; α(O)=1.762×10 ⁻⁷ 25; α(IPF)=0.000408 6 |
| 2229.64 3 | 14 1 | 2541.74 | (3/2 ⁺ ,5/2 ⁺) | 312.073 | (5/2 ⁺) | | | |
| 2255.4 1 | 3.3 5 | 2255.08 | (3/2 ⁺) | 0.0 | 7/2 ⁺ | [E2] | 0.000730 11 | α=0.000730 11; α(K)=0.000269 4; α(L)=3.23×10 ⁻⁵ 5; α(M)=6.45×10 ⁻⁶ 9; α(N+..)=0.000422 6 α(N)=1.307×10 ⁻⁶ 19; α(O)=1.545×10 ⁻⁷ 22; α(IPF)=0.000420 6 |
| 2266.4 1 | 3.8 5 | 2266.47 | (3/2 ⁺) | 0.0 | 7/2 ⁺ | [E2] | 0.000733 11 | α=0.000733 11; α(K)=0.000267 4; α(L)=3.20×10 ⁻⁵ 5; α(M)=6.39×10 ⁻⁶ 9; α(N+..)=0.000427 6 α(N)=1.296×10 ⁻⁶ 19; α(O)=1.531×10 ⁻⁷ 22; α(IPF)=0.000426 6 |
| 2285.5 4 | 0.15 5 | 2597.45 | (5/2 ⁺) | 312.073 | (5/2 ⁺) | [M1+E2] | 0.000754 20 | α=0.000754 20; α(K)=0.000276 14; α(L)=3.31×10 ⁻⁵ 17; α(M)=6.6×10 ⁻⁶ 4; α(N+..)=0.000438 7 α(N)=1.34×10 ⁻⁶ 7; α(O)=1.59×10 ⁻⁷ 9; α(IPF)=0.000436 7 |

¹³³Te β⁻ decay (12.5 min) **1983Hi03** (continued)

γ(¹³³I) (continued)

| <u>E_γ[‡]</u> | <u>I_γ^{‡&}</u> | <u>E_i(level)</u> | <u>J_i^π</u> | <u>E_f</u> | <u>J_f^π</u> | <u>Mult.</u> | <u>α[†]</u> | <u>Comments</u> |
|----------------------------------|---------------------------------------|-----------------------------|---|----------------------|----------------------------------|--------------|----------------------|--|
| ^x 2336 1 | 0.23 9 | | | | | | | |
| 2349 1 | 0.13 7 | 2661.0 | (3/2 ⁺ ,5/2 ⁺) | 312.073 | (5/2 ⁺) | | | |
| 2363 1 | 0.4 2 | 2363.78 | (3/2 ⁺ ,5/2) | 0.0 | 7/2 ⁺ | | | |
| 2393 1 | 0.2 1 | 2393.27 | (3/2 ⁺ ,5/2) | 0.0 | 7/2 ⁺ | | | |
| 2417.7 1 | 3 1 | 2417.38 | (5/2 ⁺) | 0.0 | 7/2 ⁺ | [M1] | 0.000801 12 | α=0.000801 12; α(K)=0.000258 4; α(L)=3.09×10 ⁻⁵ 5; α(M)=6.18×10 ⁻⁶ 9; α(N+..)=0.000505 7 α(N)=1.254×10 ⁻⁶ 18; α(O)=1.487×10 ⁻⁷ 21; α(IPF)=0.000504 7 |
| 2456.20 9 | 4.1 4 | 2768.20 | (1/2 ⁺ ,3/2,5/2) | 312.073 | (5/2 ⁺) | | | |
| 2467.40 7 | 6.5 5 | 2467.30 | (3/2 ⁺ ,5/2) | 0.0 | 7/2 ⁺ | | | |
| ^x 2485 1 | 0.3 2 | | | | | | | |
| 2496.35 12 | 3.1 4 | 2808.34 | (1/2 ⁺ ,3/2,5/2 ⁺) | 312.073 | (5/2 ⁺) | | | |
| 2525.5 4 | 0.4 2 | 2525.72 | (3/2 ⁺ ,5/2) | 0.0 | 7/2 ⁺ | | | |
| 2541.80 7 | 8 1 | 2541.74 | (3/2 ⁺ ,5/2 ⁺) | 0.0 | 7/2 ⁺ | | | |
| 2554.19 7 | 5.6 6 | 2866.29 | (1/2 ⁺ ,3/2,5/2 ⁺) | 312.073 | (5/2 ⁺) | | | |
| 2597.7 3 | 0.9 3 | 2597.45 | (5/2 ⁺) | 0.0 | 7/2 ⁺ | [M1] | 0.000849 12 | α=0.000849 12; α(K)=0.000224 4; α(L)=2.68×10 ⁻⁵ 4; α(M)=5.34×10 ⁻⁶ 8; α(N+..)=0.000593 9 α(N)=1.084×10 ⁻⁶ 16; α(O)=1.286×10 ⁻⁷ 18; α(IPF)=0.000592 9 |
| 2623.82 16 | 1.5 3 | 2935.83 | (1/2 ⁺ ,3/2,5/2 ⁺) | 312.073 | (5/2 ⁺) | | | |
| 2661.1 4 | 1.2 3 | 2661.0 | (3/2 ⁺ ,5/2 ⁺) | 0.0 | 7/2 ⁺ | | | |
| 2825.30 14 | 2.5 3 | 2825.31 | (3/2 ⁺ ,5/2) | 0.0 | 7/2 ⁺ | | | |

[†] Additional information 1.

[‡] From 1983Hi03.

Uncertainty assigned by evaluators, since was not given by the authors.

@ Energy fit is poor. ΔE_γ=0.5 keV assigned by evaluators.

& For absolute intensity per 100 decays, multiply by 0.0624 4.

^a Multiply placed with undivided intensity.

^b Placement of transition in the level scheme is uncertain.

^x γ ray not placed in level scheme.

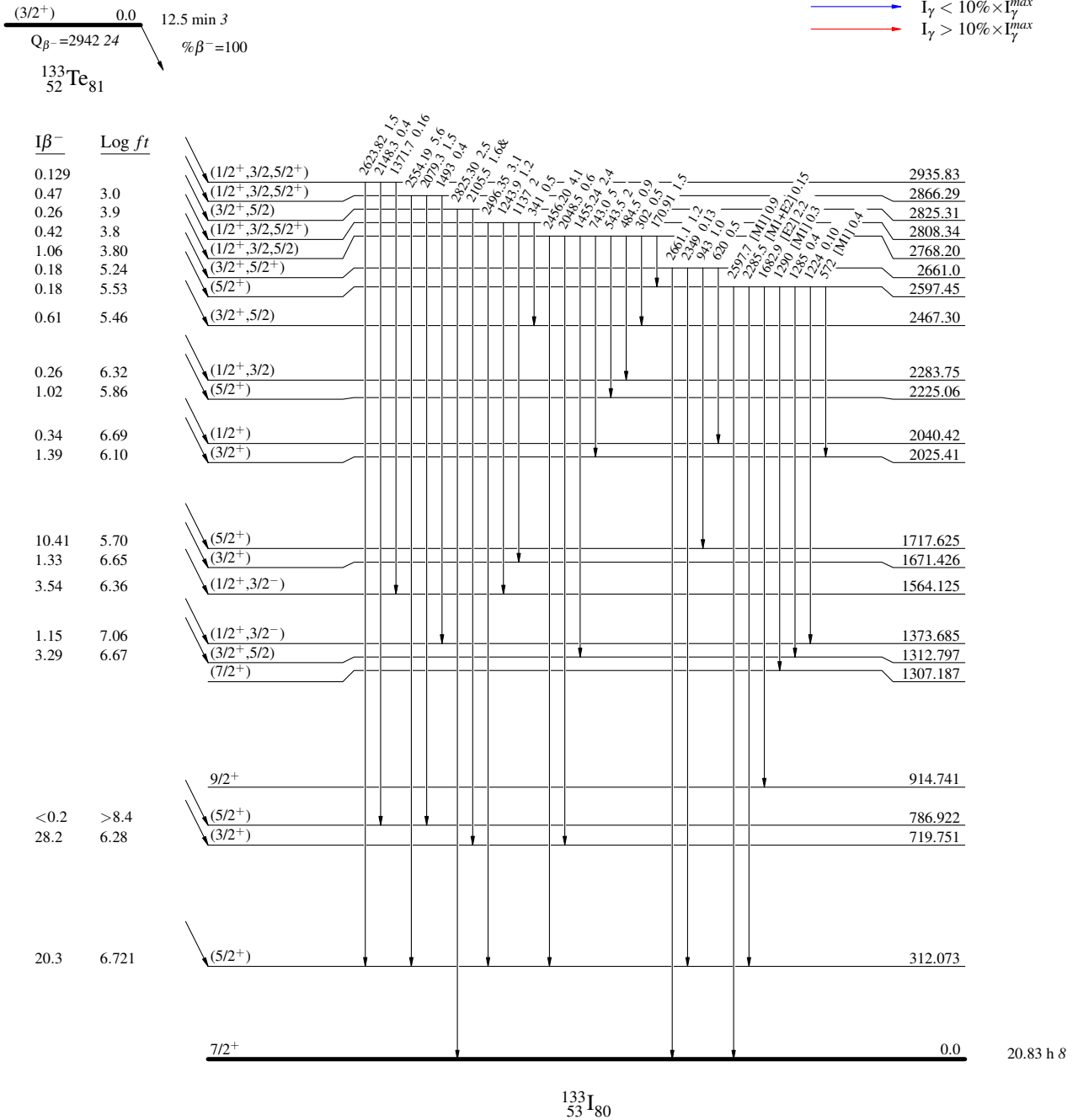
$^{133}\text{Te} \beta^-$ decay (12.5 min) $^{1983}\text{Hi03}$

Decay Scheme

Intensities: Relative I_γ
& Multiply placed: undivided intensity given

Legend

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



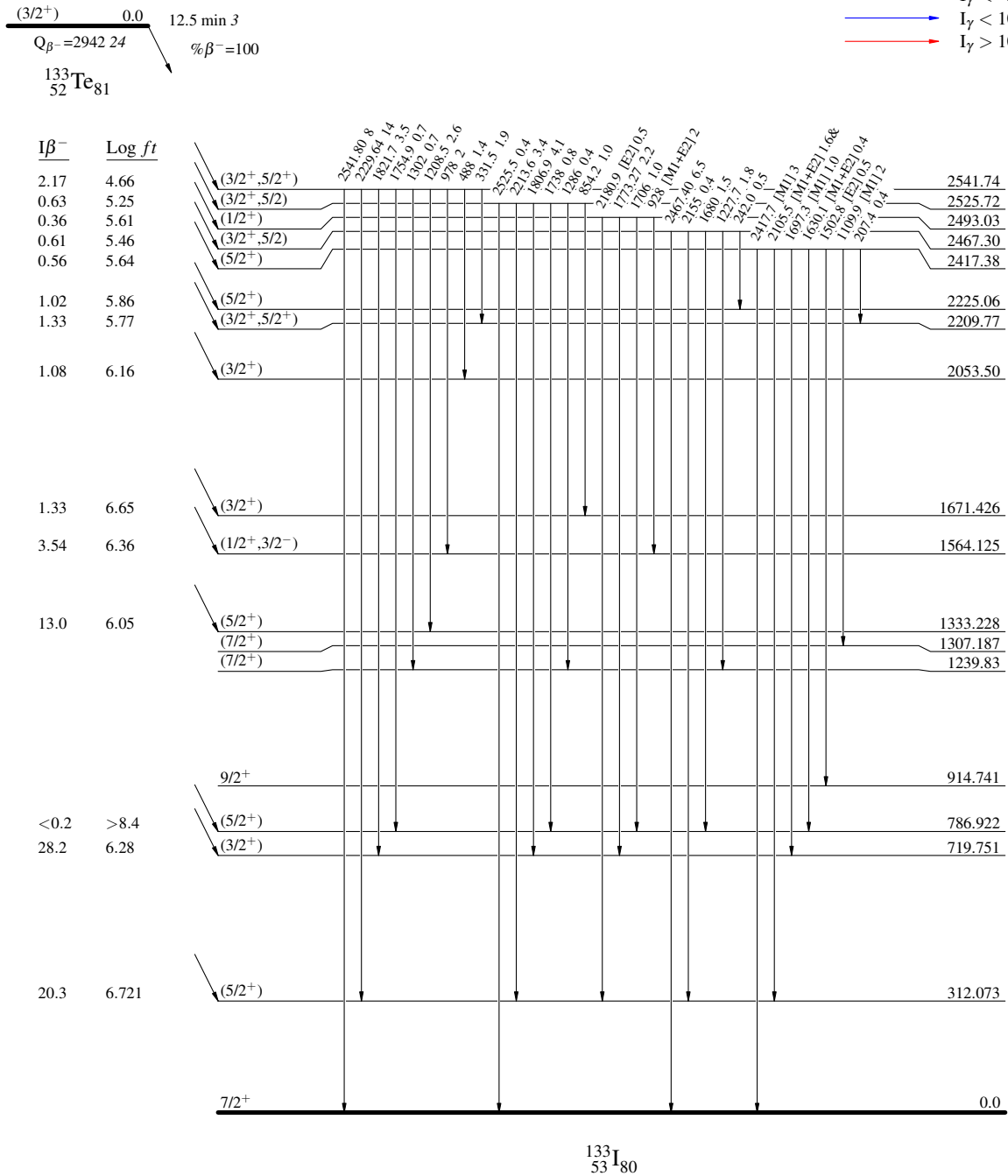
$^{133}\text{Te} \beta^-$ decay (12.5 min) 1983Hi03

Decay Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given

Legend

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



^{133}Te β^- decay (12.5 min) 1983Hi03

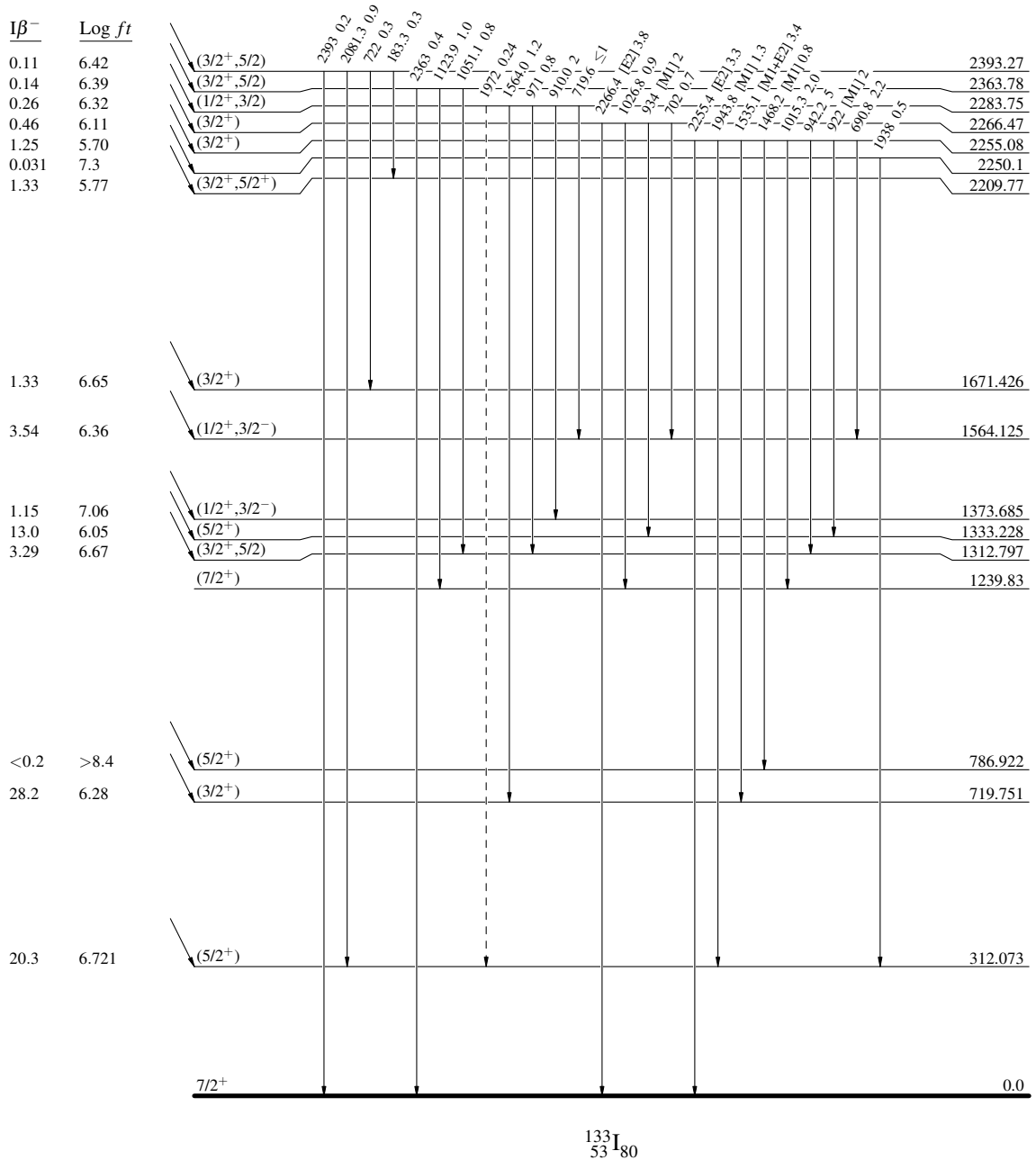
Decay Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given

Legend

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

$(3/2^+)$ 0.0
 $Q_{\beta^-} = 2942.24$ 12.5 min 3
 $\% \beta^- = 100$
 $^{133}_{52}\text{Te}_{81}$



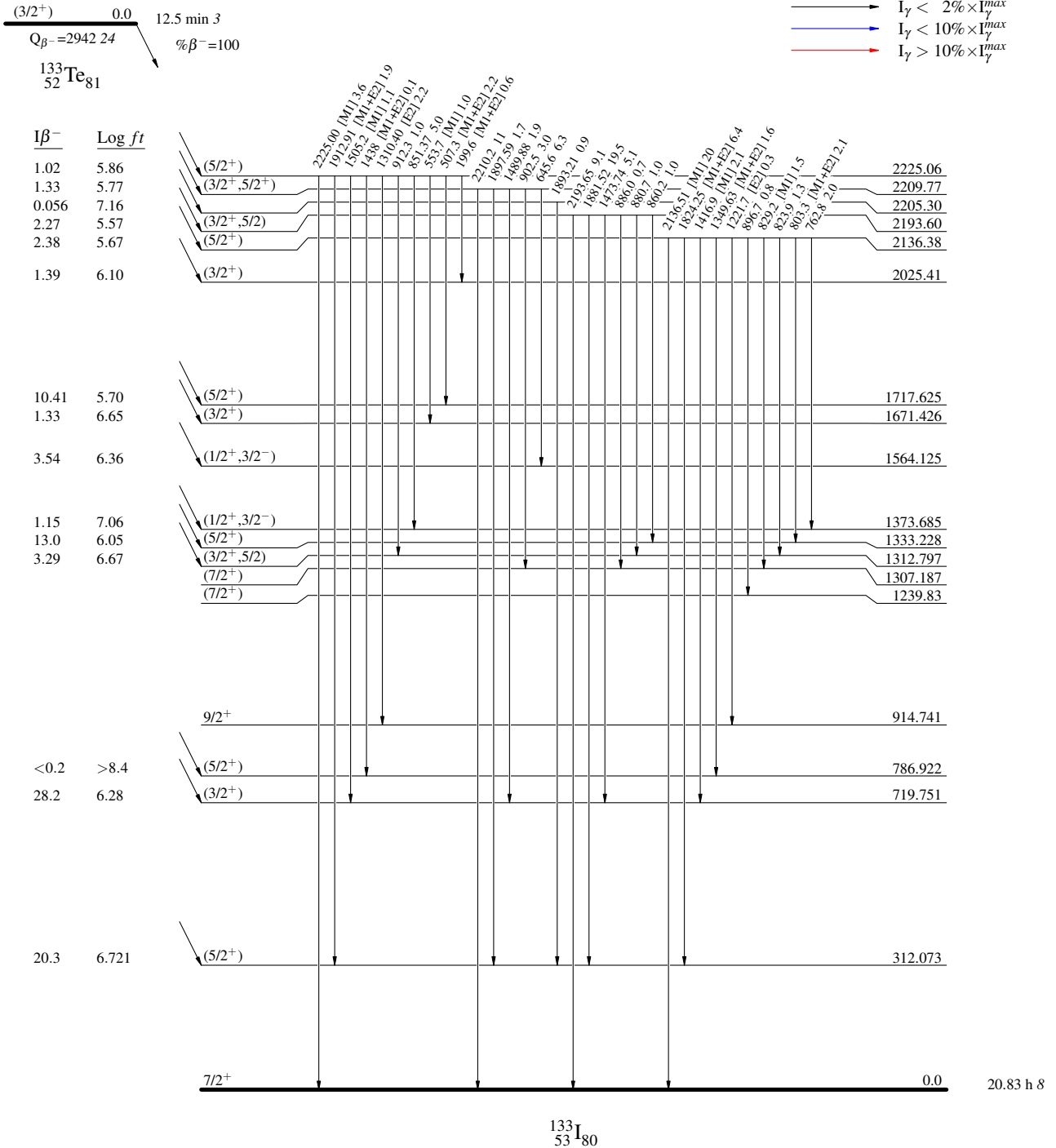
$^{133}\text{Te} \beta^-$ decay (12.5 min) 1983Hi03

Decay Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given

Legend

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



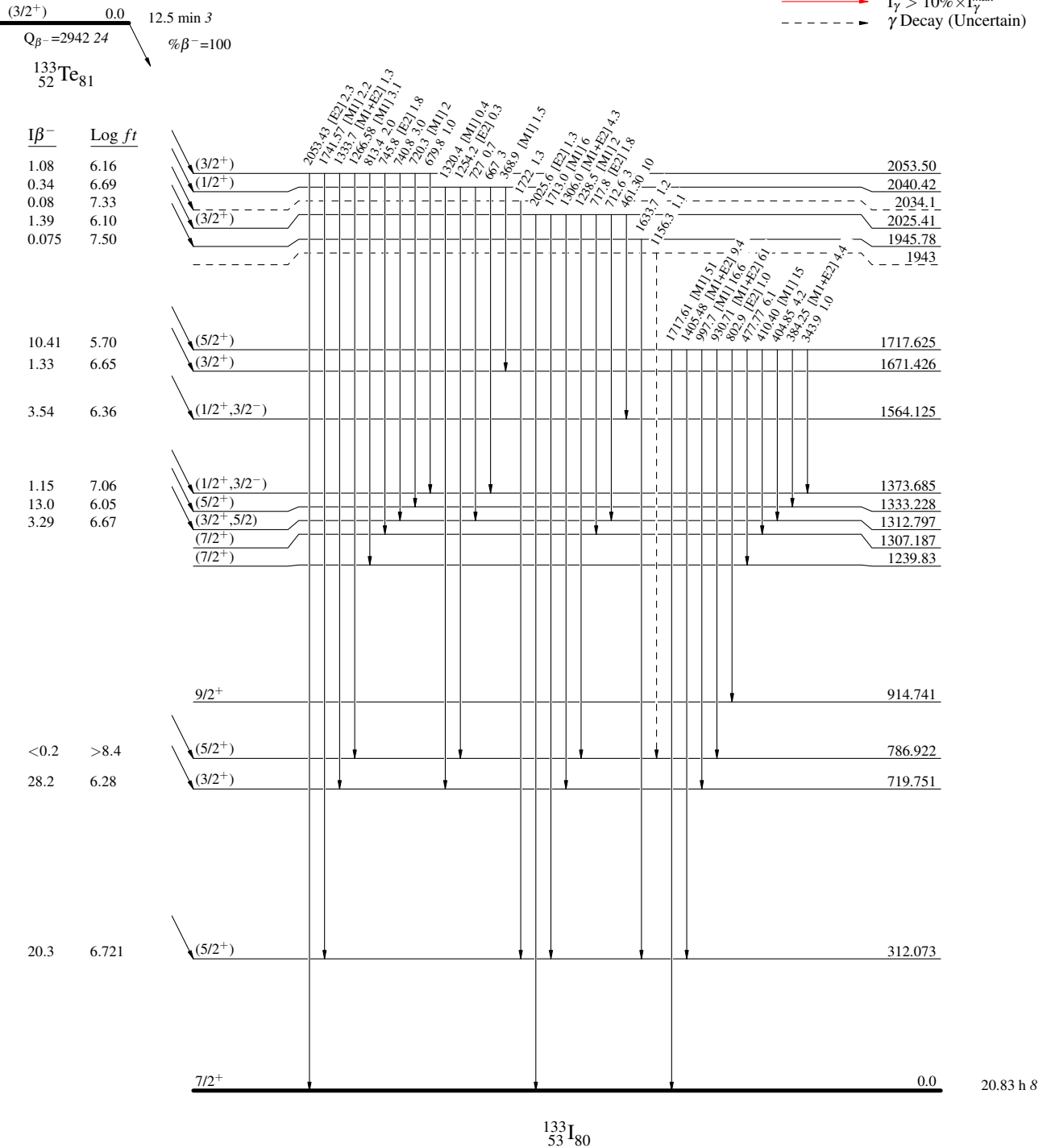
$^{133}\text{Te} \beta^-$ decay (12.5 min) 1983Hi03

Decay Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given

Legend

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



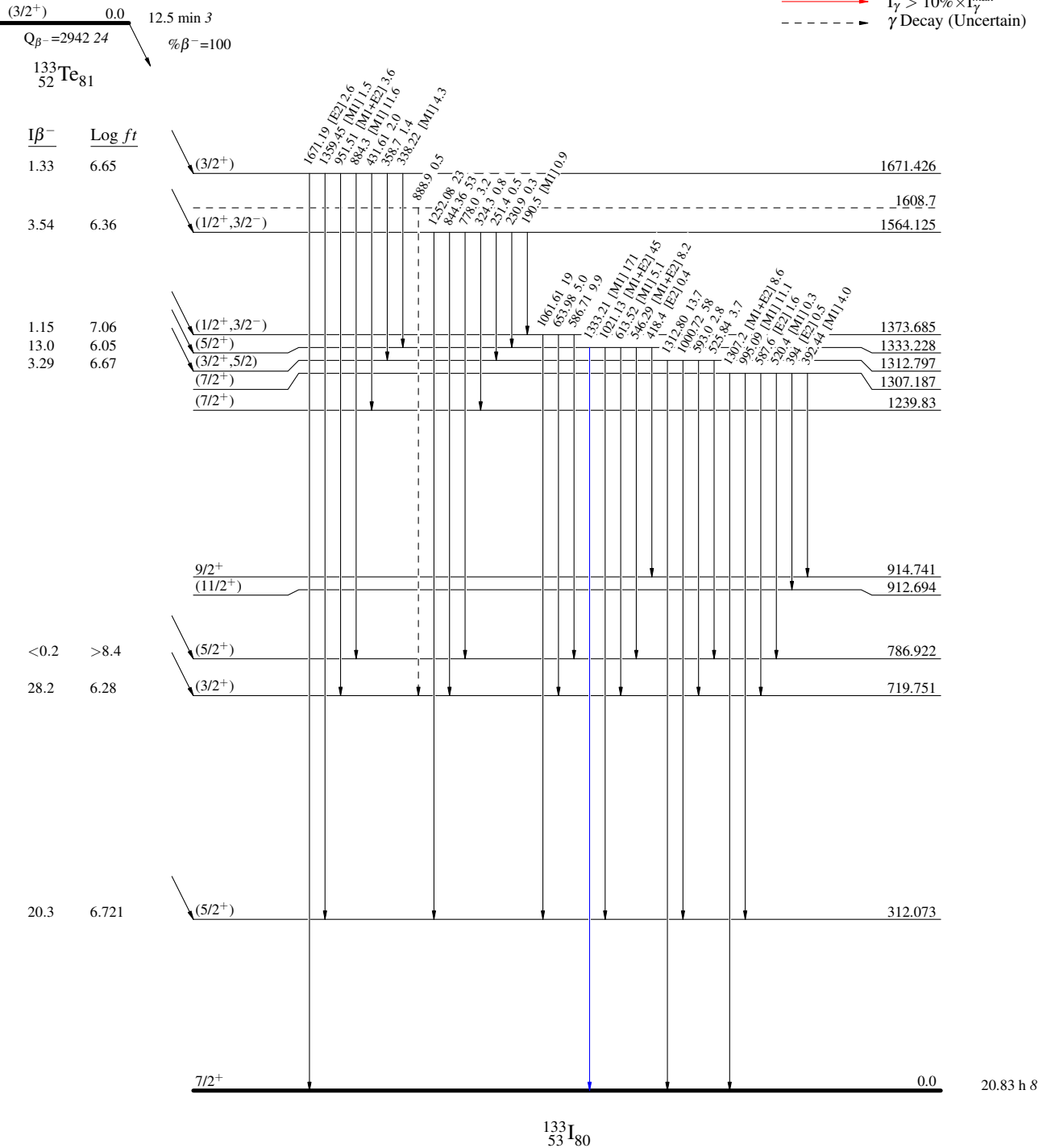
$^{133}\text{Te } \beta^- \text{ decay (12.5 min) } 1983\text{Hi03}$

Decay Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given

Legend

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



^{133}Te β^- decay (12.5 min) 1983Hi03

Decay Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given

Legend

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

