

$^{124}\text{Te}(n,\gamma)$ E=thermal **1999Ho01,1998Ho16,1997BoZW**

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

1999Ho01: Enriched target 92.4%, semi, HPGe, γ , γ - γ coin., binding energy (also [1998Ho16](#),[1997BoZW](#),[1995HoZV](#),[1994HoZV](#)).

1996Bo10: Enriched target 92.4%, γ - γ coin.

1993Ho11: Enriched target 92.4%, semi, γ , γ - γ coin.

The level scheme is from [1999Ho01](#).

 ^{125}Te Levels

E(level) [†]	J π #	Comments
0.0	1/2 ⁺	
35.49 [‡]	3/2 ⁺	Additional information 1.
144.78 [‡]	11/2 ⁻	Additional information 2.
321.082 24	9/2 ⁻	
443.554 14	3/2 ⁺	
463.375 18	5/2 ⁺	
525.231 23	7/2 ⁻	
537.836 16	(1/2 ⁺)	
635.95 4	7/2 ⁺	
642.17 3	7/2 ⁺	
671.458 16	5/2 ⁺	
729.231 16	3/2 ⁺	
786.57 3	7/2 ⁻	
1017.73 4		
1053.89 3	3/2 ⁺ ,5/2 ⁺	
1066.31 3	3/2 ⁺ ,5/2 ⁺	
1071.865 19	5/2 ⁻	
1091.37 10	3/2 ⁺ ,5/2 ⁺	
1133.25 3	3/2 ⁺ ,5/2 ⁺	
1209.61 4	5/2 ⁻ ,7/2,9/2	
1242.826 25	3/2 ⁺ ,5/2 ⁺	
1245.63? 6		
1265.13 4	3/2 ⁺ ,5/2 ⁺	
1314.5 10	7/2 ⁺ ,9/2 ⁺	
1319.540 22	3/2 ⁻	
1322.33 4	5/2 ⁻ ,7/2 ⁻	
1358.19 8	7/2 ⁺ ,9/2 ⁺	
1435.91 4	5/2 ⁺	
1520.88? 10		
1529.506 24	3/2 ⁺ ,5/2 ⁺	
1580.84? 11		
1587.36 4	1/2 ⁺	
1652.63 3	5/2 ⁺	
1670.25 3	(3/2 ⁺ ,5/2 ⁺)	
1699.87 4	3/2 ⁻	
1713.55 4	1/2 ⁺	
1732.5 10	7/2 ⁺ ,9/2 ⁺	
1759.96 5	3/2 ⁺ ,5/2 ⁺	
1766.36 5	3/2 ⁻ ,5/2,7/2 ⁺	
1770.69 5		
1775.02? 6		
1813.10 8	3/2 ⁺ ,5/2 ⁺	
1832.47 4	7/2 ⁺ ,9/2 ⁺	
1865.19 4	3/2 ⁺ ,5/2 ⁺	

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$^{124}\text{Te}(n,\gamma)$ E=thermal 1999Ho01,1998Ho16,1997BoZW (continued)

^{125}Te Levels (continued)

E(level) [†]	J ^π #	E(level) [†]	J ^π #	E(level) [†]	J ^π #
1899.21 5	3/2 ⁺ ,5/2,7/2 ⁺	2231.92 6		2729.24 8	1/2,3/2,5/2 ⁺
1905.13 3	3/2 ⁺ ,5/2 ⁺	2247.29 6	1/2 ⁻ ,3/2,5/2 ⁺	2751.81? 11	1/2 ⁻ ,3/2 ⁻
1911.17 5	3/2 ⁻ ,5/2,7/2 ⁺	2251.15 5	(1/2,3/2,5/2 ⁺)	2754.48? 22	(1/2,3/2,5/2 ⁺)
1918.59 4	3/2 ⁺ ,5/2 ⁺	2270.90 5	3/2 ⁻	2770.78 6	3/2 ⁻
1932.76 8	5/2 ⁻ ,7/2 ⁻	2292.55? 9		2776.42? 11	
1956.706 22	3/2 ⁻	2311.53? 10	1/2 ⁺ ,3/2,5/2 ⁺	2785.58 7	3/2
1969.38? 11	7/2 ⁺ ,9/2 ⁺	2313.72 7	1/2,3/2,5/2 ⁺	2802.06? 14	1/2 ⁺ ,3/2,5/2 ⁺
1978.76 3	1/2 ⁻ ,3/2	2315.58 6	(3/2,5/2 ⁺)	2814.33? 9	
1982.26? 19	5/2 ⁻	2351.38 6		2819.52? 10	
1991.36? 18	1/2 ⁺	2372.93 8	(1/2 ⁺ ,3/2,5/2 ⁺)	2898.15? 9	1/2 ⁺ ,3/2,5/2 ⁺
1995.18 5	9/2 ⁻	2379.71 5	1/2 ⁺ ,3/2,5/2 ⁺	2937.07? 9	
2009.40 3	3/2 ⁻	2384.83? 6		2952.13? 8	
2021.36 6	3/2 ⁺ ,5/2,7/2 ⁺	2410.00 9		2974.99 8	
2047.28? 7	1/2 ⁻ ,3/2 ⁻	2415.63 5	1/2 ⁺ ,3/2,5/2 ⁺	2990.90 7	1/2 ⁺ ,3/2,5/2 ⁺
2049.29 4	3/2 ⁺ ,5/2,7/2 ⁺	2438.98 8	(3/2 ⁻ ,5/2 ⁺)	3002.05 8	
2060.89 4	3/2 ⁺ ,5/2 ⁺	2466.52 5	1/2 ⁺ ,3/2,5/2 ⁺	3021.57 6	3/2
2068.94? 9		2495.66 8	3/2,5/2,7/2 ⁺	3072.51 5	
2076.98 6	1/2 ⁻ ,3/2,5/2 ⁺	2504.76? 11		3106.48 6	1/2 ⁺ ,3/2
2087.01? 9	(1/2,3/2,5/2 ⁺)	2522.46? 7	3/2 ⁻	3142.34 6	3/2
2108.55 4	1/2 ⁻ ,3/2	2528.76? 9		3174.48 6	1/2 ⁻ ,3/2
2129.64 4	1/2 ⁻ ,3/2	2550.41 6	3/2	3183.99 8	1/2,3/2,5/2 ⁺
2132.77 5	3/2 ⁺ ,5/2,7/2 ⁺	2560.96? 11	1/2,3/2,5/2 ⁺	3208.35 7	1/2,3/2
2145.68 17		2568.20 5	1/2 ⁺ ,3/2,5/2 ⁺	3291.25? 7	
2149.62 4	(1/2 ⁻ ,3/2,5/2 ⁺)	2586.02 4	1/2,3/2	3430.26 8	1/2 ⁻ ,3/2 ⁻
2176.05? 6	1/2 ⁺ ,3/2,5/2 ⁺	2591.93? 8		3532.25 8	
2181.93 5	1/2 ⁺ ,3/2,5/2 ⁺	2607.06 5	1/2 ⁻ ,3/2,5/2 ⁺	3554.74 9	
2204.19 5		2650.00 4	3/2 ⁻	3563.83? 9	
2220.22 6	3/2 ⁺ ,5/2,7/2 ⁺	2689.90? 13		6569.171 18	1/2 ⁺ @
2226.49 4	3/2 ⁺	2705.96? 9			

[†] From a least-squares fit by evaluators to the E_γ's except for the 35 and 144 levels which are rounded-off values from Adopted Levels levels and are fixed in the least-squares adjustment.

[‡] Rounded-off values from Adopted Levels.

From Adopted Levels.

@ s-wave capture by 0⁺ target.

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

E _γ [†]	I _γ ^{#&}	E _i (level)	J _i ^π	E _f	J _f ^π	Comments
176.30 5	4.38 6	321.082	9/2 ⁻	144.78	11/2 ⁻	
191.43 5	0.143 3	729.231	3/2 ⁺	537.836	(1/2 ⁺)	
193.3 [‡]		1265.13	3/2 ⁺ ,5/2 ⁺	1071.865	5/2 ⁻	
204.14 4	1.656 15	525.231	7/2 ⁻	321.082	9/2 ⁻	
208.09@ 5	0.087 3	671.458	5/2 ⁺	463.375	5/2 ⁺	
227.91@ 5	0.050 2	671.458	5/2 ⁺	443.554	3/2 ⁺	
247.67 5	0.396 5	1319.540	3/2 ⁻	1071.865	5/2 ⁻	
261.42 7	0.04 1	786.57	7/2 ⁻	525.231	7/2 ⁻	
264.34 12	0.021 3	1319.540	3/2 ⁻	1053.89	3/2 ⁺ ,5/2 ⁺	

I_γ: 1999Ho01 give the branching of 7.9 to 100 for 261-keV γ. 1998Ho16 give the intensity of 0.04 with uncertainty of 7.9 %. Branching of 7.9 in 1999Ho01 seems to be typo.

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$^{124}\text{Te}(n,\gamma)$ E=thermal **1999Ho01,1998Ho16,1997BoZW** (continued) $\gamma(^{125}\text{Te})$ (continued)

E_γ †	I_γ #&	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
$^{x}265.88$ 7	0.04 1					
285.37 ^b 5	$\leq 0.476^b$	729.231	3/2 ⁺	443.554	3/2 ⁺	E_γ : From 1998Ho16 .
285.37 ^b 5	$\leq 0.477^b$	1071.865	5/2 ⁻	786.57	7/2 ⁻	
321.06 6	0.100 4	642.17	7/2 ⁺	321.082	9/2 ⁻	
$^{x}326.99$ 9	0.04 1					
346.34 8	0.049 5	1017.73		671.458	5/2 ⁺	
$^{x}377.46$ 11	0.08 3					
380.44 5	7.74 5	525.231	7/2 ⁻	144.78	11/2 ⁻	
382.1 ‡		1053.89	3/2 ⁺ , 5/2 ⁺	671.458	5/2 ⁺	
$^{x}387.97$ 15	0.02 1					
394.63 @ 9	0.040 4	1066.31	3/2 ⁺ , 5/2 ⁺	671.458	5/2 ⁺	
403.86 9	0.134 16	1133.25	3/2 ⁺ , 5/2 ⁺	729.231	3/2 ⁺	
408.04 5	5.19 3	443.554	3/2 ⁺	35.49	3/2 ⁺	
411.55 22	0.16 5	1053.89	3/2 ⁺ , 5/2 ⁺	642.17	7/2 ⁺	
424.6 ‡		1066.31	3/2 ⁺ , 5/2 ⁺	642.17	7/2 ⁺	
427.85 5	6.36 3	463.375	5/2 ⁺	35.49	3/2 ⁺	
443.53 5	8.82 5	443.554	3/2 ⁺	0.0	1/2 ⁺	
449.18 9	0.03 1	1091.37	3/2 ⁺ , 5/2 ⁺	642.17	7/2 ⁺	
$^{x}455.40$ 10	0.02 1					
461.69 5	0.349 6	1133.25	3/2 ⁺ , 5/2 ⁺	671.458	5/2 ⁺	
463.35 5	2.340 7	463.375	5/2 ⁺	0.0	1/2 ⁺	
465.55 5	1.15 1	786.57	7/2 ⁻	321.082	9/2 ⁻	
$^{x}488.42$ 13	0.02 1					
490.94 ‡		1133.25	3/2 ⁺ , 5/2 ⁺	642.17	7/2 ⁺	I_γ : 0.06 with 5.1 % uncertainty (1998Ho16).
497.35 17	0.035 9	1133.25	3/2 ⁺ , 5/2 ⁺	635.95	7/2 ⁺	
502.30 5	3.306 13	537.836	(1/2 ⁺)	35.49	3/2 ⁺	
516.69 18	0.040 11	1053.89	3/2 ⁺ , 5/2 ⁺	537.836	(1/2 ⁺)	
$^{x}519.28$ 11	0.03 1					
528.63 5	0.424 6	1066.31	3/2 ⁺ , 5/2 ⁺	537.836	(1/2 ⁺)	
532.9 1	0.453 14	1319.540	3/2 ⁻	786.57	7/2 ⁻	
535.81 6	0.27 1	1322.33	5/2 ⁻ , 7/2 ⁻	786.57	7/2 ⁻	
537.79 5	5.83 2	537.836	(1/2 ⁺)	0.0	1/2 ⁺	
546.56 5	3.14 2	1071.865	5/2 ⁻	525.231	7/2 ⁻	
554.39 5	0.204 5	1017.73		463.375	5/2 ⁺	
556.73 5	0.127 5	1766.36	3/2 ⁻ , 5/2, 7/2 ⁺	1209.61	5/2 ⁻ , 7/2, 9/2	
$^{x}561.71$ 10	0.04 1					
$^{x}566.86$ 6	0.08 1					
571.37 6	0.094 5	1242.826	3/2 ⁺ , 5/2 ⁺	671.458	5/2 ⁺	
574.17 ^a 5	0.44 1	1017.73		443.554	3/2 ⁺	
574.17 ^a 5		1245.63?		671.458	5/2 ⁺	I_γ : 0.44 with 1.1 % uncertainty (1998Ho16).
580.43 7	0.041 4	1652.63	5/2 ⁺	1071.865	5/2 ⁻	
585.88 9	0.036 4	1652.63	5/2 ⁺	1066.31	3/2 ⁺ , 5/2 ⁺	
590.39 ^c 5	0.488 ^c 4	1053.89	3/2 ⁺ , 5/2 ⁺	463.375	5/2 ⁺	
590.39 ^c 5	0.284 ^c 3	1319.540	3/2 ⁻	729.231	3/2 ⁺	
593.58 7	0.086 6	1265.13	3/2 ⁺ , 5/2 ⁺	671.458	5/2 ⁺	
595.78 5	0.131 10	1133.25	3/2 ⁺ , 5/2 ⁺	537.836	(1/2 ⁺)	
600.58 5	1.77 2	635.95	7/2 ⁺	35.49	3/2 ⁺	
603.4 ‡	≈ 0.30	1066.31	3/2 ⁺ , 5/2 ⁺	463.375	5/2 ⁺	
606.70 5	1.08 2	642.17	7/2 ⁺	35.49	3/2 ⁺	
610.2 ‡		1245.63?		635.95	7/2 ⁺	
610.22 5	0.94 2	1053.89	3/2 ⁺ , 5/2 ⁺	443.554	3/2 ⁺	
$^{x}616.21$ 13	0.03 1					
622.88 ^a 5	0.59 1	1066.31	3/2 ⁺ , 5/2 ⁺	443.554	3/2 ⁺	

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$^{124}\text{Te}(n,\gamma)$ E=thermal **1999Ho01,1998Ho16,1997BoZW (continued)** $\gamma(^{125}\text{Te})$ (continued)

E_γ †	I_γ #&	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
622.88 ^a 5		1832.47	7/2 ⁺ ,9/2 ⁺	1209.61	5/2 ⁻ ,7/2,9/2	I_γ : 0.59 with 1.4 % uncertainty (1998Ho16).
626.47 21		1759.96	3/2 ⁺ ,5/2 ⁺	1133.25	3/2 ⁺ ,5/2 ⁺	I_γ : 0.03 with 26 % uncertainty (1998Ho16).
628.07 5	0.37 1	1699.87	3/2 ⁻	1071.865	5/2 ⁻	
628.4 ‡		1071.865	5/2 ⁻	443.554	3/2 ⁺	
629.63 ‡		1091.37	3/2 ⁺ ,5/2 ⁺	463.375	5/2 ⁺	
633.7 ‡		1766.36	3/2 ⁻ ,5/2,7/2 ⁺	1133.25	3/2 ⁺ ,5/2 ⁺	
635.91 5	4.15 3	671.458	5/2 ⁺	35.49	3/2 ⁺	
636.7 ‡		1956.706	3/2 ⁻	1319.540	3/2 ⁻	
637.7 ‡		1770.69		1133.25	3/2 ⁺ ,5/2 ⁺	
641.85 ^b 5	0.683 ^b 8	786.57	7/2 ⁻	144.78	11/2 ⁻	
641.85 ^{bd} 5	$\leq 0.68^b$	1314.5	7/2 ⁺ ,9/2 ⁺	671.458	5/2 ⁺	
648.01 9	0.045 4	1319.540	3/2 ⁻	671.458	5/2 ⁺	
671.43 5	0.676 6	671.458	5/2 ⁺	0.0	1/2 ⁺	
678.5 ‡		1314.5	7/2 ⁺ ,9/2 ⁺	635.95	7/2 ⁺	
684.40 6	0.147 6	1209.61	5/2 ⁻ ,7/2,9/2	525.231	7/2 ⁻	
686.67 8		1358.19	7/2 ⁺ ,9/2 ⁺	671.458	5/2 ⁺	I_γ : 0.07 with 7.5 % uncertainty (1998Ho16).
687.19 ‡		2009.40	3/2 ⁻	1322.33	5/2 ⁻ ,7/2 ⁻	
688.09 ‡ ^d		1133.25	3/2 ⁺ ,5/2 ⁺	443.554	3/2 ⁺	
693.72 5	5.73 3	729.231	3/2 ⁺	35.49	3/2 ⁺	
701.58 5	0.15 1	1911.17	3/2 ⁻ ,5/2,7/2 ⁺	1209.61	5/2 ⁻ ,7/2,9/2	
704.94 5	0.213 5	1242.826	3/2 ⁺ ,5/2 ⁺	537.836	(1/2 ⁺)	
705.8 ‡		1759.96	3/2 ⁺ ,5/2 ⁺	1053.89	3/2 ⁺ ,5/2 ⁺	
706.59 ‡		1435.91	5/2 ⁺	729.231	3/2 ⁺	
712.2 ‡		1766.36	3/2 ⁻ ,5/2,7/2 ⁺	1053.89	3/2 ⁺ ,5/2 ⁺	
716.24 15	0.03 1	1358.19	7/2 ⁺ ,9/2 ⁺	642.17	7/2 ⁺	
^x 721.24 10	0.10 1					
^x 724.83 17	0.04 1					
729.22 5	1.564 9	729.231	3/2 ⁺	0.0	1/2 ⁺	
^x 739.24 12	0.02 1					
750.68 5	0.615 7	1071.865	5/2 ⁻	321.082	9/2 ⁻	
764.34 10	0.046 5	1435.91	5/2 ⁺	671.458	5/2 ⁺	
766.71 8	0.066 4	2009.40	3/2 ⁻	1242.826	3/2 ⁺ ,5/2 ⁺	
771.64 10	0.041 5	1905.13	3/2 ⁺ ,5/2 ⁺	1133.25	3/2 ⁺ ,5/2 ⁺	
779.7 ‡		1242.826	3/2 ⁺ ,5/2 ⁺	463.375	5/2 ⁺	
781.84 5	<1.099	1319.540	3/2 ⁻	537.836	(1/2 ⁺)	
782.8 ‡		1245.63?		463.375	5/2 ⁺	
785.51 9		1995.18	9/2 ⁻	1209.61	5/2 ⁻ ,7/2,9/2	I_γ : 0.20 with 9.2 % uncertainty (1998Ho16).
786.4 ‡		2108.55	1/2 ⁻ ,3/2	1322.33	5/2 ⁻ ,7/2 ⁻	
794.22 5	3.02 1	1319.540	3/2 ⁻	525.231	7/2 ⁻	
797.11 5	0.080 1	1322.33	5/2 ⁻ ,7/2 ⁻	525.231	7/2 ⁻	
799.27 ^{ad} 11	0.112 10	1242.826	3/2 ⁺ ,5/2 ⁺	443.554	3/2 ⁺	
799.27 ^a 11		1865.19	3/2 ⁺ ,5/2 ⁺	1066.31	3/2 ⁺ ,5/2 ⁺	I_γ : 0.11 with 9.3 % uncertainty (1998Ho16).
799.27 ^a 11		1932.76	5/2 ⁻ ,7/2 ⁻	1133.25	3/2 ⁺ ,5/2 ⁺	I_γ : 0.11 with 9.3 % uncertainty (1998Ho16).
801.17 13	<0.044	1529.506	3/2 ⁺ ,5/2 ⁺	729.231	3/2 ⁺	
^x 809.94 9	0.04 1					
^x 818.38 8	0.04 1					
821.58 6	0.114 5	1265.13	3/2 ⁺ ,5/2 ⁺	443.554	3/2 ⁺	
^x 823.88 9	0.05 1					
^x 827.82 9	0.03 1					
839.19 9	0.087 7	1911.17	3/2 ⁻ ,5/2,7/2 ⁺	1071.865	5/2 ⁻	
^x 840.75 21	0.04 1					

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$^{124}\text{Te}(n,\gamma)$ E=thermal **1999Ho01,1998Ho16,1997BoZW (continued)** $\gamma(^{125}\text{Te})$ (continued)

E_γ †	I_γ ‡&	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
^x 850.28 23	0.03 1					
851.87 18	0.040 6	2060.89	3/2 ⁺ ,5/2 ⁺	1209.61	5/2 ⁻ ,7/2,9/2	
^x 856.18 5	0.36 1					
858.46 13	0.040 6	1587.36	1/2 ⁺	729.231	3/2 ⁺	
866.33 ‡ 10		1652.63	5/2 ⁺	786.57	7/2 ⁻	I_γ : 0.06 with 10 % uncertainty (1998Ho16).
875.85 8	0.088 6	1319.540	3/2 ⁻	443.554	3/2 ⁺	
^x 878.28 10	0.04 1					
881.74 10	0.051 5	2204.19		1322.33	5/2 ⁻ ,7/2 ⁻	
884.94 6	0.132 6	1956.706	3/2 ⁻	1071.865	5/2 ⁻	
887.11 6	0.225 9	1529.506	3/2 ⁺ ,5/2 ⁺	642.17	7/2 ⁺	
888.56 5	0.77 1	1209.61	5/2 ⁻ ,7/2,9/2	321.082	9/2 ⁻	
894.78 24	0.020 5	1529.506	3/2 ⁺ ,5/2 ⁺	635.95	7/2 ⁺	
903.18 10	0.052 6	1956.706	3/2 ⁻	1053.89	3/2 ⁺ ,5/2 ⁺	
907.31 10	0.054 5	1978.76	1/2 ⁻ ,3/2	1071.865	5/2 ⁻	
911.04 18	0.031 6	1435.91	5/2 ⁺	525.231	7/2 ⁻	
913.13 6	0.141 6	1699.87	3/2 ⁻	786.57	7/2 ⁻	
915.95 15		1932.76	5/2 ⁻ ,7/2 ⁻	1017.73		I_γ : 0.03 with 18 % uncertainty (1998Ho16).
923.29 ^a 5	0.29 1	1652.63	5/2 ⁺	729.231	3/2 ⁺	
923.29 ^a 5		1995.18	9/2 ⁻	1071.865	5/2 ⁻	I_γ : 0.29 with 2.4 % uncertainty (1998Ho16).
^x 931.25 17	0.04 1					
937.47 5	0.303 7	2009.40	3/2 ⁻	1071.865	5/2 ⁻	
940.94 6	0.189 8	1670.25	(3/2 ⁺ ,5/2 ⁺)	729.231	3/2 ⁺	
^x 950.24 24	0.03 1					
972.51 14	0.076 10	1435.91	5/2 ⁺	463.375	5/2 ⁺	
975.41 6	0.15 1	2047.28?	1/2 ⁻ ,3/2 ⁻	1071.865	5/2 ⁻	
979.84 9	0.105 9	1766.36	3/2 ⁻ ,5/2,7/2 ⁺	786.57	7/2 ⁻	
981.71 9	0.084 7	1652.63	5/2 ⁺	671.458	5/2 ⁺	
984.33 5	0.29 1	1713.55	1/2 ⁺	729.231	3/2 ⁺	
992.39 9	0.101 8	1435.91	5/2 ⁺	443.554	3/2 ⁺	
995.44 @ 11	0.053 7	2049.29	3/2 ⁺ ,5/2,7/2 ⁺	1053.89	3/2 ⁺ ,5/2 ⁺	
998.49 7	0.126 7	1670.25	(3/2 ⁺ ,5/2 ⁺)	671.458	5/2 ⁺	
1001.30 6	0.161 6	1322.33	5/2 ⁻ ,7/2 ⁻	321.082	9/2 ⁻	
1005.2 1	0.070 7	2076.98	1/2 ⁻ ,3/2,5/2 ⁺	1071.865	5/2 ⁻	
1010.53 12	<0.053	1652.63	5/2 ⁺	642.17	7/2 ⁺	
^x 1014.53 10	0.03 1					
1018.36 @ 5	0.313 7	1053.89	3/2 ⁺ ,5/2 ⁺	35.49	3/2 ⁺	
^x 1027.52 23	0.03 1					
1029.33 17	0.066 8	1699.87	3/2 ⁻	671.458	5/2 ⁺	
1030.92 5		1759.96	3/2 ⁺ ,5/2 ⁺	729.231	3/2 ⁺	I_γ : 0.61 with 1.3 % uncertainty (1998Ho16).
1034.0 ‡		1670.25	(3/2 ⁺ ,5/2 ⁺)	635.95	7/2 ⁺	
1036.73 5	0.39 1	2108.55	1/2 ⁻ ,3/2	1071.865	5/2 ⁻	
1042.12 6	0.189 7	1713.55	1/2 ⁺	671.458	5/2 ⁺	
1045.52 15	0.039 9	2311.53?	1/2 ⁺ ,3/2,5/2 ⁺	1265.13	3/2 ⁺ ,5/2 ⁺	
1049.35 15	0.050 9	2292.55?		1242.826	3/2 ⁺ ,5/2 ⁺	
^x 1054.19 7	0.06 1					
1057.50 ^b 9	0.09 ^b 1	1520.88?		463.375	5/2 ⁺	
1057.50 ^b 9	0.089 ^b 7	2129.64	1/2 ⁻ ,3/2	1071.865	5/2 ⁻	
1066.29 ^a 5	≤0.66	1066.31	3/2 ⁺ ,5/2 ⁺	0.0	1/2 ⁺	
1066.29 ^a 5		1529.506	3/2 ⁺ ,5/2 ⁺	463.375	5/2 ⁺	
1078.24 9	0.08 1	2149.62	(1/2 ⁻ ,3/2,5/2 ⁺)	1071.865	5/2 ⁻	
1086.05 3	0.286 12	1529.506	3/2 ⁺ ,5/2 ⁺	443.554	3/2 ⁺	
1087.36 ^a		1759.96	3/2 ⁺ ,5/2 ⁺	671.458	5/2 ⁺	
1087.36 ^a		2410.00		1322.33	5/2 ⁻ ,7/2 ⁻	

Continued on next page (footnotes at end of table)

¹²⁴Te(n,γ) E=thermal **1999Ho01,1998Ho16,1997BoZW (continued)**

γ(¹²⁵Te) (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>Comments</u>
1090.3 [‡]		1732.5	7/2 ⁺ ,9/2 ⁺	642.17	7/2 ⁺	
^x 1092.88 <i>12</i>	0.06 <i>1</i>					
1096.06 <i>10</i>	0.060 <i>11</i>	2415.63	1/2 ⁺ ,3/2,5/2 ⁺	1319.540	3/2 ⁻	
1097.63 <i>5</i>	1.13 <i>1</i>	1133.25	3/2 ⁺ ,5/2 ⁺	35.49	3/2 ⁺	
1115.23 <i>9</i>	0.072 <i>6</i>	1652.63	5/2 ⁺	537.836	(1/2 ⁺)	
1118.0 [‡]		1759.96	3/2 ⁺ ,5/2 ⁺	642.17	7/2 ⁺	
1123.28 <i>10</i>		1759.96	3/2 ⁺ ,5/2 ⁺	635.95	7/2 ⁺	I _γ : 0.06 with 10 % uncertainty (1998Ho16). keV γ.
1127.3 <i>5</i>	<0.067	1652.63	5/2 ⁺	525.231	7/2 ⁻	
^x 1130.53 <i>11</i>	0.06 <i>1</i>					
1132.37 ^c <i>3</i>	0.147 ^c <i>5</i>	1670.25	(3/2 ⁺ ,5/2 ⁺)	537.836	(1/2 ⁺)	
1132.37 ^c <i>6</i>	<0.12 ^c	2204.19		1071.865	5/2 ⁻	
1137.28 <i>11</i>	0.06 <i>1</i>	1580.84?		443.554	3/2 ⁺	
^x 1139.61 <i>8</i>	0.06 <i>1</i>					
1140.4 [‡]		2351.38		1209.61	5/2 ⁻ ,7/2,9/2	
1143.91 <i>8</i>	0.095 <i>6</i>	1587.36	1/2 ⁺	443.554	3/2 ⁺	
^x 1147.94 <i>17</i>	0.04 <i>1</i>					
^x 1150.25 <i>22</i>	0.03 <i>1</i>					
^x 1158.85 <i>14</i>	0.07 <i>1</i>					
1160.78 ^a <i>10</i>		1832.47	7/2 ⁺ ,9/2 ⁺	671.458	5/2 ⁺	I _γ : 0.10 with 8.4 % uncertainty (1998Ho16).
1160.78 ^a <i>10</i>	<0.065	2226.49	3/2 ⁺	1066.31	3/2 ⁺ ,5/2 ⁺	
1170.42 ^a <i>10</i>		1899.21	3/2 ⁺ ,5/2,7/2 ⁺	729.231	3/2 ⁺	I _γ : 0.11 with 8.0 % uncertainty (1998Ho16).
1170.42 ^a <i>10</i>	0.113 <i>9</i>	1956.706	3/2 ⁻	786.57	7/2 ⁻	
1175.46 ^a <i>6</i>	<0.209	1905.13	3/2 ⁺ ,5/2 ⁺	729.231	3/2 ⁺	
1175.46 ^a <i>6</i>		2247.29	1/2 ⁻ ,3/2,5/2 ⁺	1071.865	5/2 ⁻	I _γ : 0.21 with 3.3 % uncertainty (1998Ho16).
1182.65 <i>9</i>	0.082 <i>6</i>	2315.58	(3/2,5/2 ⁺)	1133.25	3/2 ⁺ ,5/2 ⁺	
1189.28 <i>7</i>	0.124 <i>9</i>	1918.59	3/2 ⁺ ,5/2 ⁺	729.231	3/2 ⁺	
^x 1194.81 <i>14</i>	0.06 <i>1</i>					
^x 1199.98 <i>16</i>	0.12 <i>2</i>					
1207.29 [@] <i>5</i>	≤1.12	1242.826	3/2 ⁺ ,5/2 ⁺	35.49	3/2 ⁺	
1209.59 <i>18</i>	0.059 <i>8</i>	1652.63	5/2 ⁺	443.554	3/2 ⁺	
^x 1211.91 <i>15</i>	0.06 <i>1</i>					
^x 1218.43 <i>9</i>	0.06 <i>1</i>					
^x 1225.19 <i>10</i>	0.05 <i>1</i>					
1227.10 ^b <i>6</i>	0.26 ^b <i>1</i>	1670.25	(3/2 ⁺ ,5/2 ⁺)	443.554	3/2 ⁺	
1227.10 ^b <i>6</i>	<0.259 ^b	1956.706	3/2 ⁻	729.231	3/2 ⁺	
1229.67 <i>5</i>	0.87 <i>1</i>	1265.13	3/2 ⁺ ,5/2 ⁺	35.49	3/2 ⁺	
1233.13 <i>15</i>	<0.050	2251.15	(1/2,3/2,5/2 ⁺)	1017.73		
1237.18 <i>5</i>	0.35 <i>1</i>	1775.02?		537.836	(1/2 ⁺)	
^x 1241.11 <i>10</i>	0.12 <i>1</i>					
1242.92 [@] <i>5</i>	0.440 <i>10</i>	1242.826	3/2 ⁺ ,5/2 ⁺	0.0	1/2 ⁺	
1244.12 [‡]		2315.58	(3/2,5/2 ⁺)	1071.865	5/2 ⁻	
1247.7 <i>3</i>	0.018 <i>8</i>	1918.59	3/2 ⁺ ,5/2 ⁺	671.458	5/2 ⁺	
^x 1251.00 <i>19</i>	0.04 <i>1</i>					
1255.4 <i>3</i>	0.038 <i>10</i>	1699.87	3/2 ⁻	443.554	3/2 ⁺	
1258.3 [‡]		1899.21	3/2 ⁺ ,5/2,7/2 ⁺	642.17	7/2 ⁺	I _γ : 0.07 with 15 % uncertainty for 1257.07 (1998Ho16).
1261.00 ^a <i>12</i>		1932.76	5/2 ⁻ ,7/2 ⁻	671.458	5/2 ⁺	I _γ : 0.17 with 16 % uncertainty (1998Ho16).
1261.00 ^a <i>12</i>	<0.165	2315.58	(3/2,5/2 ⁺)	1053.89	3/2 ⁺ ,5/2 ⁺	
1262.15 <i>18</i>	0.16 <i>4</i>	1991.36?	1/2 ⁺	729.231	3/2 ⁺	
1263.9 [‡]		1899.21	3/2 ⁺ ,5/2,7/2 ⁺	635.95	7/2 ⁺	I _γ : 0.08 with 8.0 % uncertainty for 1264.91 (1998Ho16).

Continued on next page (footnotes at end of table)

$^{124}\text{Te}(n,\gamma)$ E=thermal **1999Ho01,1998Ho16,1997BoZW (continued)** $\gamma(^{125}\text{Te})$ (continued)

E_γ †	I_γ #&	E_i (level)	J_i^π	E_f	J_f^π	Comments
1269.94 ^b 6	0.231 ^b 7	1713.55	1/2 ⁺	443.554	3/2 ⁺	
1269.94 ^b 6	<0.229 ^b	1905.13	3/2 ⁺ ,5/2 ⁺	635.95	7/2 ⁺	
1274.60 18	0.022 7	2292.55?		1017.73		
1276.1 ‡		1813.10	3/2 ⁺ ,5/2 ⁺	537.836	(1/2 ⁺)	
1284.22 ^b 9	<0.453 ^b	1319.540	3/2 ⁻	35.49	3/2 ⁺	
1284.22 ^b 9	<0.450 ^b	1956.706	3/2 ⁻	671.458	5/2 ⁺	
^x 1286.6 3	0.13 3					
1288.3 ‡		2607.06	1/2 ⁻ ,3/2,5/2 ⁺	1319.540	3/2 ⁻	
1296.7 ^a 5		1759.96	3/2 ⁺ ,5/2 ⁺	463.375	5/2 ⁺	I_γ : 0.13 with 24 % uncertainty (1998Ho16). γ .
1296.7 ^a 5		1932.76	5/2 ⁻ ,7/2 ⁻	635.95	7/2 ⁺	I_γ : 0.13 with 24 % uncertainty (1998Ho16).
1298.4 ‡		2351.38		1053.89	3/2 ⁺ ,5/2 ⁺	
1307.26 ^a 5		1770.69		463.375	5/2 ⁺	I_γ : 0.55 with 1.6 % uncertainty (1998Ho16).
1307.26 ^a 5		1832.47	7/2 ⁺ ,9/2 ⁺	525.231	7/2 ⁻	I_γ : 0.55 with 1.6 % uncertainty (1998Ho16).
1319.53 ^a 7	≤0.353	1319.540	3/2 ⁻	0.0	1/2 ⁺	
1319.53 ^a 7		2049.29	3/2 ⁺ ,5/2,7/2 ⁺	729.231	3/2 ⁺	I_γ : 0.36 with 5.1 % uncertainty (1998Ho16).
1322.79 12	0.19 2	1766.36	3/2 ⁻ ,5/2,7/2 ⁺	443.554	3/2 ⁺	
1327.20 ^a 11	0.27 2	1770.69		443.554	3/2 ⁺	
1327.20 ^a 11		1865.19	3/2 ⁺ ,5/2 ⁺	537.836	(1/2 ⁺)	I_γ : 0.27 with 8.6 % uncertainty (1998Ho16).
1327.2 ^a 1	0.27 2	1969.38?	7/2 ⁺ ,9/2 ⁺	642.17	7/2 ⁺	
1330.4 ‡		2650.00	3/2 ⁻	1319.540	3/2 ⁻	
1331.39 ‡		2060.89	3/2 ⁺ ,5/2 ⁺	729.231	3/2 ⁺	
1338.06 ^a 6	<0.205	2009.40	3/2 ⁻	671.458	5/2 ⁺	
1338.06 ^a 6		2410.00		1071.865	5/2 ⁻	I_γ : 0.21 with 4.4 % uncertainty (1998Ho16).
^x 1342.35 12	0.07 1					
^x 1347.94 18	0.07 1					
1349.71 ^a 7		1813.10	3/2 ⁺ ,5/2 ⁺	463.375	5/2 ⁺	I_γ : 0.25 with 4.4 % uncertainty (1998Ho16).
1349.71 ^a 7		2021.36	3/2 ⁺ ,5/2,7/2 ⁺	671.458	5/2 ⁺	I_γ : 0.25 with 4.4 % uncertainty (1998Ho16).
1367.17 7	0.155 8	1905.13	3/2 ⁺ ,5/2 ⁺	537.836	(1/2 ⁺)	
1378.66 9	0.140 11	2049.29	3/2 ⁺ ,5/2,7/2 ⁺	671.458	5/2 ⁺	
1381.1 ‡ 11		1918.59	3/2 ⁺ ,5/2 ⁺	537.836	(1/2 ⁺)	I_γ : 0.08 with 10 % uncertainty (1998Ho16).
1384.8 ‡		2021.36	3/2 ⁺ ,5/2,7/2 ⁺	635.95	7/2 ⁺	
1385.82 9	0.115 21	1911.17	3/2 ⁻ ,5/2,7/2 ⁺	525.231	7/2 ⁻	
1388.19 21	<0.046	2060.89	3/2 ⁺ ,5/2 ⁺	671.458	5/2 ⁺	
^x 1395.41 17	0.06 1					
1397.49 9	0.13 1	2068.94?		671.458	5/2 ⁺	
1400.40 @ 5	0.51 1	1435.91	5/2 ⁺	35.49	3/2 ⁺	
1412.60 ^b 10	<0.112 ^b	2049.29	3/2 ⁺ ,5/2,7/2 ⁺	635.95	7/2 ⁺	
1412.60 ^b 10	<0.112 ^b	2466.52	1/2 ⁺ ,3/2,5/2 ⁺	1053.89	3/2 ⁺ ,5/2 ⁺	
1418.89 5	0.599 11	1956.706	3/2 ⁻	537.836	(1/2 ⁺)	
1421.57 9	0.178 10	1865.19	3/2 ⁺ ,5/2 ⁺	443.554	3/2 ⁺	
1422.8 ‡		2495.66	3/2,5/2,7/2 ⁺	1071.865	5/2 ⁻	
1424.86 20	0.064 17	2060.89	3/2 ⁺ ,5/2 ⁺	635.95	7/2 ⁺	
1435.91 ^b 10	0.052 ^b 14	1899.21	3/2 ⁺ ,5/2,7/2 ⁺	463.375	5/2 ⁺	
1435.91 ^b 10	<0.050 ^b	2568.20	1/2 ⁺ ,3/2,5/2 ⁺	1133.25	3/2 ⁺ ,5/2 ⁺	
^x 1437.61 7	0.13 1					
1440.94 5	<0.490	1978.76	1/2 ⁻ ,3/2	537.836	(1/2 ⁺)	
1448.16 14	<0.108	1911.17	3/2 ⁻ ,5/2,7/2 ⁺	463.375	5/2 ⁺	
1452.91 11		2181.93	1/2 ⁺ ,3/2,5/2 ⁺	729.231	3/2 ⁺	I_γ : 0.11 with 11 % uncertainty (1998Ho16).
1455.42 7	0.222 11	1899.21	3/2 ⁺ ,5/2,7/2 ⁺	443.554	3/2 ⁺	
1461.36 ^a 5	<0.347	1905.13	3/2 ⁺ ,5/2 ⁺	443.554	3/2 ⁺	

Continued on next page (footnotes at end of table)

$^{124}\text{Te}(n,\gamma)$ E=thermal **1999Ho01,1998Ho16,1997BoZW** (continued) $\gamma(^{125}\text{Te})$ (continued)

E_γ †	I_γ #&	E_i (level)	J_i^π	E_f	J_f^π	Comments
1461.36 ^a 5		2132.77	3/2 ⁺ ,5/2,7/2 ⁺	671.458	5/2 ⁺	I_γ : 0.35 with 2.0 % uncertainty (1998Ho16).
^x 1466.00 20	0.06 1					
1470.6 ^a 2		1995.18	9/2 ⁻	525.231	7/2 ⁻	I_γ : 0.03 with 34 % uncertainty (1998Ho16).
1470.64 ^a 20	0.031 10	2009.40	3/2 ⁻	537.836	(1/2 ⁺)	
1473.7 [‡]		2145.68		671.458	5/2 ⁺	
1475.03 6	0.24 1	1918.59	3/2 ⁺ ,5/2 ⁺	443.554	3/2 ⁺	
1477.8 2	0.051 10	2550.41	3/2	1071.865	5/2 ⁻	
1493.30 ^b 6	0.78 ^b 3	1529.506	3/2 ⁺ ,5/2 ⁺	35.49	3/2 ⁺	
1493.30 ^b 6	0.78 ^b 3	1956.706	3/2 ⁻	463.375	5/2 ⁺	
^x 1494.70 9	0.37 3					
1495.8 [‡]		2132.77	3/2 ⁺ ,5/2,7/2 ⁺	635.95	7/2 ⁺	
1497.72 11	0.110 10	2226.49	3/2 ⁺	729.231	3/2 ⁺	
1503.49 ^b 11	<0.08 ^b	2176.05?	1/2 ⁺ ,3/2,5/2 ⁺	671.458	5/2 ⁺	
1503.49 ^b 11	<0.08 ^b	2231.92		729.231	3/2 ⁺	
^x 1509.29 19	0.10 1					
1510.4 [‡] 3		2181.93	1/2 ⁺ ,3/2,5/2 ⁺	671.458	5/2 ⁺	I_γ : 0.08 with 15 % uncertainty (1998Ho16).
1513.33 6	0.475 13	1956.706	3/2 ⁻	443.554	3/2 ⁺	
1515.71 15	0.080 10	2650.00	3/2 ⁻	1133.25	3/2 ⁺ ,5/2 ⁺	
1522.38 ^b 11	<0.078 ^b	2060.89	3/2 ⁺ ,5/2 ⁺	537.836	(1/2 ⁺)	
1522.38 ^b 11	<0.080 ^b	2251.15	(1/2,3/2,5/2 ⁺)	729.231	3/2 ⁺	
1529.89 [‡]		1529.506	3/2 ⁺ ,5/2 ⁺	0.0	1/2 ⁺	
1535.02 ^b 11	<0.115 ^b	1978.76	1/2 ⁻ ,3/2	443.554	3/2 ⁺	
1535.02 ^b 6	0.112 ^b 11	2607.06	1/2 ⁻ ,3/2,5/2 ⁺	1071.865	5/2 ⁻	
1538.70 19	0.07 1	1982.26?	5/2 ⁻	443.554	3/2 ⁺	
1541.4 3	0.049 10	2270.90	3/2 ⁻	729.231	3/2 ⁺	
1545.76 13	0.093 10	2009.40	3/2 ⁻	463.375	5/2 ⁺	
1547.03 [‡]		1991.36?	1/2 ⁺	443.554	3/2 ⁺	
1549.16 ^a 8	0.23 1	2087.01?	(1/2,3/2,5/2 ⁺)	537.836	(1/2 ⁺)	
1549.16 ^a 8		2220.22	3/2 ⁺ ,5/2,7/2 ⁺	671.458	5/2 ⁺	I_γ : 0.23 with 4.9 % uncertainty (1998Ho16).
1551.76 18	0.077 4	1587.36	1/2 ⁺	35.49	3/2 ⁺	
1554.84 6	0.36 1	2226.49	3/2 ⁺	671.458	5/2 ⁺	
1565.91 11	0.098 8	2009.40	3/2 ⁻	443.554	3/2 ⁺	
^x 1575.28 24	0.04 1					
1578.04 ^a 8		2021.36	3/2 ⁺ ,5/2,7/2 ⁺	443.554	3/2 ⁺	I_γ : 0.28 with 5.0 % uncertainty (1998Ho16).
1578.04 ^a 8		2220.22	3/2 ⁺ ,5/2,7/2 ⁺	642.17	7/2 ⁺	I_γ : 0.28 with 5.0 % uncertainty (1998Ho16).
1578.04 ^a 8	0.290 15	2650.00	3/2 ⁻	1071.865	5/2 ⁻	
1579.71 16	0.100 14	2251.15	(1/2,3/2,5/2 ⁺)	671.458	5/2 ⁺	
1582.99 ^a 14		2220.22	3/2 ⁺ ,5/2,7/2 ⁺	635.95	7/2 ⁺	I_γ : 0.13 with 12 % uncertainty (1998Ho16).
1582.99 ^a 14	<0.136	2311.53?	1/2 ⁺ ,3/2,5/2 ⁺	729.231	3/2 ⁺	
1584.60 ^b 13	0.159 ^b 15	2313.72	1/2,3/2,5/2 ⁺	729.231	3/2 ⁺	
1584.60 ^b 13	<0.160 ^b	2650.00	3/2 ⁻	1066.31	3/2 ⁺ ,5/2 ⁺	
1585.5 [‡]		2049.29	3/2 ⁺ ,5/2,7/2 ⁺	463.375	5/2 ⁺	
1587.27 5	0.73 1	1587.36	1/2 ⁺	0.0	1/2 ⁺	
1590.0 [‡]		2226.49	3/2 ⁺	635.95	7/2 ⁺	
1591.84 8	0.118 8	2129.64	1/2 ⁻ ,3/2	537.836	(1/2 ⁺)	
1595.7 [‡]		2729.24	1/2,3/2,5/2 ⁺	1133.25	3/2 ⁺ ,5/2 ⁺	
1597.13 [‡]		2060.89	3/2 ⁺ ,5/2 ⁺	463.375	5/2 ⁺	
1599.60 7	0.165 8	2270.90	3/2 ⁻	671.458	5/2 ⁺	E_γ : 1998Ho16 gives 1598.93.
1605.99 6	0.27 1	2049.29	3/2 ⁺ ,5/2,7/2 ⁺	443.554	3/2 ⁺	
1611.56 24	0.084 17	2149.62	(1/2 ⁻ ,3/2,5/2 ⁺)	537.836	(1/2 ⁺)	

Continued on next page (footnotes at end of table)

$^{124}\text{Te}(n,\gamma)$ E=thermal **1999Ho01,1998Ho16,1997BoZW** (continued) $\gamma(^{125}\text{Te})$ (continued)

E_γ †	I_γ ‡&	E_i (level)	J_i^π	E_f	J_f^π	Comments
1617.51 5	0.50 1	2060.89	3/2 ⁺ ,5/2 ⁺	443.554	3/2 ⁺	
1621.59 9	<0.198	2351.38		729.231	3/2 ⁺	
1623.56	0.057	2068.94?		443.554	3/2 ⁺	
^x 1631.91 18	0.06 1					
1634.5 [@] 3	0.053 9	1670.25	(3/2 ⁺ ,5/2 ⁺)	35.49	3/2 ⁺	
^x 1637.02 12	0.09 1					
^x 1641.32 24	0.05 1					
1643.80 9	0.195 11	2181.93	1/2 ⁺ ,3/2,5/2 ⁺	537.836	(1/2 ⁺)	
^x 1645.78 12	0.13 1					
1650.30 8	0.17 1	2379.71	1/2 ⁺ ,3/2,5/2 ⁺	729.231	3/2 ⁺	
1656.87 11	0.10 1	2292.55?		635.95	7/2 ⁺	
1664.74 11	0.115 9	2108.55	1/2 ⁻ ,3/2	443.554	3/2 ⁺	
1668.6 [‡]		2132.77	3/2 ⁺ ,5/2,7/2 ⁺	463.375	5/2 ⁺	I_γ : 1999Ho01 give the branching of 100. 0.32 with 2.9 % uncertainty for 1669.89 6 (1998Ho16).
1669.9 3	0.229 7	1670.25	(3/2 ⁺ ,5/2 ⁺)	0.0	1/2 ⁺	
1678.17 14	0.149 15	1713.55	1/2 ⁺	35.49	3/2 ⁺	
1680.09 15	0.19 1	2351.38		671.458	5/2 ⁺	
1682.31 17	0.10 1	2145.68		463.375	5/2 ⁺	
1686.18 ^a 6	<0.358	2129.64	1/2 ⁻ ,3/2	443.554	3/2 ⁺	
1686.18 ^a 3		2149.62	(1/2 ⁻ ,3/2,5/2 ⁺)	463.375	5/2 ⁺	I_γ : 0.36 with 3.3 % uncertainty (1998Ho16).
1686.49		2415.63	1/2 ⁺ ,3/2,5/2 ⁺	729.231	3/2 ⁺	
1688.45 18		2132.77	3/2 ⁺ ,5/2,7/2 ⁺	443.554	3/2 ⁺	I_γ : 0.10 with 13 % uncertainty (1998Ho16).
1698.54 [@] 11	0.30 4	2770.78	3/2 ⁻	1071.865	5/2 ⁻	
1699.87 11		3021.57	3/2	1322.33	5/2 ⁻ ,7/2 ⁻	I_γ : 0.30 with 12 % uncertainty (1998Ho16).
^x 1705.44 9	0.10 1					
1708.90 10	<0.119	2379.71	1/2 ⁺ ,3/2,5/2 ⁺	671.458	5/2 ⁺	
1709.99 10	<0.117	2438.98	(3/2 ⁻ ,5/2 ⁺)	729.231	3/2 ⁺	
1713.43 ^a 8	<0.120	1713.55	1/2 ⁺	0.0	1/2 ⁺	
1713.43 ^a 8		2251.15	(1/2,3/2,5/2 ⁺)	537.836	(1/2 ⁺)	I_γ : 0.37 with 4.3 % uncertainty (1998Ho16).
1713.43 ^a 8		2384.83?		671.458	5/2 ⁺	I_γ : 0.37 with 4.3 % uncertainty (1998Ho16).
1713.43 ^a 8		2785.58	3/2	1071.865	5/2 ⁻	I_γ : 0.37 with 4.3 % uncertainty (1998Ho16).
^x 1729.48 22	0.05 1					
1732.87 ^a 7		2176.05?	1/2 ⁺ ,3/2,5/2 ⁺	443.554	3/2 ⁺	I_γ : 0.31 with 3.9 % uncertainty (1998Ho16).
1732.87 ^a 7	<0.208	2270.90	3/2 ⁻	537.836	(1/2 ⁺)	
1735.39 [@] 13	0.120 11	1770.69		35.49	3/2 ⁺	
1738.41 7	0.24 1	2181.93	1/2 ⁺ ,3/2,5/2 ⁺	443.554	3/2 ⁺	
1744.05 8	0.18 1	2415.63	1/2 ⁺ ,3/2,5/2 ⁺	671.458	5/2 ⁺	
^x 1748.97 11	0.07 1					
^x 1753.08 15	0.05 1					
^x 1756.62 8	0.13 1					
1760.59 9	0.12 1	2204.19		443.554	3/2 ⁺	
1763.35 9	0.094 7	2226.49	3/2 ⁺	463.375	5/2 ⁺	
^x 1766.18 9	0.14 1					
1768.03 18	0.033 7	2438.98	(3/2 ⁻ ,5/2 ⁺)	671.458	5/2 ⁺	
^x 1775.32 13	0.09 1					
1777.95 [‡] 10		2315.58	(3/2,5/2 ⁺)	537.836	(1/2 ⁺)	I_γ : 0.10 with 30 % uncertainty (1998Ho16).
1782.81 8	0.136 10	2226.49	3/2 ⁺	443.554	3/2 ⁺	
1788.02 7	0.20 1	2231.92		443.554	3/2 ⁺	
1795.12 9	0.19 1	2466.52	1/2 ⁺ ,3/2,5/2 ⁺	671.458	5/2 ⁺	
1799.3 1	0.12 1	2528.76?		729.231	3/2 ⁺	
1802.1 [‡]		2247.29	1/2 ⁻ ,3/2,5/2 ⁺	443.554	3/2 ⁺	
1807.22 9	0.12 1	2251.15	(1/2,3/2,5/2 ⁺)	443.554	3/2 ⁺	
^x 1827.28 13	0.10 1					
1829.68 ^a 5	<0.22	1865.19	3/2 ⁺ ,5/2 ⁺	35.49	3/2 ⁺	

Continued on next page (footnotes at end of table)

$^{124}\text{Te}(n,\gamma)$ E=thermal **1999Ho01,1998Ho16,1997BoZW (continued)** $\gamma(^{125}\text{Te})$ (continued)

E_γ †	I_γ ‡&	E_i (level)	J_i^π	E_f	J_f^π	Comments
1829.68 ^a 9		3072.51		1242.826	3/2 ⁺ ,5/2 ⁺	I_γ : 0.22 with 4.6 % uncertainty (1998Ho16).
1832.17 20	0.070 9	2560.96?	1/2,3/2,5/2 ⁺	729.231	3/2 ⁺	
1834.81 8		2372.93	(1/2 ⁺ ,3/2,5/2 ⁺)	537.836	(1/2 ⁺)	I_γ : 0.17 with 5.5 % uncertainty (1998Ho16).
1838.42 12	0.080 10	2568.20	1/2 ⁺ ,3/2,5/2 ⁺	729.231	3/2 ⁺	
1841.51 9	0.102 11	2379.71	1/2 ⁺ ,3/2,5/2 ⁺	537.836	(1/2 ⁺)	
^x 1844.86 14	0.07 1					
1847.3 [‡]		2311.53?	1/2 ⁺ ,3/2,5/2 ⁺	463.375	5/2 ⁺	I_γ : 0.07 with 16 % uncertainty (1998Ho16).
1851.54 9		2522.46?	3/2 ⁻	671.458	5/2 ⁺	I_γ : 0.15 with 7.9 % uncertainty (1998Ho16).
1852.23 [‡]		2315.58	(3/2,5/2 ⁺)	463.375	5/2 ⁺	
^x 1855.4 3	0.06 1					
1857.71 14	0.108 12	2528.76?		671.458	5/2 ⁺	
1863.64 9	0.38 3	1899.21	3/2 ⁺ ,5/2,7/2 ⁺	35.49	3/2 ⁺	
1865.10 8	0.43 3	1865.19	3/2 ⁺ ,5/2 ⁺	0.0	1/2 ⁺	
^x 1868.25 16	0.15 2					
1870.03 15	0.228 15	2313.72	1/2,3/2,5/2 ⁺	443.554	3/2 ⁺	
1872.00 17	0.11 1	2315.58	(3/2,5/2 ⁺)	443.554	3/2 ⁺	
1878.5 ^a 3	0.11 3	2607.06	1/2 ⁻ ,3/2,5/2 ⁺	729.231	3/2 ⁺	
1878.5 ^a 3		2952.13?		1071.865	5/2 ⁻	I_γ : 0.11 with 27 % uncertainty (1998Ho16).
1882.45 [@] 10	0.133 12	1918.59	3/2 ⁺ ,5/2 ⁺	35.49	3/2 ⁺	
^x 1886.24 15	0.07 1					
1888.41 ^a 12		2351.38		463.375	5/2 ⁺	I_γ : 0.15 with 7.9 % uncertainty (1998Ho16).
1888.41 ^a 12	<0.150	3208.35	1/2,3/2	1319.540	3/2 ⁻	
^x 1897.09 9	0.18 1					
1899.5 3	0.073 17	2438.98	(3/2 ⁻ ,5/2 ⁺)	537.836	(1/2 ⁺)	
1905.38 8	0.38 2	1905.13	3/2 ⁺ ,5/2 ⁺	0.0	1/2 ⁺	
1908.26 13	0.164 11	2351.38		443.554	3/2 ⁺	
1910.50 15		2372.93	(1/2 ⁺ ,3/2,5/2 ⁺)	463.375	5/2 ⁺	I_γ : 0.14 with 8.0 % uncertainty (1998Ho16).
^x 1913.09 11	0.13 1					
1916.0 [‡]		2379.71	1/2 ⁺ ,3/2,5/2 ⁺	463.375	5/2 ⁺	
1919.55 [@] 12	0.220 14	1918.59	3/2 ⁺ ,5/2 ⁺	0.0	1/2 ⁺	
1921.59 ^a 9	<0.433	1956.706	3/2 ⁻	35.49	3/2 ⁺	
1921.59 ^a 9		2384.83?		463.375	5/2 ⁺	I_γ : 0.42 with 3.2 % uncertainty (1998Ho16).
1921.59 ^a 9	<0.436	2650.00	3/2 ⁻	729.231	3/2 ⁺	
^x 1926.73 19	0.06 1					
1928.9 1	0.120 4	2466.52	1/2 ⁺ ,3/2,5/2 ⁺	537.836	(1/2 ⁺)	
1929.1		2372.93	(1/2 ⁺ ,3/2,5/2 ⁺)	443.554	3/2 ⁺	
^x 1933.20 9	0.17 1					
1935.7 2	0.068 12	2379.71	1/2 ⁺ ,3/2,5/2 ⁺	443.554	3/2 ⁺	
^x 1939.16 9	0.12 1					
1942.8 1	0.100 10	1978.76	1/2 ⁻ ,3/2	35.49	3/2 ⁺	
1947.3 [‡]		2410.00		463.375	5/2 ⁺	
1949.3 [‡]		3021.57	3/2	1071.865	5/2 ⁻	
1950.2 1		2591.93?		642.17	7/2 ⁺	I_γ : 0.08 with 20 % uncertainty (1998Ho16).
^x 1954.01 15	0.11 1					
1956.73 5	2.76 1	1956.706	3/2 ⁻	0.0	1/2 ⁺	
^x 1960.04 9	0.16 1					
^x 1967.16 17	0.06 1					
1971.59 13	0.110 9	3291.25?		1319.540	3/2 ⁻	
1973.92 9	0.191 10	2009.40	3/2 ⁻	35.49	3/2 ⁺	
1978.76 5	0.50 1	1978.76	1/2 ⁻ ,3/2	0.0	1/2 ⁺	
^x 1984.88 13	0.11 1					
^x 1990.79 20	0.16 3					
^x 1992.9 3	0.15 3					

Continued on next page (footnotes at end of table)

$^{124}\text{Te}(n,\gamma)$ E=thermal **1999Ho01,1998Ho16,1997BoZW** (continued)

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

E_γ †	I_γ #&	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
$^x1994.6$ 3	0.12 3					
2002.63 15	0.114 15	2466.52	1/2 ⁺ ,3/2,5/2 ⁺	463.375	5/2 ⁺	
2009.28 10	1.53 2	2009.40	3/2 ⁻	0.0	1/2 ⁺	
2014.16 22	0.098 22	2550.41	3/2	537.836	(1/2 ⁺)	
2018.25 17	0.06 1	2689.90?		671.458	5/2 ⁺	
2022.92 13	0.132 9	2466.52	1/2 ⁺ ,3/2,5/2 ⁺	443.554	3/2 ⁺	
2025.52 19	0.076 9	2060.89	3/2 ⁺ ,5/2 ⁺	35.49	3/2 ⁺	
2032.13 10	0.090 8	2495.66	3/2,5/2,7/2 ⁺	463.375	5/2 ⁺	
$^x2039.28$ 18	0.10 1					
2041.46 ^b 16	0.158 ^b 12	2076.98	1/2 ⁻ ,3/2,5/2 ⁺	35.49	3/2 ⁺	
2041.46 ^b 16	<0.11 ^b	2504.76?		463.375	5/2 ⁺	
$^x2044.34$ 21	0.08 1					
2047.27 11	0.41 1	2586.02	1/2,3/2	537.836	(1/2 ⁺)	
2049.6 5	0.040 10	2495.66	3/2,5/2,7/2 ⁺	443.554	3/2 ⁺	
$^x2052.27$ 13	0.15 1					
$^x2058.8$ 3	0.07 2					
2060.67 ^b 11	<0.110 ^b	2060.89	3/2 ⁺ ,5/2 ⁺	0.0	1/2 ⁺	
2060.67 ^b 21	0.11 ^b 2	2504.76?		443.554	3/2 ⁺	
$^x2066.08$ 25	0.08 1					
$^x2068.01$ 17	0.15 1					
2070.68 11	0.31 1	3142.34	3/2	1071.865	5/2 ⁻	
2073.07 11	0.266 10	2108.55	1/2 ⁻ ,3/2	35.49	3/2 ⁺	
2077.04 ^a 10	0.49 1	2076.98	1/2 ⁻ ,3/2,5/2 ⁺	0.0	1/2 ⁺	
2077.04 ^{ad} 10		2522.46?	3/2 ⁻	443.554	3/2 ⁺	I_γ : 0.49 with 2.7 % uncertainty (1998Ho16).
2086.99 13	0.120 8	2550.41	3/2	463.375	5/2 ⁺	
2094.09 10	0.56 1	2129.64	1/2 ⁻ ,3/2	35.49	3/2 ⁺	
$^x2098.58$ 18	0.05 1					
2103.37 ^a 16	<0.120	2568.20	1/2 ⁺ ,3/2,5/2 ⁺	463.375	5/2 ⁺	
2103.37 ^a 16		3174.48	1/2 ⁻ ,3/2	1071.865	5/2 ⁻	I_γ : 0.12 with 9.9 % uncertainty (1998Ho16).
2106.25 19	0.13 1	2550.41	3/2	443.554	3/2 ⁺	
2108.41 13	0.248 15	2108.55	1/2 ⁻ ,3/2	0.0	1/2 ⁺	
$^x2111.41$ 17	0.10 1					
2122.4	0.085	2586.02	1/2,3/2	463.375	5/2 ⁺	
2124.66 ^b 15	<0.130 ^b	2568.20	1/2 ⁺ ,3/2,5/2 ⁺	443.554	3/2 ⁺	
2124.66 ^b 15	<0.131 ^b	2650.00	3/2 ⁻	525.231	7/2 ⁻	
2128.1 1		2591.93?		463.375	5/2 ⁺	I_γ : 0.11 with 9.2 % uncertainty (1998Ho16).
2141.76 13	0.230 19	2586.02	1/2,3/2	443.554	3/2 ⁺	
2146.69 [@] 23	0.052 9	2181.93	1/2 ⁺ ,3/2,5/2 ⁺	35.49	3/2 ⁺	
2148.9 [‡]	0.050	2819.52?		671.458	5/2 ⁺	
$^x2151.79$ 16	0.21 2					
$^x2161.23$ 24	0.08 1					
$^x2163.17$ 26	0.07 1					
$^x2168.81$ 16	0.09 1					
$^x2173.76$ 20	0.06 1					
2176.37 [@] 16	0.08 1	2176.05?	1/2 ⁺ ,3/2,5/2 ⁺	0.0	1/2 ⁺	
2182.41 [@] 20	0.097 12	2181.93	1/2 ⁺ ,3/2,5/2 ⁺	0.0	1/2 ⁺	
2184.7 3		2220.22	3/2 ⁺ ,5/2,7/2 ⁺	35.49	3/2 ⁺	I_γ : 0.08 with 16 % uncertainty (1998Ho16).
2186.69 11	0.36 2	2650.00	3/2 ⁻	463.375	5/2 ⁺	
2190.71 ^a 11	0.211 9	2226.49	3/2 ⁺	35.49	3/2 ⁺	
2190.71 ^a 11		2729.24	1/2,3/2,5/2 ⁺	537.836	(1/2 ⁺)	I_γ : 0.21 with 4.3 % uncertainty (1998Ho16).
$^x2193.85$ 24	0.05 1					
2204.84 16	0.100 13	2650.00	3/2 ⁻	443.554	3/2 ⁺	
$^x2208.43$ 21	0.07 1					

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¹²⁴Te(n,γ) E=thermal **1999Ho01,1998Ho16,1997BoZW (continued)**

γ(¹²⁵Te) (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>Comments</u>
^x 2211.25 13	0.15 2					
2215.9 3	0.10 2	2754.48?	(1/2,3/2,5/2 ⁺)	537.836	(1/2 ⁺)	
^x 2218.4 3	0.10 2					
^x 2227.29 21	0.11 2					
2233.01 21	0.080 11	2770.78	3/2 ⁻	537.836	(1/2 ⁺)	
2235.56 12	0.26 1	2270.90	3/2 ⁻	35.49	3/2 ⁺	
2245.30 19	0.110 14	2974.99		729.231	3/2 ⁺	
2247.15 16		2247.29	1/2 ⁻ ,3/2,5/2 ⁺	0.0	1/2 ⁺	I _γ : 0.13 with 11 % uncertainty (1998Ho16).
^x 2252.0 2	0.04 1					
2262.6	0.03	2990.90	1/2 ⁺ ,3/2,5/2 ⁺	729.231	3/2 ⁺	
^x 2268.2 4	0.04 1					
2270.49 17	0.130 11	2270.90	3/2 ⁻	0.0	1/2 ⁺	
2273.36 18	0.120 10	3002.05		729.231	3/2 ⁺	
2275.7 [@] 3	0.076 10	2311.53?	1/2 ⁺ ,3/2,5/2 ⁺	35.49	3/2 ⁺	
2278.17 20	0.067 9	2313.72	1/2,3/2,5/2 ⁺	35.49	3/2 ⁺	
^x 2281.2 2	0.10 1					
^x 2283.16 18	0.13 1					
^x 2288.65 18	0.16 1					
2291.32 20	0.080 9	3021.57	3/2	729.231	3/2 ⁺	
^x 2296.1 3	0.06 1					
2302.6 1	<0.130	2974.99		671.458	5/2 ⁺	
^x 2305.51 13	0.18 1					
2308.51 20	0.100 11	2770.78	3/2 ⁻	463.375	5/2 ⁺	
2310.6 [@] 3	0.08 1	2311.53?	1/2 ⁺ ,3/2,5/2 ⁺	0.0	1/2 ⁺	
2313.68 11	0.34 1	2313.72	1/2,3/2,5/2 ⁺	0.0	1/2 ⁺	
2316.2 3	0.110 20	2351.38		35.49	3/2 ⁺	
2317.9 3	0.090 22	2990.90	1/2 ⁺ ,3/2,5/2 ⁺	671.458	5/2 ⁺	
2321.6 [‡]		2785.58	3/2	463.375	5/2 ⁺	
^x 2328.1 2	0.10 2					
2330.27 20	0.17 1	3002.05		671.458	5/2 ⁺	
2333.01 12	0.31 1	2776.42?		443.554	3/2 ⁺	
^x 2335.84 17	0.12 1					
2338.2		2802.06?	1/2 ⁺ ,3/2,5/2 ⁺	463.375	5/2 ⁺	
^x 2342.24 17	0.11 1					
^x 2345.2 3	0.07 1					
2348.17 [@] 20	0.06 1	2384.83?		35.49	3/2 ⁺	
2351.75 13		2814.33?		463.375	5/2 ⁺	I _γ : 0.16 with 5.7 % uncertainty (1998Ho16).
2355.65 18	0.080 5	2819.52?		463.375	5/2 ⁺	
2370.18 12		2814.33?		443.554	3/2 ⁺	I _γ : 0.23 with 4.0 % uncertainty (1998Ho16).
^x 2378.1 3	0.07 2					
2380.00 ^a 13		2379.71	1/2 ⁺ ,3/2,5/2 ⁺	0.0	1/2 ⁺	I _γ : 0.25 with 6.0 % uncertainty (1998Ho16).
2380.00 ^a 13		2415.63	1/2 ⁺ ,3/2,5/2 ⁺	35.49	3/2 ⁺	I _γ : 0.25 with 6.0 % uncertainty (1998Ho16).
^x 2383.05 15	0.13 1					
^x 2393.6 2	0.07 1					
^x 2396.92 13	0.15 1					
2400.50 20	0.13 1	3072.51		671.458	5/2 ⁺	
2402.90 16	0.32 2	2438.98	(3/2 ⁻ ,5/2 ⁺)	35.49	3/2 ⁺	
^x 2408.34 16	0.11 1					
2415.34 [@] 16	0.080 9	2415.63	1/2 ⁺ ,3/2,5/2 ⁺	0.0	1/2 ⁺	
^x 2419.44 11	0.23 1					
^x 2422.54 15	0.15 1					
^x 2425.1 2	0.09 1					
^x 2428.0 3	0.08 1					
2430.4 5	0.13 5	2466.52	1/2 ⁺ ,3/2,5/2 ⁺	35.49	3/2 ⁺	
2434.95 ^a 21	<0.08	2898.15?	1/2 ⁺ ,3/2,5/2 ⁺	463.375	5/2 ⁺	

Continued on next page (footnotes at end of table)

$^{124}\text{Te}(n,\gamma)$ E=thermal **1999Ho01,1998Ho16,1997BoZW (continued)** $\gamma(^{125}\text{Te})$ (continued)

E_γ †	I_γ #&	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
2434.95 ^a 21		3106.48	1/2 ⁺ ,3/2	671.458	5/2 ⁺	I _γ : 0.08 with 13 % uncertainty (1998Ho16).
2454.17 15	0.100 9	3183.99	1/2,3/2,5/2 ⁺	729.231	3/2 ⁺	
^x 2458.4 2	0.10 1					
2460.77 13	0.21 1	2495.66	3/2,5/2,7/2 ⁺	35.49	3/2 ⁺	
2467.03 13	0.128 12	2466.52	1/2 ⁺ ,3/2,5/2 ⁺	0.0	1/2 ⁺	
2469.6 2		2504.76?		35.49	3/2 ⁺	I _γ : 0.11 with 11 % uncertainty (1998Ho16).
^x 2475.07 13	0.28 2					
^x 2477.0 3	0.10 2					
^x 2480.14 12	0.21 1					
2483.8 3	0.060 16	3021.57	3/2	537.836	(1/2 ⁺)	
2485.8 [@] 5		2522.46?	3/2 ⁻	35.49	3/2 ⁺	I _γ : 0.05 with 30 % uncertainty (1998Ho16).
2492.29 ^a 12		2937.07?		443.554	3/2 ⁺	I _γ : 0.17 with 4.7 % uncertainty (1998Ho16).
2492.29 ^a 12	0.17 1	3563.83?		1071.865	5/2 ⁻	
^x 2495.38 11	0.19 1					
^x 2500.5 3	0.04 1					
^x 2509.1 3	0.09 2					
2510.92 15	0.18 2	2974.99		463.375	5/2 ⁺	
2514.62 13	0.117 9	2550.41	3/2	35.49	3/2 ⁺	
^x 2518.56 16	0.08 1					
2521.8 1		2522.46?	3/2 ⁻	0.0	1/2 ⁺	I _γ : 0.23 with 3.5 % uncertainty (1998Ho16).
^x 2525.04 14	0.18 1					
2527.19 12	0.24 1	2990.90	1/2 ⁺ ,3/2,5/2 ⁺	463.375	5/2 ⁺	
2532.81 11	0.24 1	2568.20	1/2 ⁺ ,3/2,5/2 ⁺	35.49	3/2 ⁺	
2539.40 23	0.050 11	3002.05		463.375	5/2 ⁺	
2547.2	0.06	2990.90	1/2 ⁺ ,3/2,5/2 ⁺	443.554	3/2 ⁺	
2550.78 ^a 10		2550.41	3/2	0.0	1/2 ⁺	I _γ : 0.39 with 2.6 % uncertainty (1998Ho16).
2550.78 ^a 10		2586.02	1/2,3/2	35.49	3/2 ⁺	I _γ : 0.39 with 2.6 % uncertainty (1998Ho16).
^x 2554.71 14	0.15 1					
2557.38 13	0.22 1	3021.57	3/2	463.375	5/2 ⁺	
2560.66 17	0.10 1	2560.96?	1/2,3/2,5/2 ⁺	0.0	1/2 ⁺	
^x 2566.1 2	0.10 1					
2568.21 13	<0.198	2568.20	1/2 ⁺ ,3/2,5/2 ⁺	0.0	1/2 ⁺	
2568.72 13		3106.48	1/2 ⁺ ,3/2	537.836	(1/2 ⁺)	I _γ : 0.20 with 6.0 % uncertainty (1998Ho16).
2571.92 16	0.109 10	2607.06	1/2 ⁻ ,3/2,5/2 ⁺	35.49	3/2 ⁺	
^x 2577.85 14	0.13 1					
^x 2580.72 11	0.20 1					
^x 2589.81 23	0.11 1					
^x 2593.55 15	0.16 1					
^x 2597.50 15	0.16 1					
2607.01 12	0.19 1	2607.06	1/2 ⁻ ,3/2,5/2 ⁺	0.0	1/2 ⁺	
^x 2609.64 10	0.45 2					
2614.26 12	0.17 3	2650.00	3/2 ⁻	35.49	3/2 ⁺	
^x 2616.2 3	0.09 2					
^x 2630.64 21	0.06 1					
^x 2633.53 20	0.10 1					
2644.59 20	0.17 2	3106.48	1/2 ⁺ ,3/2	463.375	5/2 ⁺	
2649.90 [‡]		2650.00	3/2 ⁻	0.0	1/2 ⁺	
^x 2659.3 4	0.06 1					
2662.78 18	0.110 15	3106.48	1/2 ⁺ ,3/2	443.554	3/2 ⁺	
2670.59 12	0.19 1	2705.96?		35.49	3/2 ⁺	
^x 2674.24 10	0.35 1					
^x 2678.43 11	0.27 1					
^x 2683.07 18	0.08 1					
^x 2692.80 18	0.19 2					
^x 2696.62 23	0.21 3					

Continued on next page (footnotes at end of table)

$^{124}\text{Te}(n,\gamma)$ E=thermal **1999Ho01,1998Ho16,1997BoZW (continued)** $\gamma(^{125}\text{Te})$ (continued)

E_γ †	I_γ #&	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
2699.01 20	0.26 3	3142.34	3/2	443.554	3/2 ⁺	
^x 2705.6 3	0.09 2					
2716.33 12	0.12 1	2751.81?	1/2 ⁻ ,3/2 ⁻	35.49	3/2 ⁺	
^x 2719.82 11	0.13 1					
2730.55 ^a 15		2729.24	1/2,3/2,5/2 ⁺	0.0	1/2 ⁺	I_γ : 0.31 with 8.0 % uncertainty (1998Ho16).
2730.55 ^a 15		3174.48	1/2 ⁻ ,3/2	443.554	3/2 ⁺	I_γ : 0.31 with 8.0 % uncertainty (1998Ho16).
2735.48 17	0.150 14	2770.78	3/2 ⁻	35.49	3/2 ⁺	
2740.78	0.128	3183.99	1/2,3/2,5/2 ⁺	443.554	3/2 ⁺	
2751.1 ^a 4	<0.053	2751.81?	1/2 ⁻ ,3/2 ⁻	0.0	1/2 ⁺	
2751.1 ^a 4		2785.58	3/2	35.49	3/2 ⁺	I_γ : 0.07 with 23 % uncertainty (1998Ho16).
2763.4 [‡]		3208.35	1/2,3/2	443.554	3/2 ⁺	
^x 2767.26 15	0.05 1					
2770.45 15	0.100 7	2770.78	3/2 ⁻	0.0	1/2 ⁺	
^x 2781.83 21	0.09 1					
2784.34 23	0.09 1	2819.52?		35.49	3/2 ⁺	
2786.30		2785.58	3/2	0.0	1/2 ⁺	I_γ : 0.09 with 14 % uncertainty for 2784.34 (1998Ho16).
^x 2792.92 15	0.14 1					
^x 2799.30 14	0.16 1					
2801.9 2		2802.06?	1/2 ⁺ ,3/2,5/2 ⁺	0.0	1/2 ⁺	I_γ : 0.12 with 7.6 % uncertainty for 2801.88 (1998Ho16).
^x 2814.15 18	0.08 1					
^x 2827.67 11	0.20 1					
^x 2846.27 12	0.23 1					
^x 2854.18 15	0.16 1					
^x 2862.65 10	0.25 1					
^x 2869.4 3	0.06 1					
^x 2873.58 20	0.05 1					
^x 2876.93 15	0.17 1					
^x 2885.0 3	0.05 1					
^x 2893.97 11	0.16 1					
2898.00 10	0.16 1	2898.15?	1/2 ⁺ ,3/2,5/2 ⁺	0.0	1/2 ⁺	
2902.38 15	0.12 1	2937.07?		35.49	3/2 ⁺	
^x 2906.1 3	0.05 1					
^x 2914.07 21	0.08 1					
2916.87 10		2952.13?		35.49	3/2 ⁺	I_γ : 0.24 with 4.7 % uncertainty (1998Ho16).
^x 2922.25 23	0.05 1					
^x 2925.67 15	0.09 1					
^x 2933.18 20	0.20 2					
^x 2935.34 15	0.25 2					
2939.98 11	0.045 12	2974.99		35.49	3/2 ⁺	
^x 2943.5 3	0.06 1					
2956.05 10		2990.90	1/2 ⁺ ,3/2,5/2 ⁺	35.49	3/2 ⁺	I_γ : 0.50 with 2.4 % uncertainty (1998Ho16).
^x 2964.55 15	0.18 1					
^x 2969.92 20	0.08 1					
^x 2977.3 4	0.07 1					
^x 2980.38 15	0.19 1					
2986.37 15	0.180 11	3021.57	3/2	35.49	3/2 ⁺	
2990.02 15	0.116 12	2990.90	1/2 ⁺ ,3/2,5/2 ⁺	0.0	1/2 ⁺	
3005.68 12	0.119 7	6569.171	1/2 ⁺	3563.83?		E_γ : From 1998Ho16. The value of 3006.68 in 1999Ho01 seems to be misprinted.
3014.40 11	0.279 11	6569.171	1/2 ⁺	3554.74		
3022.27 20	0.090 12	3021.57	3/2	0.0	1/2 ⁺	
3036.76 ^c 11	0.077 ^c	3072.51		35.49	3/2 ⁺	I_γ : 0.22 with 11 % uncertainty (1998Ho16).
3036.76 ^c 11	<0.220 ^c	6569.171	1/2 ⁺	3532.25		
^x 3043.69 21	0.12 2					
^x 3057.33 12	0.10 1					

Continued on next page (footnotes at end of table)

¹²⁴Te(n,γ) E=thermal **1999Ho01,1998Ho16,1997BoZW (continued)**

γ(¹²⁵Te) (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>Comments</u>
^x 3068.27 11	0.24 1					
^x 3078.01 21	0.10 1					
^x 3080.73 14	0.19 1					
3089.2 3		3532.25		443.554	3/2 ⁺	
3092.10 20	0.140 17	3554.74		463.375	5/2 ⁺	I _γ : 0.10 with 14 % uncertainty (1998Ho16).
^x 3096.24 20	0.12 2					
^x 3101.5 3	0.06 1					
3106.41 ^a 10		3106.48	1/2 ⁺ ,3/2	0.0	1/2 ⁺	
3106.41 ^a 10	<0.250	3142.34	3/2	35.49	3/2 ⁺	I _γ : 1998Ho16 gives 0.25 with 3.9 % uncertainty.
^x 3120.63 20	0.11 1					
^x 3125.85 11	0.27 1					
^x 3130.61 20	0.06 2					
3138.67 ^a 10		3174.48	1/2 ⁻ ,3/2	35.49	3/2 ⁺	
3138.67 ^a 10	<0.470	6569.171	1/2 ⁺	3430.26	1/2 ⁻ ,3/2 ⁻	I _γ : 0.47 with 2.5 % uncertainty (1998Ho16).
3142.48 18	0.150 12	3142.34	3/2	0.0	1/2 ⁺	
^x 3164.78 14	0.15 1					
^x 3168.28 12	0.06 1					
3174.07 15	0.090 13	3208.35	1/2,3/2	35.49	3/2 ⁺	
^x 3180.3 4	0.04 1					
3184.20 15	0.15 1	3183.99	1/2,3/2,5/2 ⁺	0.0	1/2 ⁺	
^x 3192.7 3	0.05 1					
3207.84 14	0.14 1	3208.35	1/2,3/2	0.0	1/2 ⁺	
^x 3210.89 12	0.17 1					
^x 3219.0 1	0.34 1					
^x 3223.75 18	0.15 1					
^x 3238.39 15	0.10 2					
^x 3242.0 4	0.07 1					
^x 3251.81 12	0.18 1					
^x 3263.91 15	0.09 1					
3278.4 1	0.288 10	6569.171	1/2 ⁺	3291.25?		
3291.8 1	0.15 1	3291.25?		0.0	1/2 ⁺	
^x 3301.58 15	0.12 1					
^x 3311.9 1	0.13 1					
^x 3332.68 23	0.13 1					
^x 3336.25 17	0.17 1					
^x 3345.3 3	0.05 1					
^x 3350.26 12	0.16 1					
3360.8 1	0.541 11	6569.171	1/2 ⁺	3208.35	1/2,3/2	
^x 3373.86 14	0.11 1					
^x 3378.66 18	0.07 1					
3385.0 1	0.241 7	6569.171	1/2 ⁺	3183.99	1/2,3/2,5/2 ⁺	
3394.48 ^a 11		3430.26	1/2 ⁻ ,3/2 ⁻	35.49	3/2 ⁺	
3394.48 ^a 11	0.474 16	6569.171	1/2 ⁺	3174.48	1/2 ⁻ ,3/2	I _γ : 0.48 with 3.4 % uncertainty (1998Ho16).
^x 3405.6 3	0.08 1					
3426.7 1	0.423 9	6569.171	1/2 ⁺	3142.34	3/2	
3430.5		3430.26	1/2 ⁻ ,3/2 ⁻	0.0	1/2 ⁺	
^x 3432.09 20	0.07 1					
^x 3459.06 18	0.15 1					
3463.0 1	0.613 14	6569.171	1/2 ⁺	3106.48	1/2 ⁺ ,3/2	
3496.54 ^a 10		3532.25		35.49	3/2 ⁺	
3496.54 ^a 5	0.271 8	6569.171	1/2 ⁺	3072.51		I _γ : 0.27 with 3.0 % uncertainty (1998Ho16).
^x 3501.63 12	0.17 1					
3519.2 [‡]		3554.74		35.49	3/2 ⁺	
3547.7 1	0.580 17	6569.171	1/2 ⁺	3021.57	3/2	
3554.28 15	0.25 2	3554.74		0.0	1/2 ⁺	

Continued on next page (footnotes at end of table)

$^{124}\text{Te}(n,\gamma)$ E=thermal 1999Ho01,1998Ho16,1997BoZW (continued) $\gamma(^{125}\text{Te})$ (continued)

E_γ †	I_γ #&	$E_i(\text{level})$	J_i^π	E_f	J_f^π
3564.9		3563.83?		0.0	1/2 ⁺
3567.3 1	0.254 20	6569.171	1/2 ⁺	3002.05	
^x 3574.6 5	0.09 2				
3577.9 2	0.237 22	6569.171	1/2 ⁺	2990.90	1/2 ⁺ ,3/2,5/2 ⁺
3594.2 7	0.068 20	6569.171	1/2 ⁺	2974.99	
3617.14 14	0.161 8	6569.171	1/2 ⁺	2952.13?	
3630.2 2	0.080 8	6569.171	1/2 ⁺	2937.07?	
^x 3648.32 13	0.18 1				
^x 3652.24 20	0.10 1				
^x 3660.9 3	0.04 1				
^x 3665.1 3	0.04 1				
3670.7 2	0.080 6	6569.171	1/2 ⁺	2898.15?	1/2 ⁺ ,3/2,5/2 ⁺
^x 3696.30 15	0.05 1				
^x 3706.35 12	0.06 1				
^x 3713.4 3	0.05 1				
^x 3745.3 4	0.07 1				
3749.48 12	0.241 7	6569.171	1/2 ⁺	2819.52?	
3755.1 2	0.072 6	6569.171	1/2 ⁺	2814.33?	
3766.9 2	0.046 5	6569.171	1/2 ⁺	2802.06?	1/2 ⁺ ,3/2,5/2 ⁺
^x 3779.4 5	0.07 1				
3782.98 16	0.440 25	6569.171	1/2 ⁺	2785.58	3/2
3793.37 24	0.102 14	6569.171	1/2 ⁺	2776.42?	
3798.26 12	0.406 13	6569.171	1/2 ⁺	2770.78	3/2 ⁻
3813.9 3	0.080 9	6569.171	1/2 ⁺	2754.48?	(1/2,3/2,5/2 ⁺)
3817.2 3	0.072 8	6569.171	1/2 ⁺	2751.81?	1/2 ⁻ ,3/2 ⁻
3839.46 21	0.161 16	6569.171	1/2 ⁺	2729.24	1/2,3/2,5/2 ⁺
3863.33 13	0.118 6	6569.171	1/2 ⁺	2705.96?	
3879.01 18	0.127 8	6569.171	1/2 ⁺	2689.90?	
^x 3890.57 12	0.12 1				
^x 3894.67 11	0.21 1				
3919.33 10	0.867 12	6569.171	1/2 ⁺	2650.00	3/2 ⁻
3961.57 14	0.317 23	6569.171	1/2 ⁺	2607.06	1/2 ⁻ ,3/2,5/2 ⁺
3979.18	0.093	6569.171	1/2 ⁺	2591.93?	
3982.95 4	0.491 9	6569.171	1/2 ⁺	2586.02	1/2,3/2
4001.12 11	0.415 12	6569.171	1/2 ⁺	2568.20	1/2 ⁺ ,3/2,5/2 ⁺
4008.22 18	0.097 10	6569.171	1/2 ⁺	2560.96?	1/2,3/2,5/2 ⁺
4018.97 12	0.461 15	6569.171	1/2 ⁺	2550.41	3/2
4064.8	0.042	6569.171	1/2 ⁺	2504.76?	
4074.6 3	0.072 10	6569.171	1/2 ⁺	2495.66	3/2,5/2,7/2 ⁺
4102.72 10	0.190 10	6569.171	1/2 ⁺	2466.52	1/2 ⁺ ,3/2,5/2 ⁺
4130.2 3	0.047 7	6569.171	1/2 ⁺	2438.98	(3/2 ⁻ ,5/2 ⁺)
4153.1 1	0.068 7	6569.171	1/2 ⁺	2415.63	1/2 ⁺ ,3/2,5/2 ⁺
4159.0 2	0.059 6	6569.171	1/2 ⁺	2410.00	
^x 4164.03 26	0.05 1				
4189.45 13	0.343 14	6569.171	1/2 ⁺	2379.71	1/2 ⁺ ,3/2,5/2 ⁺
4217.7 3	0.250 9	6569.171	1/2 ⁺	2351.38	
4253.77 13	0.228 8	6569.171	1/2 ⁺	2315.58	(3/2,5/2 ⁺)
4258.4	0.076	6569.171	1/2 ⁺	2311.53?	1/2 ⁺ ,3/2,5/2 ⁺
4297.9 2	0.089 7	6569.171	1/2 ⁺	2270.90	3/2 ⁻
4318.0 3	0.051 7	6569.171	1/2 ⁺	2251.15	(1/2,3/2,5/2 ⁺)
4322.4 3	0.072 7	6569.171	1/2 ⁺	2247.29	1/2 ⁻ ,3/2,5/2 ⁺
4343.04 11	0.613 12	6569.171	1/2 ⁺	2226.49	3/2 ⁺
4348.8	0.085	6569.171	1/2 ⁺	2220.22	3/2 ⁺ ,5/2,7/2 ⁺
4364.7 3	0.051 9	6569.171	1/2 ⁺	2204.19	
4387.33 14	0.059 7	6569.171	1/2 ⁺	2181.93	1/2 ⁺ ,3/2,5/2 ⁺
4393.1 3	0.038 5	6569.171	1/2 ⁺	2176.05?	1/2 ⁺ ,3/2,5/2 ⁺

Continued on next page (footnotes at end of table)

$^{124}\text{Te}(n,\gamma)$ E=thermal **1999Ho01,1998Ho16,1997BoZW** (continued) $\gamma(^{125}\text{Te})$ (continued)

E_γ^\dagger	$I_\gamma \# \&$	$E_i(\text{level})$	J_i^π	E_f	J_f^π
^x 4422.52 24	0.03 1				
4439.48 11	0.495 11	6569.171	1/2 ⁺	2129.64	1/2 ⁻ ,3/2
4460.44 11	0.668 13	6569.171	1/2 ⁺	2108.55	1/2 ⁻ ,3/2
4492.27 10	0.250 6	6569.171	1/2 ⁺	2076.98	1/2 ⁻ ,3/2,5/2 ⁺
4508.14 11	0.224 6	6569.171	1/2 ⁺	2060.89	3/2 ⁺ ,5/2 ⁺
4519.9 3	0.034 5	6569.171	1/2 ⁺	2049.29	3/2 ⁺ ,5/2,7/2 ⁺
4559.65 10	1.75 3	6569.171	1/2 ⁺	2009.40	3/2 ⁻
4590.27 11	0.618 11	6569.171	1/2 ⁺	1978.76	1/2 ⁻ ,3/2
4612.23 11	4.23 9	6569.171	1/2 ⁺	1956.706	3/2 ⁻
4663.93 13	0.152 7	6569.171	1/2 ⁺	1905.13	3/2 ⁺ ,5/2 ⁺
4669.97 18	0.076 6	6569.171	1/2 ⁺	1899.21	3/2 ⁺ ,5/2,7/2 ⁺
4703.84 14	0.135 7	6569.171	1/2 ⁺	1865.19	3/2 ⁺ ,5/2 ⁺
4809.3 6	0.068 20	6569.171	1/2 ⁺	1759.96	3/2 ⁺ ,5/2 ⁺
4855.54 11	0.220 5	6569.171	1/2 ⁺	1713.55	1/2 ⁺
4869.8 7	0.021 6	6569.171	1/2 ⁺	1699.87	3/2 ⁻
4898.62 15	0.068 9	6569.171	1/2 ⁺	1670.25	(3/2 ⁺ ,5/2 ⁺)
4916.42 17	0.089 8	6569.171	1/2 ⁺	1652.63	5/2 ⁺
4981.70 12	0.224 7	6569.171	1/2 ⁺	1587.36	1/2 ⁺
5039.53 13	0.140 6	6569.171	1/2 ⁺	1529.506	3/2 ⁺ ,5/2 ⁺
^x 5133.5 5	0.02 1				
5249.40 10	3.66 5	6569.171	1/2 ⁺	1319.540	3/2 ⁻
5303.89 16	0.135 8	6569.171	1/2 ⁺	1265.13	3/2 ⁺ ,5/2 ⁺
5325.9 6	0.072 10	6569.171	1/2 ⁺	1242.826	3/2 ⁺ ,5/2 ⁺
5502.4 2	0.080 20	6569.171	1/2 ⁺	1066.31	3/2 ⁺ ,5/2 ⁺
^x 5514.2 2	0.10 2				
5839.80 11	1.78 4	6569.171	1/2 ⁺	729.231	3/2 ⁺
6031.0 4	0.31 5	6569.171	1/2 ⁺	537.836	(1/2 ⁺)
6125.58 10	1.146 11	6569.171	1/2 ⁺	443.554	3/2 ⁺
6533.74 11	3.23 7	6569.171	1/2 ⁺	35.49	3/2 ⁺
6569.25 11	1.61 3	6569.171	1/2 ⁺	0.0	1/2 ⁺

[†] From 1999Ho01. Uncertainties from 1998Ho16. Unplaced γ 's are from 1998Ho16.

[‡] Observed only in coincidence. Uncertainties are not given.

[#] Strongest γ in each level is from 1998Ho16. Other γ 's intensities are derived from branching ratios in 1999Ho01 with uncertainties in 1998Ho16 excepting unplaced γ 's whose intensities are from 1998Ho16.

[@] Placement on energy relation only.

[&] Intensity per 100 neutron captures.

^a Multiply placed.

^b Multiply placed with undivided intensity.

^c Multiply placed with intensity suitably divided.

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

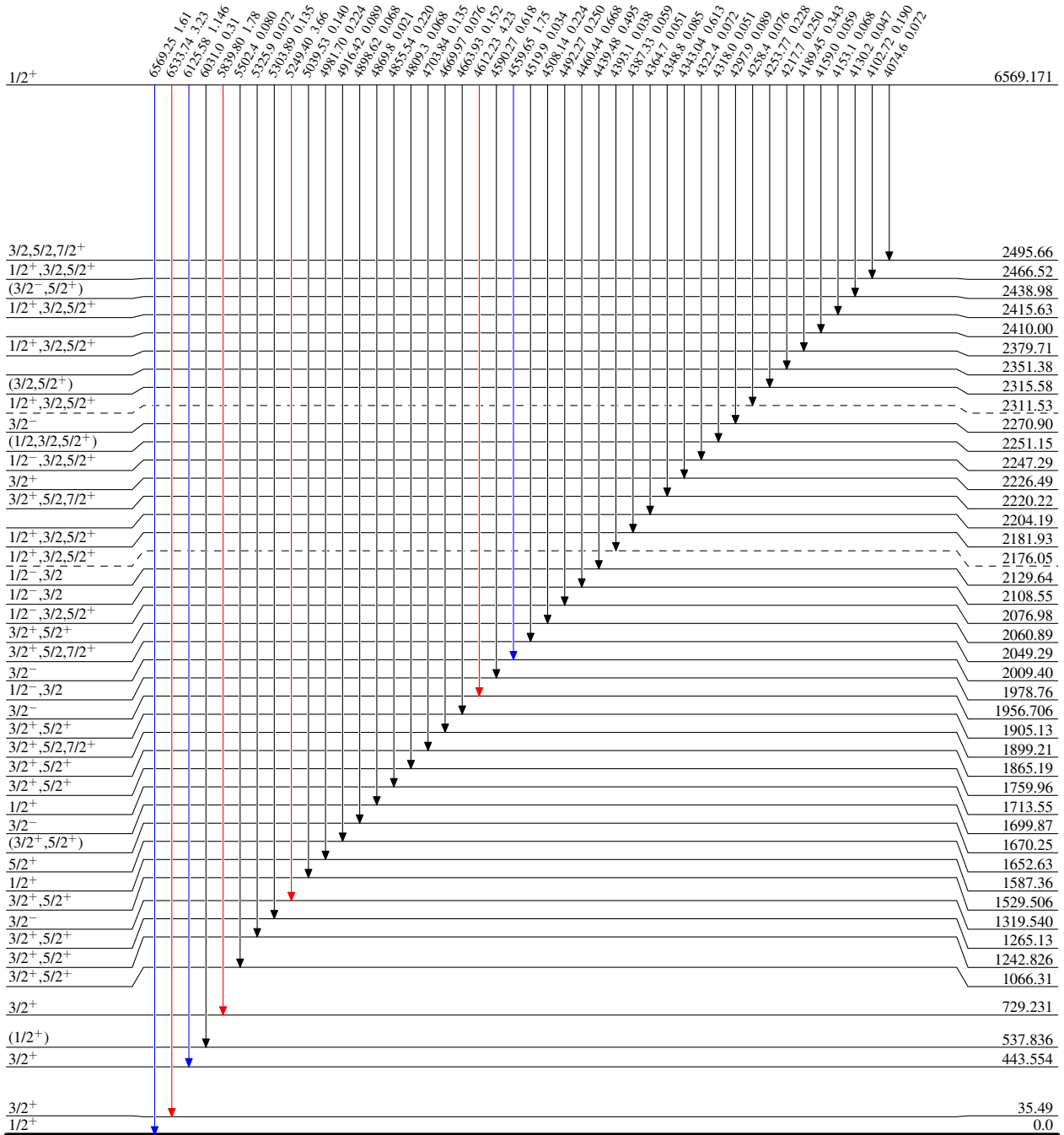
^x γ ray not placed in level scheme.

$^{124}\text{Te}(n,\gamma)$ E=thermal 1999Ho01,1998Ho16,1997BoZW

Legend

Level Scheme
Intensities: Relative I_γ

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



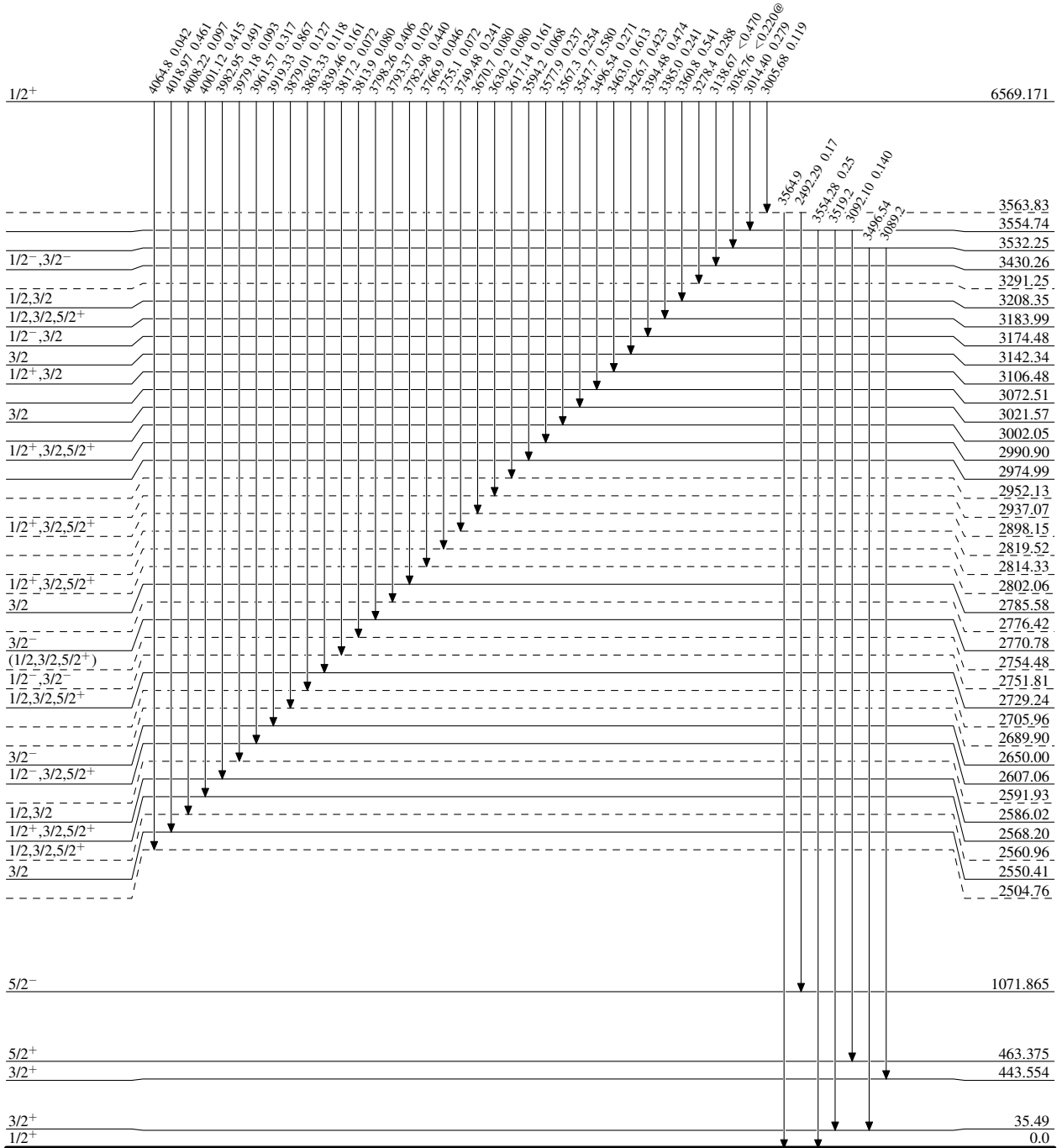
$^{124}\text{Te}(n,\gamma) E=\text{thermal}$ 1999Ho01,1998Ho16,1997BoZW

Level Scheme (continued)

Legend

Intensities: Relative I_γ
@ Multiply placed: intensity suitably divided

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



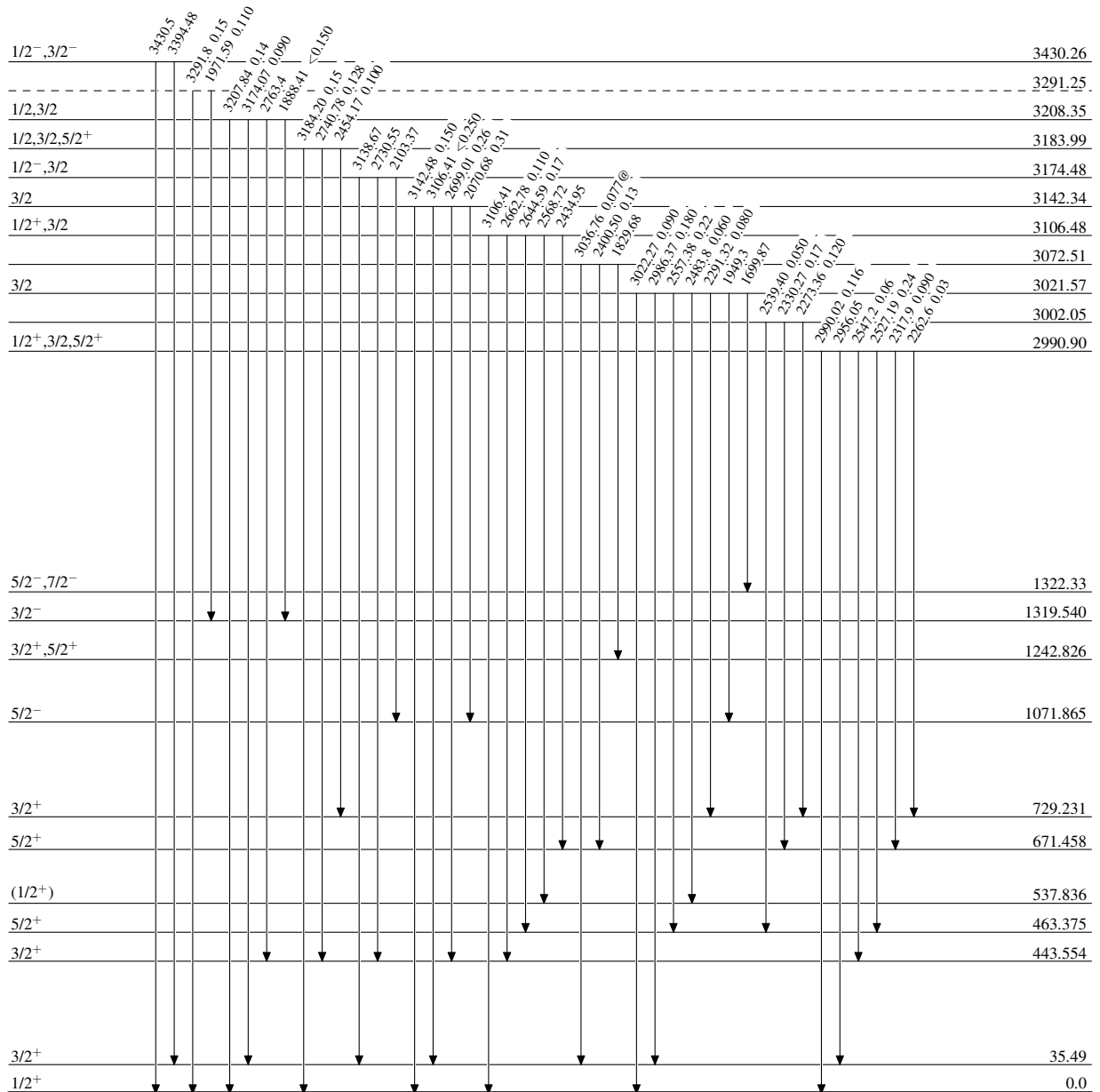
$^{124}\text{Te}(n,\gamma)$ E=thermal 1999Ho01,1998Ho16,1997BoZW

Level Scheme (continued)

Intensities: Relative I_γ
 @ Multiply placed: intensity suitably divided

Legend

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

 $^{125}_{52}\text{Te}_{73}$

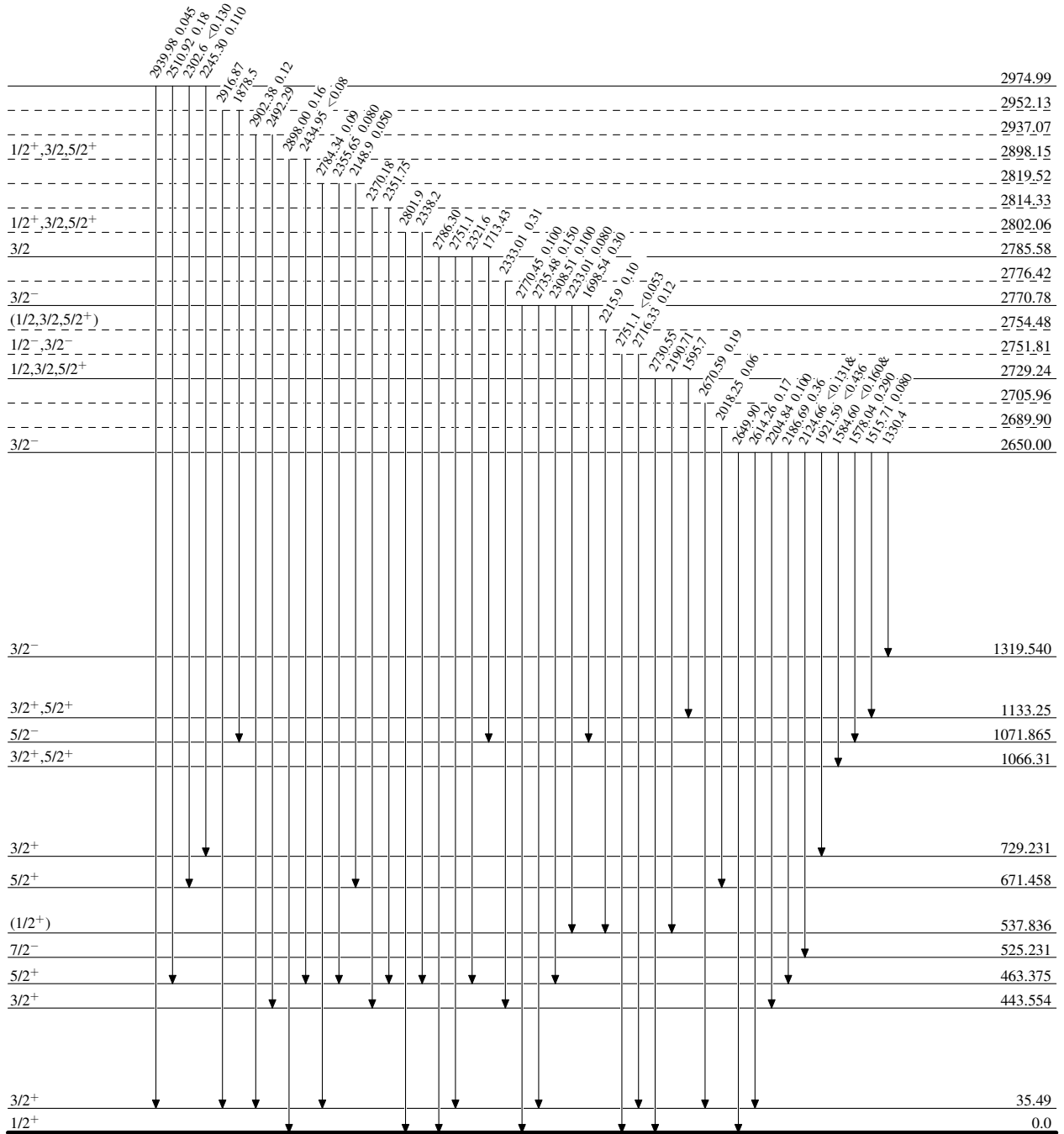
$^{124}\text{Te}(n,\gamma) E=\text{thermal}$ 1999Ho01,1998Ho16,1997BoZW

Level Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

Legend

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



$^{125}_{52}\text{Te}_{73}$

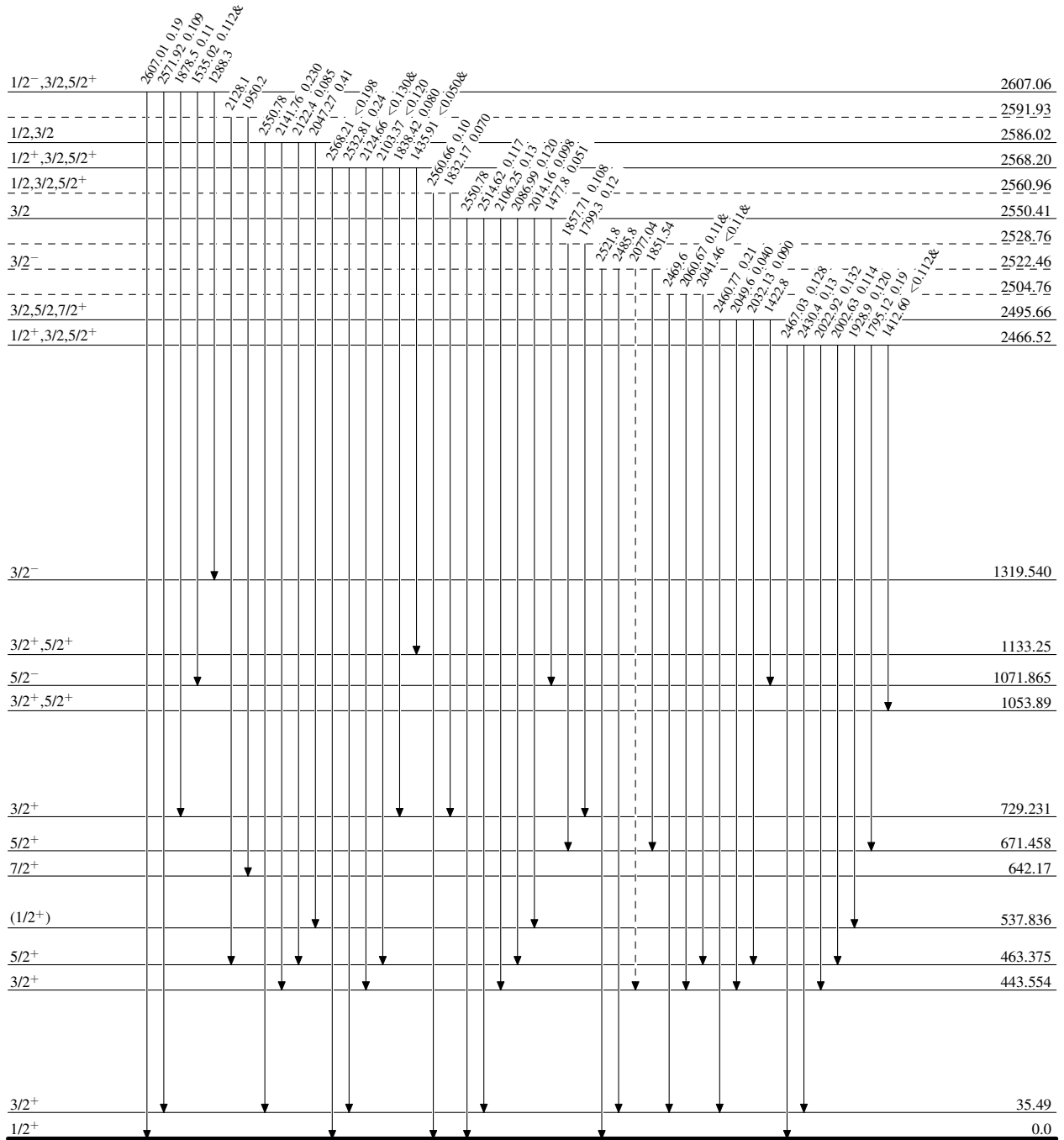
¹²⁴Te(n,γ) E=thermal 1999Ho01,1998Ho16,1997BoZW

Level Scheme (continued)

Legend

Intensities: Relative I_γ
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

- I_γ < 2% × I_γ^{max}
- I_γ < 10% × I_γ^{max}
- I_γ > 10% × I_γ^{max}
- - - - - γ Decay (Uncertain)



¹²⁵Te₇₃

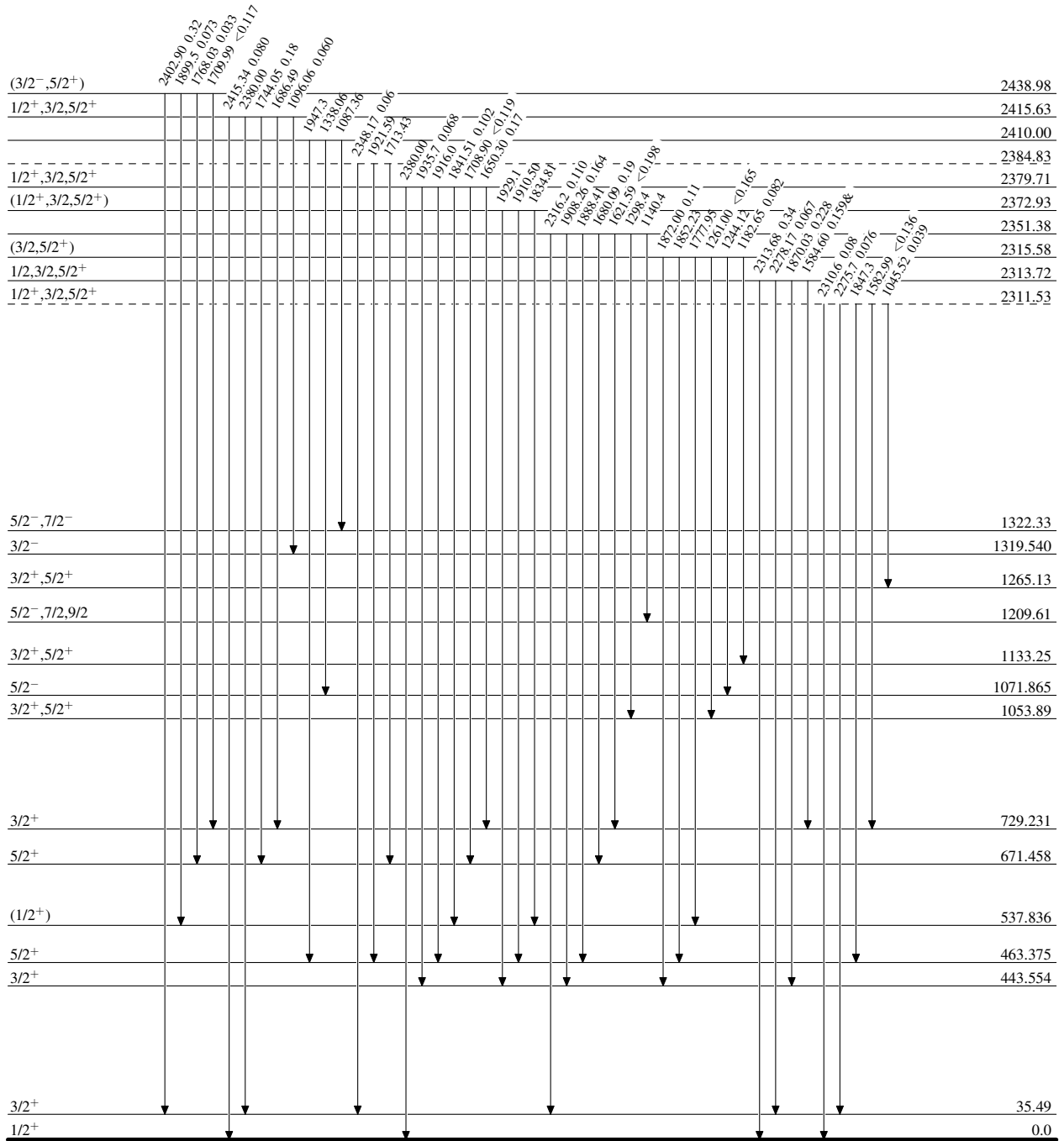
¹²⁴Te(n,γ) E=thermal 1999Ho01,1998Ho16,1997BoZW

Level Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

Legend

- I_γ < 2% × I_γ^{max}
- I_γ < 10% × I_γ^{max}
- I_γ > 10% × I_γ^{max}



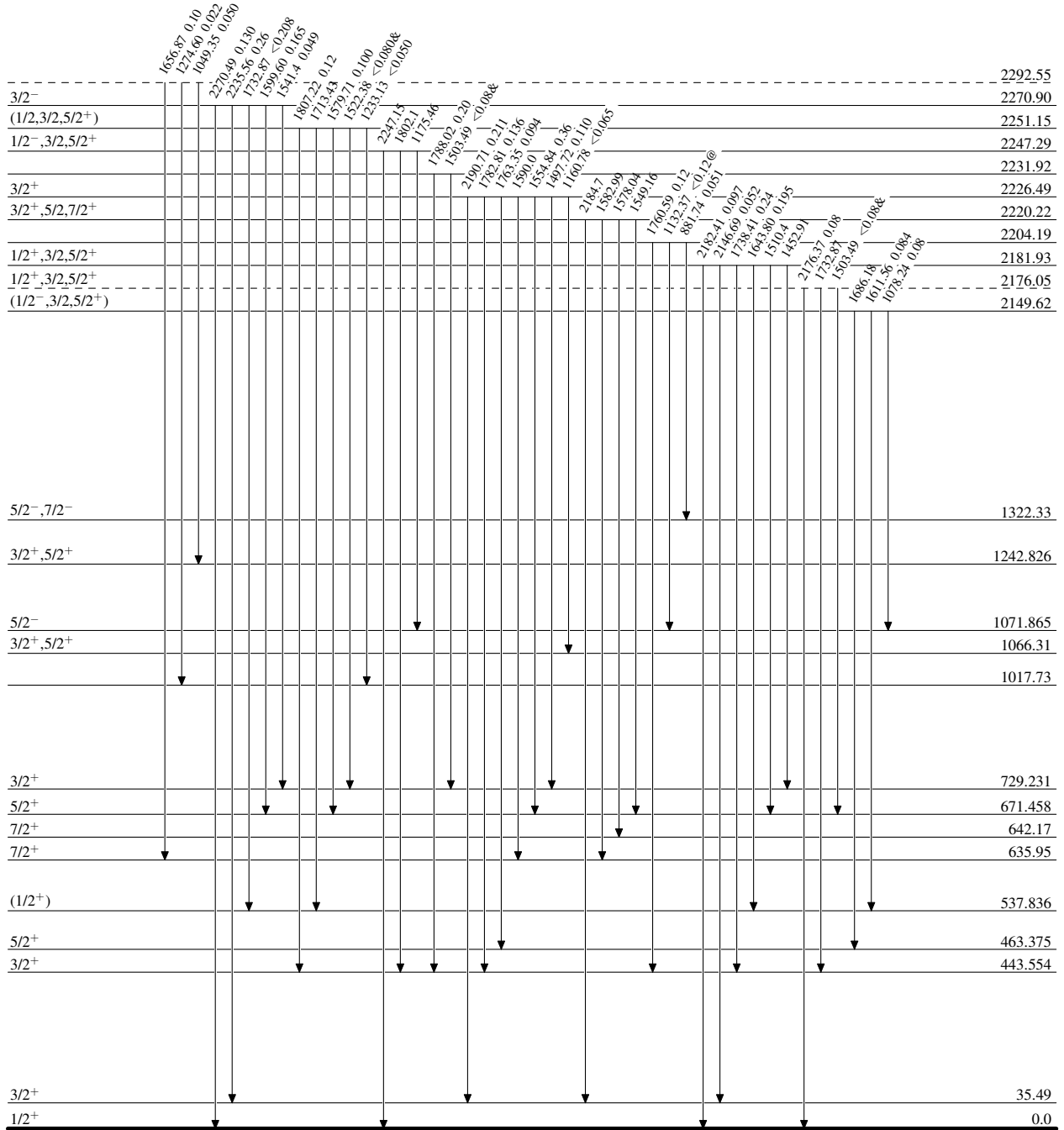
¹²⁴Te(n,γ) E=thermal 1999Ho01,1998Ho16,1997BoZW

Level Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

Legend

- I_γ < 2% × I_γ^{max}
- I_γ < 10% × I_γ^{max}
- I_γ > 10% × I_γ^{max}



¹²⁵Te₇₃

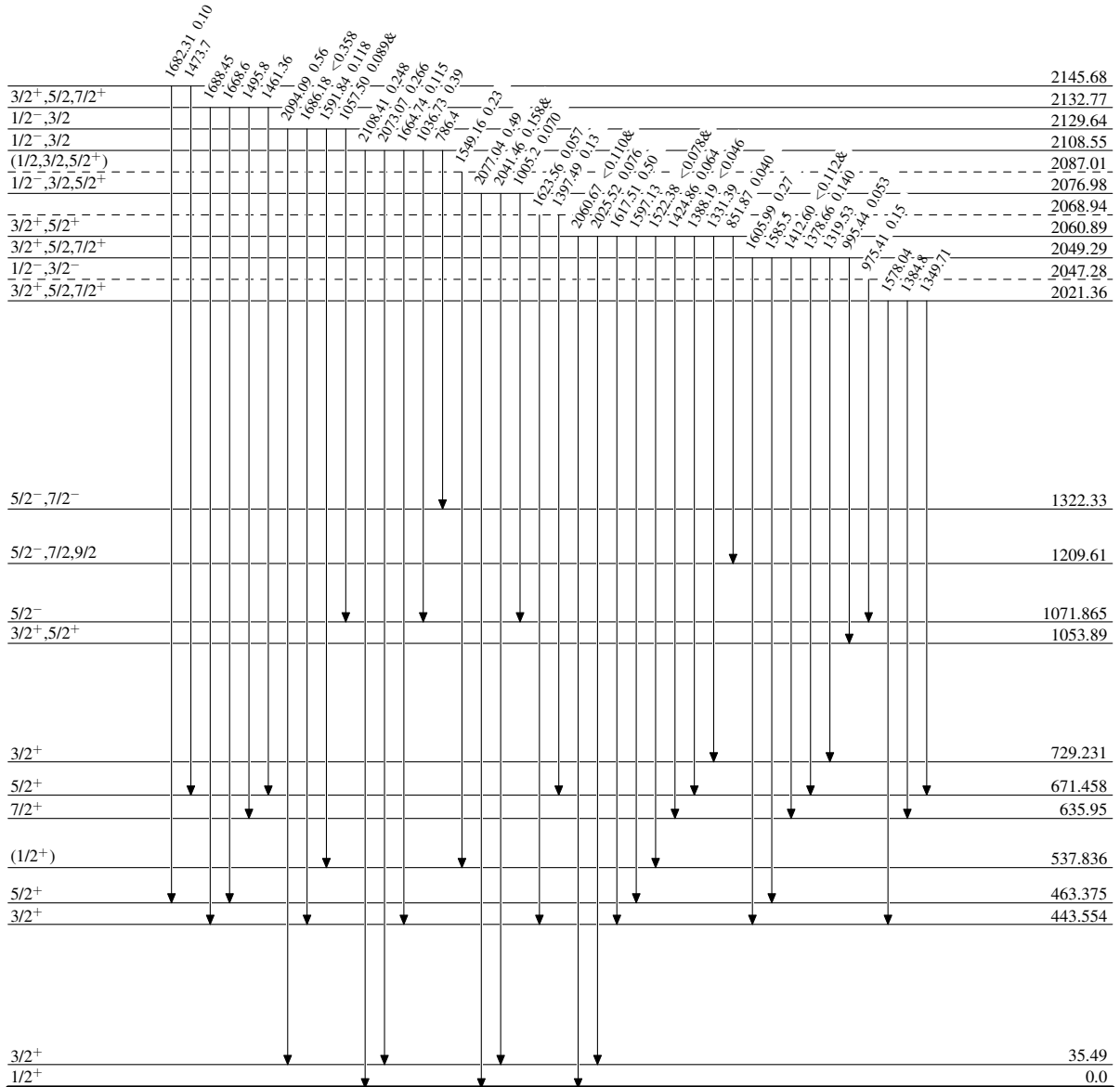
$^{124}\text{Te}(n,\gamma)$ E=thermal 1999Ho01,1998Ho16,1997BoZW

Level Scheme (continued)

Legend

Intensities: Relative I_γ
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

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



$^{125}_{52}\text{Te}_{73}$

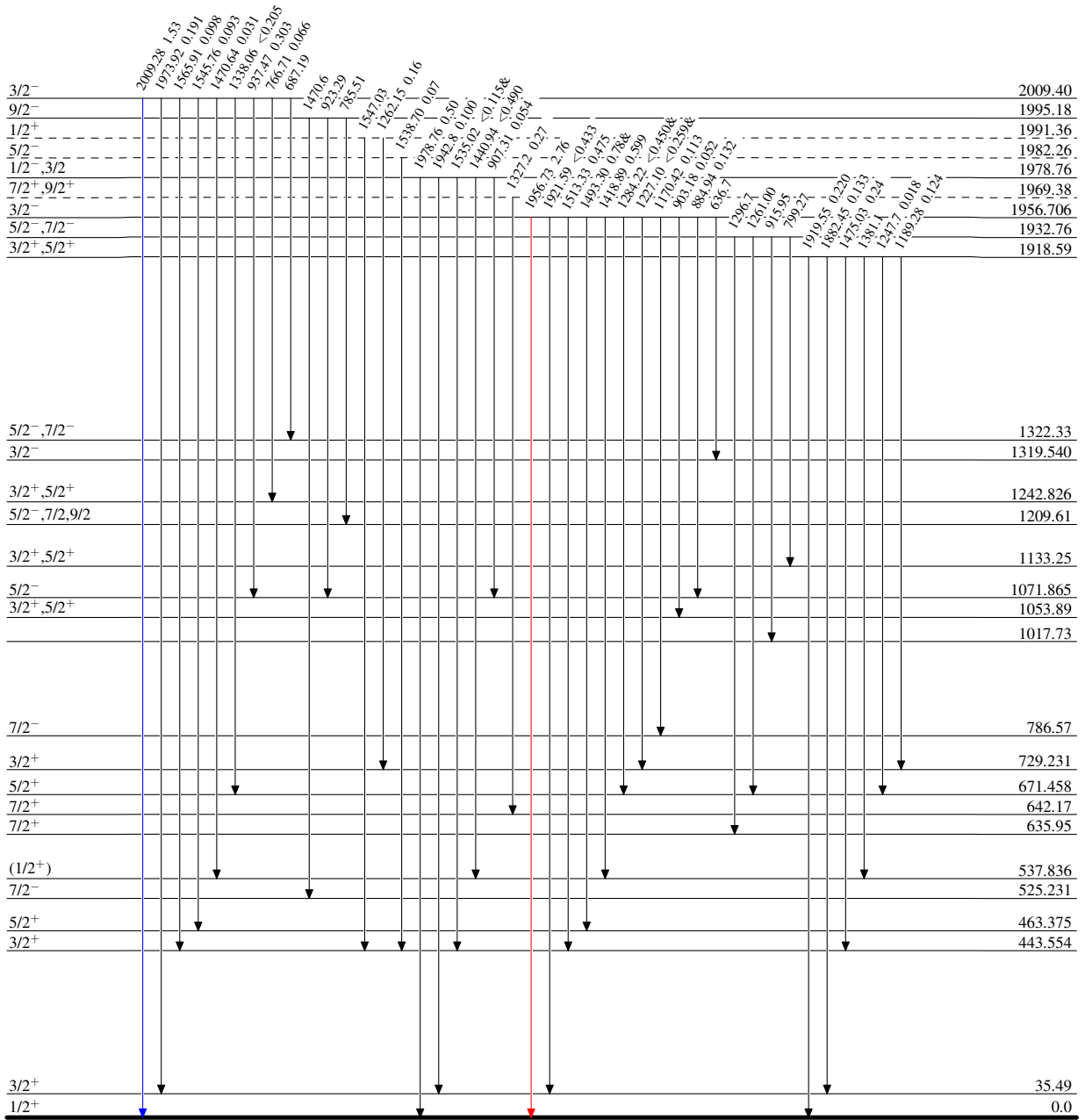
$^{124}\text{Te}(n,\gamma)$ E=thermal 1999Ho01,1998Ho16,1997BoZW

Level Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

Legend

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



$^{125}_{52}\text{Te}_{73}$

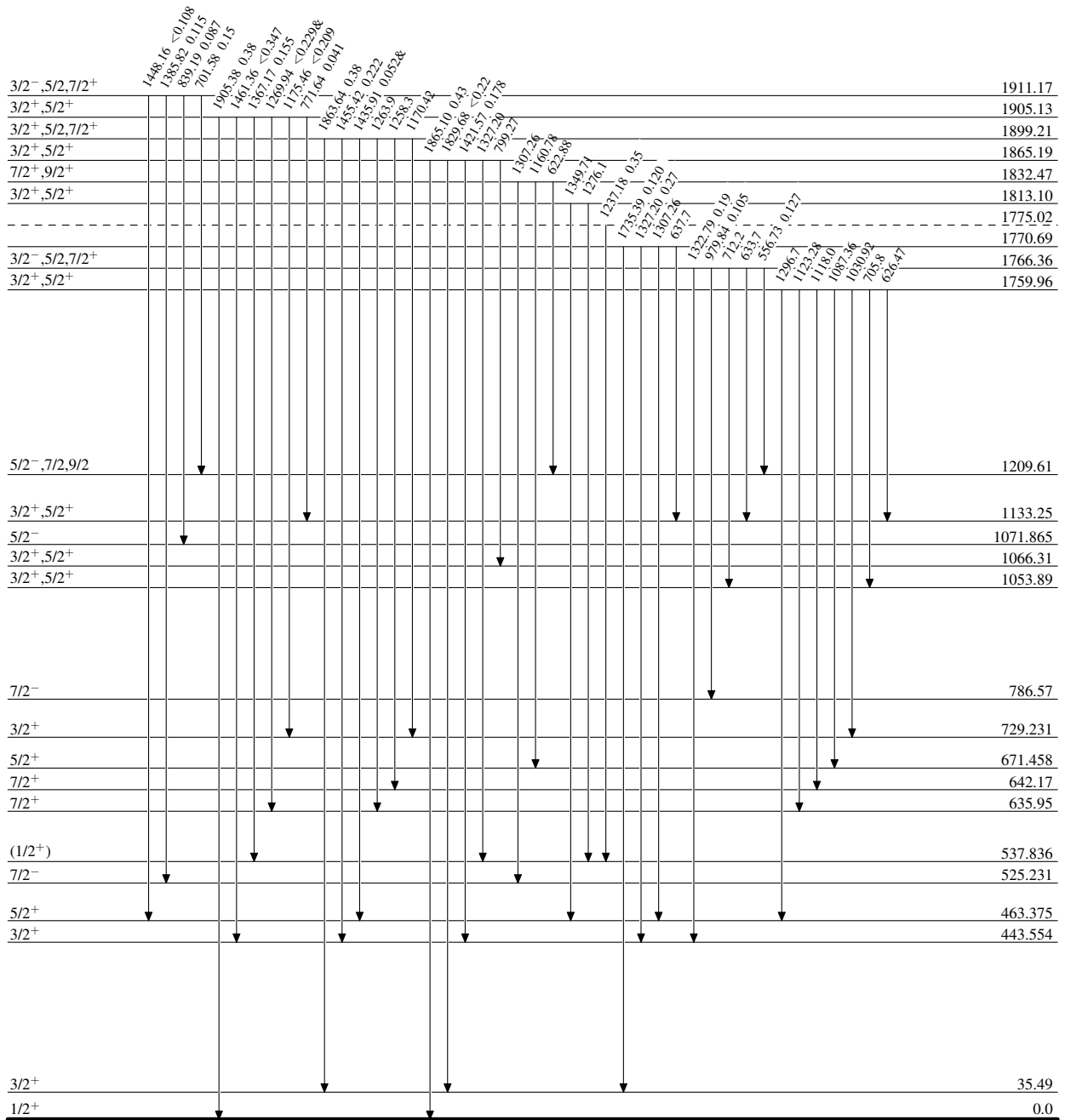
$^{124}\text{Te}(n,\gamma)$ E=thermal 1999Ho01,1998Ho16,1997BoZW

Level Scheme (continued)

Legend

Intensities: Relative I_γ
 & Multiply placed: undivided intensity given
 @ Multiply placed: intensity suitably divided

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

 $^{125}_{52}\text{Te}_{73}$

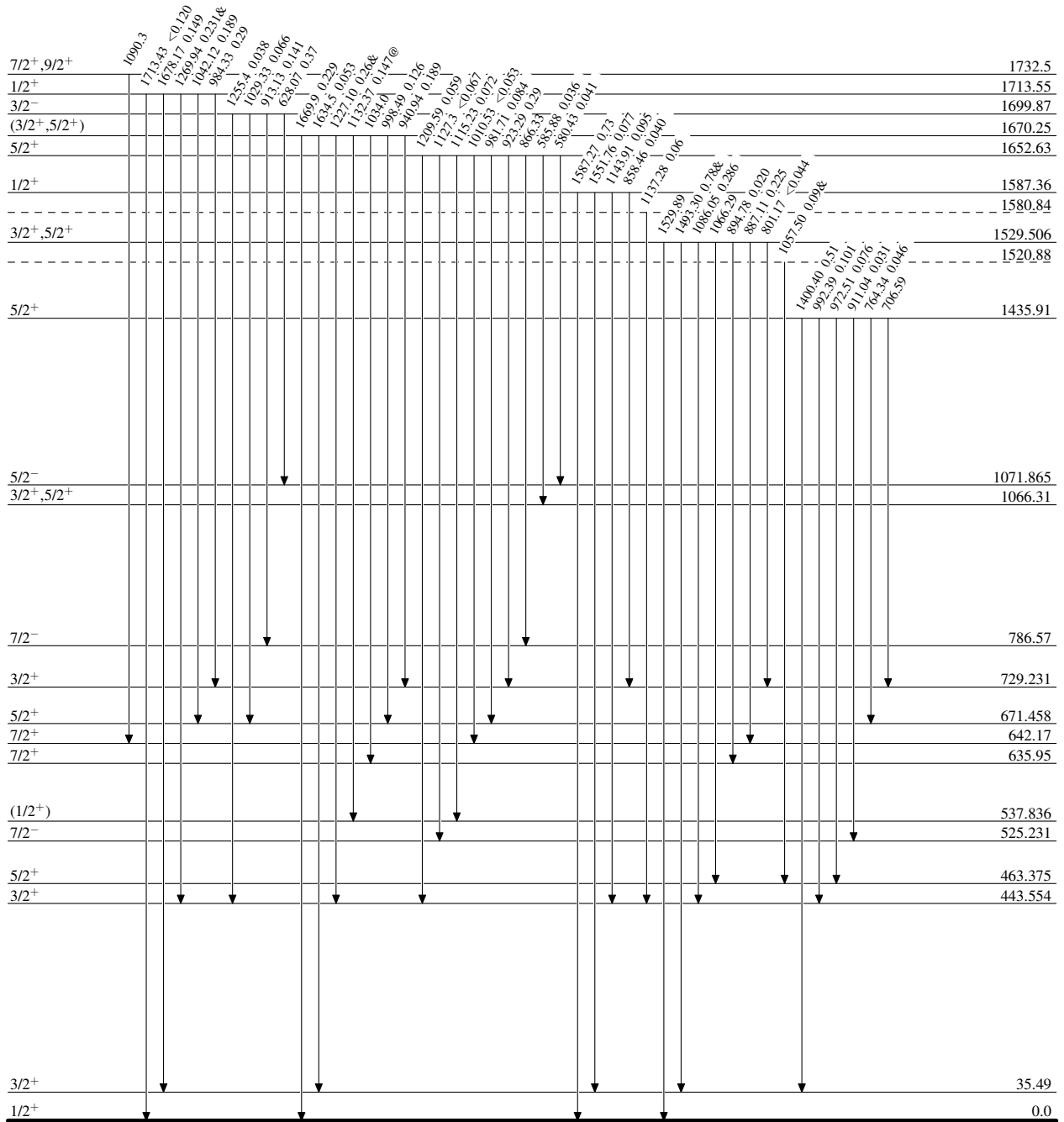
$^{124}\text{Te}(n,\gamma) E=\text{thermal}$ 1999Ho01,1998Ho16,1997BoZW

Level Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

Legend

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



$^{125}_{52}\text{Te}_{73}$

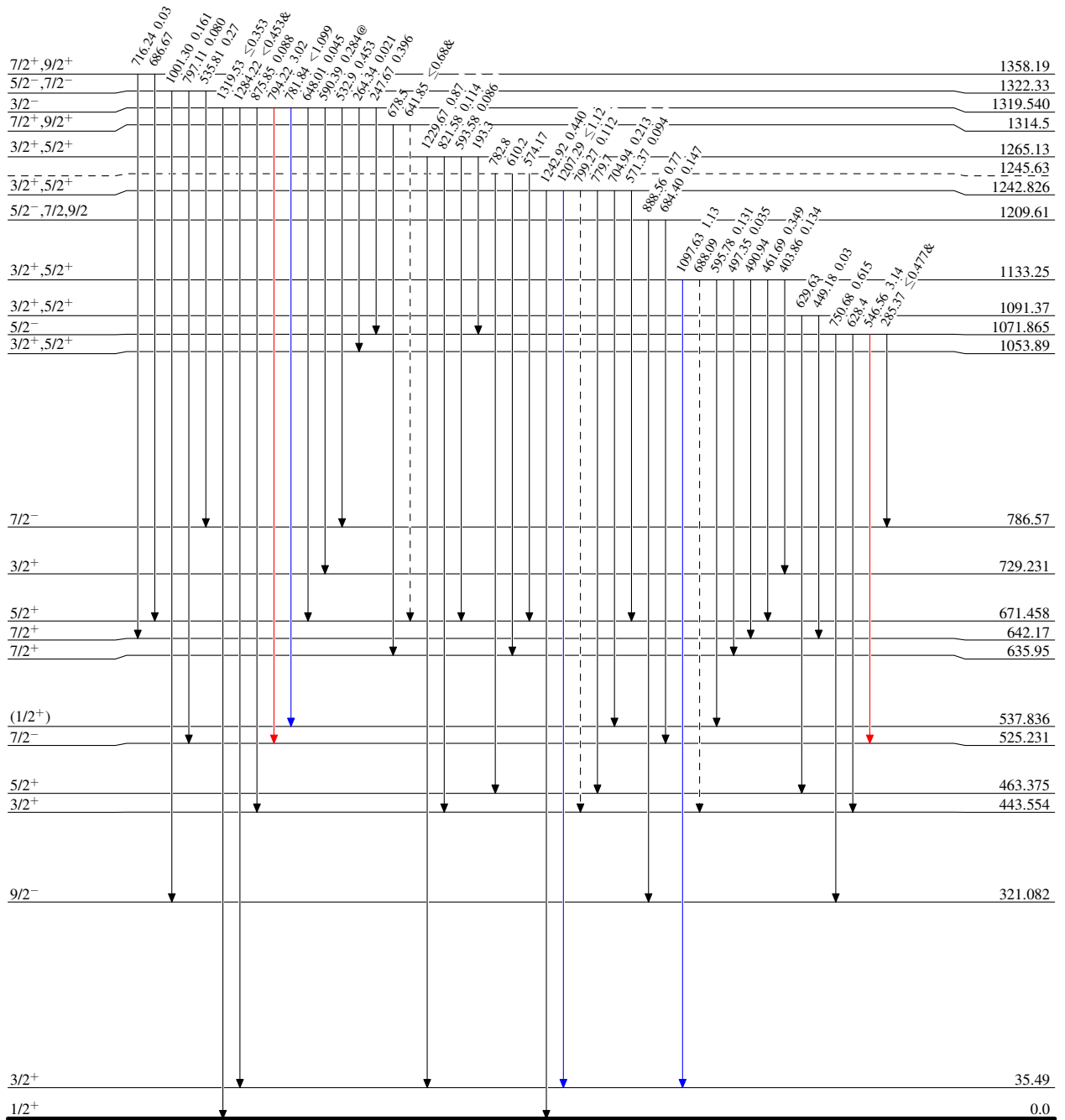
$^{124}\text{Te}(n,\gamma) E=\text{thermal}$ 1999Ho01,1998Ho16,1997BoZW

Level Scheme (continued)

Legend

Intensities: Relative I_γ
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

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



$^{125}_{52}\text{Te}_{73}$

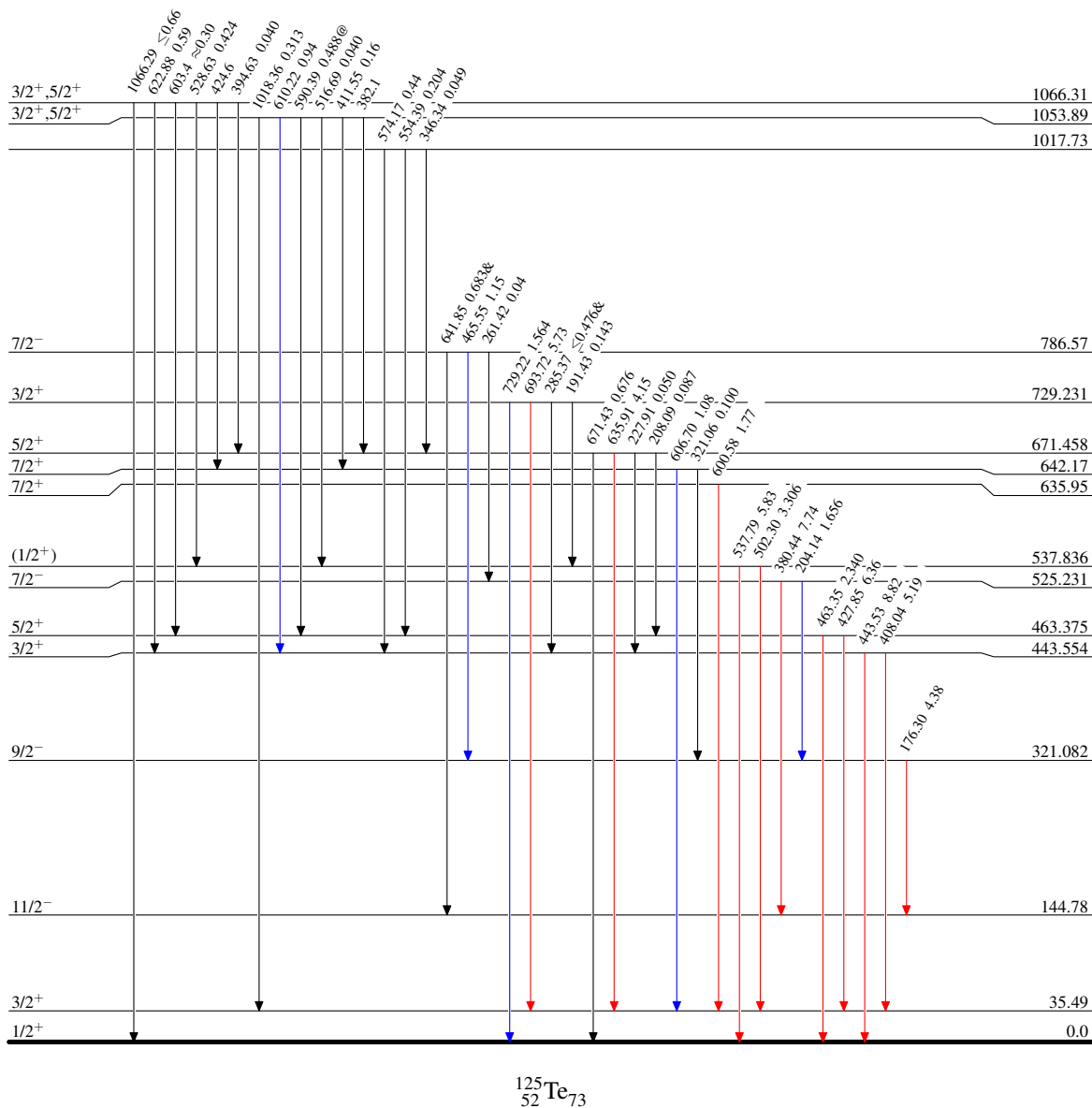
$^{124}\text{Te}(n,\gamma)$ E=thermal 1999Ho01,1998Ho16,1997BoZW

Level Scheme (continued)

Intensities: Relative I_γ
 & Multiply placed: undivided intensity given
 @ Multiply placed: intensity suitably divided

Legend

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



$^{125}_{52}\text{Te}_{73}$