^{123}Te(α,nγ) 1993Se01,2000Ga08

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	H. Iimura, J. Katakura, S. Ohya	NDS 180,1 (2022)	1-Oct-2021

2000Ga08: E=15.5 MeV; γ, $\gamma\gamma$, $\gamma\gamma(\theta)$, t, DSAM.
1993Se01: E=15-20 MeV; enriched target (89.4%, 1.6 mg/cm^2); γ, $\gamma\gamma$, $\gamma(\theta)$, γ(pol), excit.
1990Li13: Compton-suppressed Ge detector, $\gamma\gamma$, $\gamma(\theta)$, linear polarization. No Iγ data were given, but B(E2) ratio given.

^{126}Xe Levels

E(level)[†]	J$^\pi$[‡]	T$_{1/2}$[a]	Comments
0.0[b]	0$^+$		
388.61[b] 7	2$^+$		
879.84[e] 7	2$^+$		
941.91[b] 8	4$^+$		
1313.88[f] 10	0$^+$		
1317.61[d] 8	3$^+$		
1488.31[e] 8	4$^+$		
1634.88[b] 9	6$^+$		
1678.52[f] 9	2$^+$		
1760.5[&] 5	0$^+$[#]		
1903.07[g] 10	4$^+$		
1903.35[d] 9	5$^+$		
2004.68[h] 10	3$^{(-)}$		
2042.09[f] 10	4$^{(+)}$		
2064.04 10	2$^{(+)}$	≤0.29 ps	T$_{1/2}$: upper limit is given as 0.24 5 ps (2000Ga08).
2086.4[&] 3	2$^+$[#]		
2214.22[e] 10	6$^+$		
2258.71 22	(4,5)		
2262.19 10	(3)	≤0.46 ps	T$_{1/2}$: upper limit is given as 0.37 9 ps (2000Ga08).
2301.38[j] 10	5$^{(-)}$		
2304.58 10	4$^{(-)}$		
2305.64 13	(2,3)		
2314.87 12	(3$^-$)		
2321.44[i] 10	4$^{(-)}$		
2350.52 10	(2,3)		
2358.82 25	1$^+$[#]	≤0.070 ps	J$^\pi$: (2$^+$) is reported (2000Ga08). T$_{1/2}$: upper limit is given as 0.49 21 ps (2000Ga08).
2362.98[g] 10	5$^+$		
2395.21 10	(3,4$^+$)		
2414.19[h] 10	5$^{(-)}$		
2419.06 12	1$^+$,2$^+$[#]		
2435.59[b] 11	8$^+$		
2489.53 12	(2$^+$)	≤0.25 ps	T$_{1/2}$: upper limit is given as 0.21 4 ps (2000Ga08).
2492.50 11	(6$^+$)		
2515.12 13	(3)		
2520.7[@] 8	0$^+$,1,2[#]		
2525.6[@] 6			
2537.71 13	4		
2561.78[k] 10	6$^-$		
2565.5 5			J$^\pi$: J=(3$^+$) is reported from $\gamma\gamma(\theta)$ (2000Ga08). However, this assignment is not

Continued on next page (footnotes at end of table)

^{123}Te(α,nγ) 1993Se01,2000Ga08 (continued)

^{126}Xe Levels (continued)

E(level)[†]	Jπ[‡]	Comments
		consistent with $\varepsilon+\beta^+$ feeding from 1^+.
2591.28[m] *11*	7^-	
2594.6[@] *10*		
2598.49 *12*	5	
2603.8[@] *10*		
2608.76 *11*	(4,5)	
2622.81 *11*	5,6	
2631.7[@] *8*		
2632.3[@] *10*		
2642.4[@] *6*		
2661.31[d] *12*	7^+	
2664.47 *11*	$6^{(+)}$	
2677.72[j] *11*	7^-	
2680.9[@] *10*		
2685.6[@] *10*		
2694.7[&] *4*		
2702.1[@] *8*		
2739.6[@] *10*		
2741.76 *11*	$5^{(-)}$	
2753.43[&] *20*	$3^+,4,5^+$[#]	
2756.8[@] *10*		
2758.19[l] *13*	8^-	
2759.6[@] *10*		
2762.46[i] *10*	6^-	
2765.5 *5*	$(3^+,5^+)$	
2779.8[&] *4*		
2788.00 *12*	$(5^+,6^-)$	
2789.8[@] *5*	(5)	
2797.6[@] *10*	$0^+,1,2$[#]	
2800.9[@] *10*		
2811.5[@] *8*		
2818.6[@] *10*		
2830.8[@] *8*		
2848.5[@] *8*		
2850.3[@] *10*		
2859.6[@] *10*		
2875.4 *5*	$(5^+,7^+)$	
2877.2[@] *8*		
2878.2[@] *6*		
2880.87[h] *12*	7^-	
2884.6[@] *8*		
2884.7[@] *8*		
2885.4[@] *10*		
2897.9[@] *10*		
2907.5[@] *8*	$3^+,4,5^+$[#]	

Continued on next page (footnotes at end of table)

^{123}Te(α,nγ) 1993Se01,2000Ga08 (continued)

^{126}Xe Levels (continued)

E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡
2915.0@ 8		3049.5@ 8		3188.5@ 10		3359.70b 15	10+
2928.9@ 10		3050.0@ 10		3194.6@ 10		3359.9@ 10	
2934.6 5	(5+,7+)	3051.4@ 8		3195.9@ 10		3369.3@ 10	
2941.4@ 5		3061.6e 3	8+#	3197.89i 13	(8−)	3381.3@ 10	
2941.9@ 10		3064.36m 13	9−	3217.4@ 10		3383.53n 16	(9+)
2947.8@ 5		3072.9@ 10		3218.2@ 8		3386.8& 4	
2952.22 12	(7,8)	3075.6@ 10		3218.91j 12	(9−)	3396.0@ 10	
2952.9@ 10		3084.7& 4		3242.9@ 10		3446.33l 16	10−#
2961.9@ 10		3090.9@ 8		3252.0@ 8		3471.0& 4	
2965.9@ 10		3093.99k 17	(8−)	3270.9@ 10		3520.31d 16	9+#
2973.8@ 8	(4,5,6)#	3099.3@ 8		3286.6@ 10		3521.2@ 10	
2993.9@ 8		3105.9@ 10		3294.47h 15	9−#	3543.9@ 10	
2996.1@ 10		3116.91n 14	(8+)	3297.9@ 10		3578.6@ 10	
2998.9@ 10		3123.4@ 10		3312.6@ 8		3591.8& 5	
3001.6@ 10		3156.2@ 8		3313.2& 4		3625.6@ 10	
3002.9@ 10		3157.3@ 10		3314.10c 15	10+	3783.4m 4	11−#
3025.9@ 10		3170.2@ 10		3328.9@ 10			

† Based on a least-squares fit (by the evaluators) to the Eγ′s.
‡ From γ(θ), γ(pol) in 1993Se01and γγ(θ) in 2000Ga08, unless where from Adopted Levels as noted.
# From Adopted Levels.
@ Shown only in figures of the level scheme (1993Se01).
& From 2000Ga08. Shown only in figures of the level scheme.
a From DSAM (2000Ga08).
b Band(A): band 2, ground-state band, (π,α)=(+,0).
c Band(B): Band 3, (π,α)=(+,0), based on configuration=$(\nu\ h_{11/2})^2$.
d Band(C): band 4, (π,α)=(+,1) quasi−γ band.
e Band(D): band 5, (π,α)=(+,0) quasi−γ band.
f Band(E): band 6, K=0+ band π=+.
g Band(F): band 7, K=4+ band.
h Band(G): Band 8, (π,α)=(-,1), signature partner of band 9, low K, based on $\nu(h_{11/2}+g_{7/2})$ or $\pi(h_{11/2}+d_{5/2})$.
i Band(H): Band 9, (π,α)=(-,0), signature partner of band 8, low K, based on $\nu(h_{11/2}+g_{7/2})$ or $\pi(h_{11/2}+d_{5/2})$.
j Band(I): Band 10, (π,α)=(-,1), signature partner of band 11, low K, based on $\nu(h_{11/2}+g_{7/2})$ or $\pi(h_{11/2}+d_{5/2})$.
k Band(J): Band 11, (π,α)=(-,0), signature partner of band 10, low K, based on $\nu(h_{11/2}+g_{7/2})$ or $\pi(h_{11/2}+d_{5/2})$.
l Band(K): Band 12, (π,α)=(-,0), coupled band with band 13, high K, based on $\nu(h_{11/2}+g_{7/2})$.
m Band(L): Band 13, (π,α)=(-,1), coupled band with band 12, high K, based on $\nu(h_{11/2}+g_{7/2})$.
n Band(M): band 14, band member based on 3117-keV level.

^{123}Te(α,nγ) 1993Se01,2000Ga08 (continued)

$\gamma(^{126}Xe)$

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[&]	δ[&]	α[a]	Comments
166.8 *1*	0.51 *1*	2758.19	8^-	2591.28	7^-	D+Q	−3.9 *+13−19*		A_2=−0.39 *3*, A_4=+0.16 *4* (1993Se01). δ: from 1993Se01.
184.5 *3*	0.08 *1*	2598.49	5	2414.19	$5^{(-)}$				
185[‡]		2947.8		2762.46	6^-				
207[‡]		2884.7		2677.72	7^-				
210[‡]		3090.9		2880.87	7^-				
226.2 *2*	0.056 *8*	2788.00	$(5^+,6^-)$	2561.78	6^-				
231[‡]		2993.9		2762.46	6^-				
233[‡]		3294.47	9^-	3061.6	8^+				
257.1 *1*	0.03 *1*	2561.78	6^-	2304.58	$4^{(-)}$				
260.4 *1*	0.20 *1*	2561.78	6^-	2301.38	$5^{(-)}$	D+Q	−0.5 *+2−17*		A_2=−0.84 *7*, A_4=+0.02 *9* (1993Se01). δ: from 1993Se01.
266.6 *1*	0.03 *1*	3383.53	(9^+)	3116.91	(8^+)				
268.5 *2*	0.09 *1*	1903.35	5^+	1634.88	6^+	D+Q			A_2=−1.0 *2*, A_4=−0.2 *2* (1993Se01). δ: +4 *+5−1* or +0.2 *1* (2000Ga08).
286[‡]		2884.6		2598.49	5				
289.9 *2*	0.07 *1*	2591.28	7^-	2301.38	$5^{(-)}$				
306.1 *1*	0.14 *1*	3064.36	9^-	2758.19	8^-	D+Q	−1.0 *+6−8*		A_2=−0.95 *6*, A_4=+0.15 *8* (1993Se01). δ: from 1993Se01.
316.7 *1*	0.38 *1*	2321.44	$4^{(-)}$	2004.68	$3^{(-)}$				A_2=−0.47 *4*, A_4=+0.00 *5* (1993Se01).
317.0 *1*		3197.89	(8^-)	2880.87	7^-				
322.5 *2*	0.09 *1*	2758.19	8^-	2435.59	8^+				
323[‡]		2884.7		2561.78	6^-				
335.8[#]		2694.7		2358.82	1^+				
337[‡]		3218.2		2880.87	7^-				
347[‡]		2884.6		2537.71	4				
348.3 *2*	0.16 *1*	2762.46	6^-	2414.19	$5^{(-)}$	(M1,E2)		0.0270 *9*	A_2=−0.67 *9*, A_4=−0.2 *1*; pol.=+0.3 *2* (1993Se01).
358.2[#]		2753.43	$3^+,4,5^+$	2395.21	$(3,4^+)$				
360.8 *1*	0.14 *1*	1678.52	2^+	1317.61	3^+				
363.4 *3*	0.04 *2*	2042.09	$4^{(+)}$	1678.52	2^+	Q			A_2=+1.0 *4*, A_4=−0.8 *5* (1993Se01).
364.6 *2*	0.51 *2*	1678.52	2^+	1313.88	0^+	E2			A_2=+0.0 *4*, A_4=+0.12 *5*; pol.=+0.6 *2* (1993Se01).
372[‡]		3049.5		2677.72	7^-				
375.7 *1*	1.56 *2*	1317.61	3^+	941.91	4^+	M1+E2			δ: +13 +∞−13 (1993Se01). +5.4 *+10−8* or +0.11 *3* (2000Ga08). A_2=−0.228 *9*, A_4=+0.02 *1*; pol.=+0.2 *7* (1993Se01).
376[‡]		2789.8	(5)	2414.19	$5^{(-)}$				
376.2 *1*		2677.72	7^-	2301.38	$5^{(-)}$				
377.1 *1*	0.23 *1*	2591.28	7^-	2214.22	6^+				A_2=−0.23 *5*, A_4=+0.04 *7* (1993Se01).

$^{126}_{54}Xe_{72}$-4

^{123}Te(α,nγ) 1993Se01,2000Ga08 (continued)

$\gamma(^{126}Xe)$ (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[&]	δ[&]	α[a]	Comments
380[‡]		2941.4		2561.78	6^-				
382.0 *1*	0.04 *1*	3446.33	10^-	3064.36	9^-				A_2=−1.0 *2*, A_4=+0.3 *3* (1993Se01).
388.6 *1*	100.0 *2*	388.61	2^+	0.0	0^+	E2		0.0187	A_2=+0.1409 *6*, A_4=−0.0211 *9*; pol.=+0.447 *3* (1993Se01).
401.4 *3*	0.18 *2*	2304.58	$4^{(-)}$	1903.07	4^+				A_2=+0.26 *7*, A_4=+0.0 *1* (1993Se01).
408.6 *2*	0.15 *1*	2622.81	5,6	2214.22	6^+				A_2=+0.30 *9*, A_4=−0.1 *1* (1993Se01).
409.6 *3*	0.03 *1*	2414.19	$5^{(-)}$	2004.68	$3^{(-)}$				
413.6 *1*	0.14 *2*	3294.47	9^-	2880.87	7^-	(Q)			A_2=+0.4 *1*, A_4=−0.1 *2* (1993Se01).
414.8 *2*	0.42[@] *12*	1903.07	4^+	1488.31	4^+				
415.1 *1*	1.07 *2*	1903.35	5^+	1488.31	4^+	M1+E2			A_2=+0.06 *2*, A_4=+0.08 *2*; pol.=+0.3 *2* (1993Se01). δ: +0.16 *8* or +21 *+52−13* (2000Ga08).
416.3 *2*	0.14 *2*	3093.99	(8^-)	2677.72	7^-				A_2=−0.4 *1*, A_4=+0.1 *1* (1993Se01).
420.6 *2*	0.24 *1*	2741.76	$5^{(-)}$	2321.44	$4^{(-)}$	M1+E2	−0.9 *+7−17*	0.0161 *11*	A_2=−0.68 *5*, A_4=+0.05 *6*; pol.=+0.2 *2* (1993Se01). δ: from 1993Se01.
426[‡]		3188.5		2762.46	6^-				
434.0 *1*	0.24 *1*	1313.88	0^+	879.84	2^+	E2		0.0134	A_2=+0.06 *7*, A_4=+0.1 *1*; pol.=+0.5 *1* (1993Se01).
435.5 *2*	0.22 *1*	3197.89	(8^-)	2762.46	6^-	(E2)		0.0133	A_2=+0.7 *1*, A_4=+0.0 *1*; pol.=+0.57 *8* (1993Se01).
437.8 *1*	8.47 *3*	1317.61	3^+	879.84	2^+	M1+E2	+8 *+3−2*	0.0131	A_2=+0.093 *3*, A_4=+0.054 *4*; pol.=+0.33 *1* (1993Se01). δ: from 2000Ga08. Other: +21 *+18−13* (1993Se01).
441.0 *2*	0.28 *3*	2762.46	6^-	2321.44	$4^{(-)}$	(E2)		0.0128	A_2=+0.37 *6*, A_4=−0.05 *8*; pol.=+0.26 *2* (1993Se01).
447.4 *3*		2661.31	7^+	2214.22	6^+				
449[‡]		2941.4		2492.50	(6^+)				
456[‡]		3218.2		2762.46	6^-				
459.8 *1*	0.57 *1*	2362.98	5^+	1903.35	5^+	M1,E2		0.0126 *13*	A_2=−0.19 *2*, A_4=+0.01 *3*; pol.=+0.6 *4* (1993Se01).
460.0 *2*		2362.98	5^+	1903.07	4^+				
461.1 *2*	0.21 *1*	2762.46	6^-	2301.38	$5^{(-)}$				
461.9[#]		3084.7		2622.81	5,6				
463.3 *2*	0.11 *1*	2677.72	7^-	2214.22	6^+				A_2=+0.3 *1*, A_4=+0.5 *2* (1993Se01).
464[‡]		2878.2		2414.19	$5^{(-)}$				
466.7 *3*	0.04 *2*	2880.87	7^-	2414.19	$5^{(-)}$				
473.2 *1*	0.09 *1*	3064.36	9^-	2591.28	7^-	E2		0.0105	A_2=+0.4 *1*, A_4=+0.0 *2*; pol.=+0.7 *4* (1993Se01).
481[‡]		2973.8	(4,5,6)	2492.50	(6^+)				
483.6 *2*	0.30 *1*	2788.00	$(5^+,6^-)$	2304.58	$4^{(-)}$				A_2=−0.11 *4*, A_4=+0.01 *5*; pol.=+0.8 *2* (1993Se01).
491.3 *1*	22.90 *7*	879.84	2^+	388.61	2^+	M1+E2	+8 *3*		A_2=−0.008 *2*, A_4=−0.003 *2*; pol.=+0.252 *6* (1993Se01). δ: from 2000Ga08. Other: 14 +∞−8 or −0.35 *+7−13* or ≤−16 (1993Se01).
496[‡]		3157.3		2661.31	7^+				
521[‡]		2525.6		2004.68	$3^{(-)}$				
527[‡]		2848.5		2321.44	$4^{(-)}$				

$^{126}_{54}Xe_{72}$-5

^{123}Te(α,nγ) 1993Se01,2000Ga08 (continued)

$\gamma(^{126}Xe)$ (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Mult.&	δ&	Comments
527‡		2941.4		2414.19	$5^{(-)}$			
530.2#		3591.8		3061.6	8^+			
532.2 *2*	0.19 *1*	3093.99	(8^-)	2561.78	6^-	(Q)		A_2=+0.34 *6*, A_4=−0.21 *9* (1993Se01).
534‡		2947.8		2414.19	$5^{(-)}$			
536.8 *2*		3197.89	(8^-)	2661.31	7^+			
541.1 *1*	0.11 *1*	3218.91	(9^-)	2677.72	7^-	(E2)		A_2=+0.42 *6*, A_4=−0.04 *8*; pol.=+0.7 *2* (1993Se01).
546.4 *1*	3.74 *2*	1488.31	4^+	941.91	4^+	M1+E2	+3.0 *+10−9*	A_2=−0.018 *4*, A_4=−0.064 *6*; pol.=+0.22 *2* (1993Se01). δ: from 2000Ga08. Other: +3.5 *+9−6* (1993Se01).
553.4 *1*	47.90 *3*	941.91	4^+	388.61	2^+	E2		A_2=+0.242 *1*, A_4=−0.042 *1*; pol.=+0.634 *4* (1993Se01).
574‡		3252.0		2677.72	7^-			
579.3 *1*	0.70 *1*	2214.22	6^+	1634.88	6^+	M1+E2	+0.7 *2*	A_2=+0.23 *2*, A_4=−0.06 *3*; pol.=+0.5 *1* (1993Se01). δ: from 2000Ga08. Other: +0.92 *+34−50* or −0.27 *+36−4* (1993Se01).
585.3 *2*	0.9@ *3*	1903.07	4^+	1317.61	3^+			
585.8 *2*	6.49 *4*	1903.35	5^+	1317.61	3^+	E2		A_2=+0.263 *4*, A_4=−0.032 *5*; pol.=+0.58 *2* (1993Se01).
600‡		2915.0		2314.87	(3^-)			
608.5 *1*	7.44 *4*	1488.31	4^+	879.84	2^+	E2		A_2=+0.230 *3*, A_4=−0.027 *4*; pol.=+0.60 *2* (1993Se01).
616‡		3051.4		2435.59	8^+			
617‡		2830.8		2214.22	6^+			
622.5 *2*	0.25 *1*	2664.47	$6^{(+)}$	2042.09	$4^{(+)}$	(E2)		A_2=+0.26 *5*, A_4=−0.04 *6*; pol.=+0.1 *2* (1993Se01).
640‡		2941.4		2301.38	$5^{(-)}$			
647‡		2947.8		2301.38	$5^{(-)}$			
651‡		2965.9		2314.87	(3^-)			
658.5 *1*	1.05 *1*	2561.78	6^-	1903.35	5^+	E1		A_2=−0.25 *1*, A_4=−0.01 *2*; pol.=+0.52 *6* (1993Se01).
661‡		3252.0		2591.28	7^-			
666.3 *2*	0.66 *3*	2301.38	$5^{(-)}$	1634.88	6^+	(E1)		A_2=+0.16 *4*, A_4=−0.13 *6*; pol.=+0.3 *2* (1993Se01).
667.2 *2*	1.89 *9*	2880.87	7^-	2214.22	6^+			
681.3 *1*	0.21 *2*	3116.91	(8^+)	2435.59	8^+	(M1,E2)		A_2=+0.24 *6*, A_4=+0.04 *9*; pol.=+0.7 *1* (1993Se01).
687‡		3050.0		2362.98	5^+			
688.0 *2*	0.15 *1*	3446.33	10^-	2758.19	8^-			
693.0 *1*	18.10 *7*	1634.88	6^+	941.91	4^+	E2		A_2=+0.277 *2*, A_4=−0.049 *3*; pol.=+0.717 *8* (1993Se01).
704.4#		3313.2		2608.76	(4,5)			
705.4 *1*	0.27 *3*	2608.76	(4,5)	1903.35	5^+			A_2=+0.18 *8*, A_4=+0.3 *1*; pol.=+0.2 *5* (1993Se01).
708‡		3369.3		2661.31	7^+			
715.8#		2779.8		2064.04	$2^{(+)}$			
719.0 *3*		3783.4	11^-	3064.36	9^-			
719.4 *2*		2622.81	5,6	1903.35	5^+			
719.5 *2*	0.11 *2*	2622.81	5,6	1903.07	4^+			A_2=+0.28 *8*, A_4=+0.1 *1*; pol.=+0.8 *4* (1993Se01).

$^{126}_{54}Xe_{72}$-6

^{123}Te(α,nγ) 1993Se01,2000Ga08 (continued)

$\gamma(^{126}Xe)$ (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[&]	Comments
721[‡]		3156.2		2435.59	8^+		
722[‡]		3312.6		2591.28	7^-		
722.3 *2*	0.18 *4*	3383.53	(9^+)	2661.31	7^+	(E2)	A_2=−0.23 *5*, A_4=−0.01 *7*; pol.=+0.5 *3* (1993Se01).
722.3[#]		3386.8		2664.47	$6^{(+)}$		
725.9 *1*	2.51 *3*	2214.22	6^+	1488.31	4^+	E2	A_2=+0.277 *8*, A_4=−0.06 *1*; pol.=+0.7 *6* (1993Se01).
727[‡]		2941.4		2214.22	6^+		
727.7 *2*	0.32 *1*	2362.98	5^+	1634.88	6^+	M1,E2	A_2=−0.2 *1*, A_4=+0.3 *2*; pol.=+0.1 *2* (1993Se01).
736.5 *4*	0.20 *3*	1678.52	2^+	941.91	4^+	E2	A_2=−0.1 *1*, A_4=+0.0 *2*; pol.=+0.6 *4* (1993Se01).
737.0 *3*		2741.76	$5^{(-)}$	2004.68	$3^{(-)}$		
737.7 *1*	0.37 *3*	2952.22	(7,8)	2214.22	6^+		A_2=+0.33 *5*, A_4=−0.08 *6*; pol.=+0.6 *8* (1993Se01).
748[‡]		3049.5		2301.38	$5^{(-)}$		
756[‡]		3170.2		2414.19	$5^{(-)}$		
758.0 *1*	1.41 *2*	2661.31	7^+	1903.35	5^+	E2	A_2=+0.28 *1*, A_4=−0.07 *2*; pol.=+0.74 *7* (1993Se01).
762.1 *2*	0.09 *1*	3197.89	(8^-)	2435.59	8^+		
763[‡]		3521.2		2758.19	8^-		
770.4 *2*	0.08 *1*	2258.71	(4,5)	1488.31	4^+		A_2=−0.6 *4*, A_4=−1.0 *5*; pol.=+1.0 *5* (1993Se01).
771[‡]		3075.6		2304.58	$4^{(-)}$		
779.2 *2*	0.12 *9*	2414.19	$5^{(-)}$	1634.88	6^+	(E1)	A_2=−0.1 *1*, A_4=−0.2 *1*; pol.=+0.7 *3* (1993Se01).
783.4 *1*	0.145 *9*	3218.91	(9^-)	2435.59	8^+	(E1)	A_2=−0.35 *7*, A_4=−0.1 *1*; pol.=+0.5 *2* (1993Se01).
790[‡]		3381.3		2591.28	7^-		
795[‡]		3099.3		2304.58	$4^{(-)}$		
798.8 *1*	0.86 *2*	1678.52	2^+	879.84	2^+	M1,E2	A_2=+0.27 *3*, A_4=−0.04 *3*; pol.=+0.8 *1* (1993Se01).
800.7 *1*	2.56 *2*	2435.59	8^+	1634.88	6^+	E2	A_2=+0.287 *7*, A_4=−0.077 *9*; pol.=+0.78 *4* (1993Se01).
802[‡]		3123.4		2321.44	$4^{(-)}$		
806.5[#]		3471.0		2664.47	$6^{(+)}$		
813.0 *3*	0.07 *1*	2301.38	$5^{(-)}$	1488.31	4^+		
816.2 *1*	0.34 *1*	2304.58	$4^{(-)}$	1488.31	4^+	(E1)	A_2=+0.16 *4*, A_4=−0.04 *6*; pol.=+0.5 *3* (1993Se01).
837[‡]		3051.4		2214.22	6^+		
847[‡]		2525.6		1678.52	2^+		
847.4[#]		3061.6	8^+	2214.22	6^+		
850.0[#]		2753.43	3^+,4,5^+	1903.35	5^+		
851[‡]		3286.6		2435.59	8^+		
857.7 *1*	0.95 *2*	2492.50	(6^+)	1634.88	6^+	(M1,E2)	A_2=+0.18 *2*, A_4=+0.02 *3*; pol.=+0.7 *1* (1993Se01).
859.0 *1*		3520.31	9^+	2661.31	7^+		
859.1 *1*	0.45 *2*	2762.46	6^-	1903.35	5^+	(E1)	A_2=−0.11 *4*, A_4=−0.02 *6*; pol.=+0.9 *3* (1993Se01).
874.5 *2*	0.29 *1*	2362.98	5^+	1488.31	4^+	M1+E2	A_2=+0.5 *1*, A_4=+0.1 *1*; pol.=+0.5 *2* (1993Se01). δ: +0.5 *1* or +1.8 *5* (2000Ga08).

$^{126}_{54}Xe_{72}$-7

^{123}Te(α,nγ) 1993Se01,2000Ga08 (continued)

$\gamma(^{126}Xe)$ (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[&]	δ[&]	Comments
878.5 *1*	0.24 *4*	3314.10	10^+	2435.59	8^+	E2		A_2=+0.26 *5*, A_4=−0.12 *7*; pol.=+0.9 *1* (1993Se01).
879.9 *1*	5.78 *5*	879.84	2^+	0.0	0^+	E2		A_2=+0.122 *4*, A=+0.003 *6*; pol.=+0.57 *2* (1993Se01).
884.6 *1*	0.28 *1*	2788.00	$(5^+,6^-)$	1903.35	5^+			A_2=−0.26 *5*, A_4=−0.28 *7*; pol.=+0.6 *1* (1993Se01).
906.8 *1*	0.20 *2*	2395.21	$(3,4^+)$	1488.31	4^+			A_2=+0.28 *7*, A_4=−0.1 *1*; pol.=+0.5 *4* (1993Se01).
908[‡]		2811.5		1903.35	5^+			
916[‡]		3217.4		2301.38	$5^{(-)}$			
924.1 *1*	0.11 *1*	3359.70	10^+	2435.59	8^+	E2		A_2=+0.6 *1*, A_4=−0.5 *1*; pol.=+0.9 *3* (1993Se01).
925.3 *1*	0.83 *5*	1313.88	0^+	388.61	2^+	E2		A_2=−0.08 *2*, A_4=−0.04 *3*; pol.=+0.6 *1* (1993Se01).
926.1 *1*	0.45 *5*	2414.19	$5^{(-)}$	1488.31	4^+	(E1)		A_2=+0.28 *9*, A_4=−0.2 *1*; pol.=+0.6 *1* (1993Se01).
929.0 *1*	8.05 *5*	1317.61	3^+	388.61	2^+	M1+E2	+1.9 *2*	A_2=+0.331 *3*, A_4=+0.045 *5*; pol.=+0.31 *2* (1993Se01). δ: from 2000Ga08. Other: +2.3 *+13−18* (1993Se01).
944.8 *1*	0.67 *2*	2262.19	(3)	1317.61	3^+	D+Q		A_2=+0.2 *3*, A_4=−0.09 *5*; pol.=+0.6 *2* (1993Se01). δ: −0.04 *20* or +0.00 *8* (2000Ga08).
956.4 *1*	1.87 *2*	2591.28	7^-	1634.88	6^+	E1		A_2=−0.222 *8*, A_4=+0.02 *1*; pol.=+0.61 *5* (1993Se01).
961.2 *2*	1.4[@] *4*	1903.07	4^+	941.91	4^+			
961.6 *1*	2.91 *3*	1903.35	5^+	941.91	4^+	M1+E2	+0.8 *3*	A_2=+0.38 *2*, A_4=+0.10 *3*; pol.=+0.28 *5* (1993Se01). δ: from 2000Ga08.
973.9 *1*	0.28 *1*	2608.76	(4,5)	1634.88	6^+			
975[‡]		2878.2		1903.35	5^+			
982[‡]		2885.4		1903.35	5^+			
987.0 *1*	1.35 *5*	2304.58	$4^{(-)}$	1317.61	3^+	(E1)		A_2=−0.10 *2*, A_4=−0.02 *3*; pol.=+0.7 *5* (1993Se01).
988.0 *1*	0.68 *5*	2622.81	5,6	1634.88	6^+			A_2=+0.24 *4*, A_4=+0.08 *6* (1993Se01).
1003.9 *2*	0.65 *2*	2321.44	$4^{(-)}$	1317.61	3^+	(E1)		A_2=−0.09 *2*, A_4=−0.04 *3*; pol.=+0.6 *1* (1993Se01).
1004[‡]		2907.5	$3^+,4,5^+$	1903.35	5^+			
1004.2 *2*		2492.50	(6^+)	1488.31	4^+			
1012[‡]		2915.0		1903.07	4^+			
1023.2 *1*	1.39 *2*	1903.07	4^+	879.84	2^+	E2		A_2=+0.21 *1*, A_4=−0.01 *2*; pol.=+0.87 *9* (1993Se01).
1029.4 *1*	0.23 *1*	2664.47	$6^{(+)}$	1634.88	6^+			A_2=−0.4 *3*, A_4=+0.0 *4* (1993Se01).
1032.9 *1*	0.38 *1*	2350.52	(2,3)	1317.61	3^+			A_2=+0.25 *5*, A_4=+0.16 *7*; pol.=+0.6 *4* (1993Se01).
1033[‡]		3396.0		2362.98	5^+			
1042.9 *1*	1.01 *8*	2677.72	7^-	1634.88	6^+	E1		A_2=−0.19 *1*, A_4=+0.02 *2*; pol.=+0.79 *7* (1993Se01).
1044[‡]		2947.8		1903.35	5^+			
1045.3 *1*	1.02 *2*	2362.98	5^+	1317.61	3^+	E2		A_2=+0.23 *2*, A_4=−0.03 *3*; pol.=+0.6 *1* (1993Se01).
1062.9 *1*	0.37 *1*	2004.68	$3^{(-)}$	941.91	4^+	(E1)		A_2=−0.13 *5*, A_4=+0.03 *8*; pol.=+0.4 *2* (1993Se01).
1071[‡]		2973.8	(4,5,6)	1903.07	4^+			
1077.2 *2*	0.12 *1*	2395.21	$(3,4^+)$	1317.61	3^+			
1091[‡]		2993.9		1903.35	5^+			
1093[‡]		2996.1		1903.07	4^+			

$^{126}_{54}Xe_{72}$-8

^{123}Te(α,nγ) 1993Se01,2000Ga08 (continued)

$\gamma(^{126}Xe)$ (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[&]	δ[&]	Comments
1099.8 *1*	1.57 *2*	1488.31	4^+	388.61	2^+	E2		A_2=+0.25 *1*, A_4=−0.01 *2*; pol.=+0.66 *8* (1993Se01).
1100.2 *1*		2042.09	$4^{(+)}$	941.91	4^+	D+Q	+0.19 *7*	δ: from 2000Ga08.
1101.6[#]		2419.06	$1^+,2^+$	1317.61	3^+			
1110.4 *2*	0.28 *1*	2598.49	5	1488.31	4^+			A_2=−0.15 *5*, A_4=+0.12 *7*; pol.=+1.0 *4* (1993Se01).
1120.6 *2*	0.22 *1*	2608.76	(4,5)	1488.31	4^+			A_2=−0.23 *6*, A_4=+0.07 *8*; pol.=+0.3 *2* (1993Se01).
1127.6 *1*	0.57 *1*	2762.46	6^-	1634.88	6^+	E1		A_2=+0.27 *3*, A_4=+0.03 *4*; pol.=+0.0 *2* (1993Se01). δ: 0.0 *+12−4* (1993Se01).
1143[‡]		3578.6		2435.59	8^+			
1144[‡]		2632.3		1488.31	4^+			
1144.4[#]		2086.4	2^+	941.91	4^+			
1154[‡]		2642.4		1488.31	4^+			
1155[‡]		2789.8	(5)	1634.88	6^+			
1184.2 *1*	0.44 *2*	2064.04	$2^{(+)}$	879.84	2^+	(M1+E2)		A_2=−0.05 *6*, A_{44}=−0.06 *8*; pol.=+0.8 *2* (1993Se01). δ: +0.7 *+70−9* or +0.14 *18* or +1.7 *+10−5* (2000Ga08).
1190[‡]		3625.6		2435.59	8^+			
1206.7[#]		2086.4	2^+	879.84	2^+	D+Q	+0.9 *+5−3*	δ: from 2000Ga08.
1208[‡]		2525.6		1317.61	3^+			
1214[‡]		2702.1		1488.31	4^+			
1220.1 *1*	0.91 *2*	2537.71	4	1317.61	3^+			A_2=−0.17 *2*, A_4=+0.06 *3*; pol.=+0.6 *1* (1993Se01).
1240.5[#]		2875.4	$(5^+,7^+)$	1634.88	6^+	D+Q		δ: −2.9 *+5−7* or −0.38 *8* for J=5 or +0.35 *8* or +2.5 *+7−5* for J=7 (2000Ga08).
1245.8 *1*	0.79 *2*	2880.87	7^-	1634.88	6^+	E1		A_2=−0.23 *2*, A_4=−0.05 *3*; pol.=+1.0 *1* (1993Se01).
1253.5 *1*	0.23 *1*	2741.76	$5^{(-)}$	1488.31	4^+	(E1)		A_2=−0.31 *7*, A_4=−0.3 *1*; pol.=+1.0 *5* (1993Se01).
1265.4[#]		2753.43	$3^+,4,5^+$	1488.31	4^+			
1272.1 *2*	0.26 *1*	2214.22	6^+	941.91	4^+	E2		A_2=+0.25 *6*, A_4=−0.03 *8*; pol.=−0.3 *3* (1993Se01).
1290.0 *1*	0.42 *2*	1678.52	2^+	388.61	2^+	D+Q		δ: +3.0 *+9−6* or +0.47 *8* (2000Ga08).
1299.7[#]		2934.6	$(5^+,7^+)$	1634.88	6^+	D+Q		δ: −0.2 *1* or −8 *+4−91* for J=5 or +0.2 *1* or +5 *+8−2* for J=7 (2000Ga08).
1314[‡]		2631.7		1317.61	3^+			
1317.6 *1*		2952.22	(7,8)	1634.88	6^+			
1342[‡]		2830.8		1488.31	4^+			
1359.4 *1*	2.23 *4*	2301.38	$5^{(-)}$	941.91	4^+	(E1)		A_2=−0.244 *9*, A_4=+0.06 *1*; pol.=+0.8 *6* (1993Se01).
1362[‡]		2850.3		1488.31	4^+			
1368[‡]		3002.9		1634.88	6^+			
1371.9[#]		1760.5	0^+	388.61	2^+			
1379.6 *1*	1.44 *3*	2321.44	$4^{(-)}$	941.91	4^+	(E1)		A_2=+0.24 *2*, A_4=−0.02 *2*; pol.=+0.4 *2* (1993Se01).
1382.1 *1*	0.18 *1*	2262.19	(3)	879.84	2^+			A_2=−0.4 *1*, A_4=−0.2 *2* (1993Se01).
1408.3 *3*	0.17 *1*	2350.52	(2,3)	941.91	4^+			A_2=−0.06 *8*, A_4=−0.3 *1* (1993Se01).

$^{126}_{54}Xe_{72}$-9

^{123}Te(α,nγ) 1993Se01,2000Ga08 (continued)

$\gamma(^{126}Xe)$ (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[&]	δ[&]	Comments
1422[‡]		2739.6		1317.61	3^+			
1425.8 *1*	0.73 *2*	2305.64	(2,3)	879.84	2^+			A_2=+0.17 *5*, A_4=−0.05 *7*; pol.=+0.7 *5* (1993Se01).
1435.1 *1*	0.73 *3*	2314.87	(3^-)	879.84	2^+			A_2=−0.19 *3*, A_4=−0.03 *4* (1993Se01).
1435.8[#]		2753.43	3^+,$4,5^+$	1317.61	3^+			
1453.5 *1*	0.60 *2*	2395.21	($3,4^+$)	941.91	4^+	D+Q		A_2=+0.22 *4*, A_4=−0.01 *6*; pol.=−0.02 *9* (1993Se01). δ: +0.09 *8* for J=3 or −0.39 *6* for J=4 (2000Ga08).
1456[‡]		3090.9		1634.88	6^+			
1470.7 *1*	0.45 *3*	2350.52	(2,3)	879.84	2^+			A_2=+0.26 *6*, A_4=−0.23 *9* (1993Se01).
1471[‡]		3105.9		1634.88	6^+			
1472.1 *1*	1.46 *4*	2414.19	$5^{(-)}$	941.91	4^+			A_2=−0.31 *2*, A_4=+0.08 *2* (1993Se01).
1494[‡]		2811.5		1317.61	3^+			
1521[‡]		3156.2		1634.88	6^+			
1531[‡]		2848.5		1317.61	3^+			
1539.2 *1*	0.23 *1*	2419.06	1^+,2^+	879.84	2^+			
1550.5 *1*	0.19 *1*	2492.50	(6^+)	941.91	4^+			
1560[‡]		2877.2		1317.61	3^+			
1561[‡]		3195.9		1634.88	6^+			
1573.2 *1*	0.47 *2*	2515.12	(3)	941.91	4^+			A_2=+0.2 *5*, A_4=+0.11 *6*; pol.=+0.5 *6* (1993Se01).
1590[‡]		2907.5	3^+,$4,5^+$	1317.61	3^+			
1608[‡]		3242.9		1634.88	6^+			
1609.8 *1*	0.67 *2*	2489.53	(2^+)	879.84	2^+	D+Q		A_2=+0.13 *5*, A_4=−0.24 *8* (1993Se01). δ: +0.6 *+6−4* or +0.3 *2* or +1.2 *+9−5* (2000Ga08).
1615.9 *1*	1.79 *3*	2004.68	$3^{(-)}$	388.61	2^+	(E1)		A_2=−0.23 *1*, A_4=+0.04 *2*; pol.=+1.0 *1* (1993Se01).
1636[‡]		3270.9		1634.88	6^+			
1641[‡]		2520.7	0^+,1,2	879.84	2^+			
1653.5 *1*	0.89 *2*	2042.09	$4^{(+)}$	388.61	2^+	(Q)		A_2=+0.15 *3*, A_4=−0.01 *4* (1993Se01).
1656.5 *1*	0.43 *2*	2598.49	5	941.91	4^+			A_2=−0.34 *4*, A_4=+0.07 *6*; pol.=+0.5 *6* (1993Se01).
1663[‡]		3297.9		1634.88	6^+			
1666.0 *4*		2608.76	(4,5)	941.91	4^+			
1675.4 *1*	0.58 *2*	2064.04	$2^{(+)}$	388.61	2^+	D(+Q)	+0.00 *5*	A_2=+0.24 *5*, A_4=−0.04 *7* (1993Se01). δ: from 2000Ga08.
1677[‡]		3312.6		1634.88	6^+			
1678.2 *2*	0.80 *2*	1678.52	2^+	0.0	0^+			A_2=+0.01 *3*, A_4=+0.11 *4*; pol.=+0.5 *4* (1993Se01).
1684[‡]		3001.6		1317.61	3^+			
1694[‡]		3328.9		1634.88	6^+			
1700[‡]		2642.4		941.91	4^+			

$^{126}_{54}Xe_{72}$-10

^{123}Te(α,nγ) 1993Se01,2000Ga08 (continued)

$\gamma(^{126}Xe)$ (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[&]	δ[&]	Comments
1722.7 *1*	0.32 *2*	2664.47	$6^{(+)}$	941.91	4^+	(E2)		A_2=+0.4 *1*, A_4=−0.0 *2*; pol.=+0.8 *4* (1993Se01).
1724[‡]		2603.8		879.84	2^+			
1725[‡]		3359.9		1634.88	6^+			
1739[‡]		2680.9		941.91	4^+			
1752[‡]		2631.7		879.84	2^+			
1760[‡]		2702.1		941.91	4^+			
1763[‡]		2642.4		879.84	2^+			
1799.4 *2*	0.13 *1*	2741.76	$5^{(-)}$	941.91	4^+			
1815.1[#]		2694.7		879.84	2^+			
1823.6[#]		2765.5	$(3^+,5^+)$	941.91	4^+	D+Q		δ: −0.32 *9* or −6 *+2−5* for J=3 or +0.3 *1* for J=5 (2000Ga08).
1847.8[#]		2789.8	(5)	941.91	4^+	D+Q		δ: −0.05 *8* or +14 *+151−7* or ≤−100 (2000Ga08).
1859[‡]		2800.9		941.91	4^+			
1877[‡]		2756.8		879.84	2^+			
1877[‡]		3194.6		1317.61	3^+			
1909[‡]		3543.9		1634.88	6^+			
1925.9 *2*	0.16 *1*	2314.87	(3^-)	388.61	2^+			A_2=−0.3 *1*, A_4=+0.1 *2* (1993Se01).
1936[‡]		2878.2		941.91	4^+			
1956[‡]		2897.9		941.91	4^+			
1970.0 *3*	0.13 *2*	2358.82	1^+	388.61	2^+	D+Q	+0.8 *+10−5*	δ: from 2000Ga08. A_2=−0.5 *2*, A_4=−0.2 *3* (1993Se01).
1987[‡]		2928.9		941.91	4^+			
1997[‡]		2877.2		879.84	2^+			
2011[‡]		2952.9		941.91	4^+			
2020[‡]		2961.9		941.91	4^+			
2030.5[#]		2419.06	$1^+,2^+$	388.61	2^+			
2057[‡]		2998.9		941.91	4^+			
2062[‡]		2941.9		879.84	2^+			
2086.4[#]		2086.4	2^+	0.0	0^+			
2099.8 *3*	0.17 *1*	2489.53	(2^+)	388.61	2^+			A_2=+0.9 *3*, A_4=−0.8 *4* (1993Se01).
2131[‡]		3072.9		941.91	4^+			
2132[‡]		2520.7	$0^+,1,2$	388.61	2^+			
2146[‡]		3025.9		879.84	2^+			
2157[‡]		3099.3		941.91	4^+			
2176.9[#]		2565.5		388.61	2^+			δ: +0.3 *1* for J=3 (2000Ga08).

$^{126}_{54}Xe_{72}$-11

^{123}Te(α,nγ) 1993Se01,2000Ga08 (continued)

$\gamma(^{126}Xe)$ (continued)

E_γ †	E_i(level)	J_i^π	E_f	J_f^π	E_γ †	E_i(level)	J_i^π	E_f	J_f^π
2206‡	2594.6		388.61	2^+	2371‡	2759.6		388.61	2^+
2297‡	2685.6		388.61	2^+	2409‡	2797.6	0^+,1,2	388.61	2^+
2359.1#	2358.82	1^+	0.0	0^+	2430‡	2818.6		388.61	2^+
					2471‡	2859.6		388.61	2^+

† From 1993Se01, unless otherwise noted.
‡ Shown only in figures of the level scheme (1993Se01). Evaluators assumed 1 keV error.
# From 2000Ga08. Shown only in figures of the level scheme or in Table 2. Evaluators assumed 0.3 keV error below 1 MeV. Above 1 MeV, 0.5 keV error for Eγ's quoted to nearest tenth of a keV and 1 keV quoted to nearest keV.
@ Calculated from the branching ratios in 2000Ga08 and the intensity of 1023 keV γ in 1993Se01.
& From $\gamma(\theta)$, $\gamma\gamma(\theta)$ and linear pol.
a Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

$^{126}_{54}Xe_{72}$-12

^{123}Te(α,nγ) 1993Se01,2000Ga08

Level Scheme

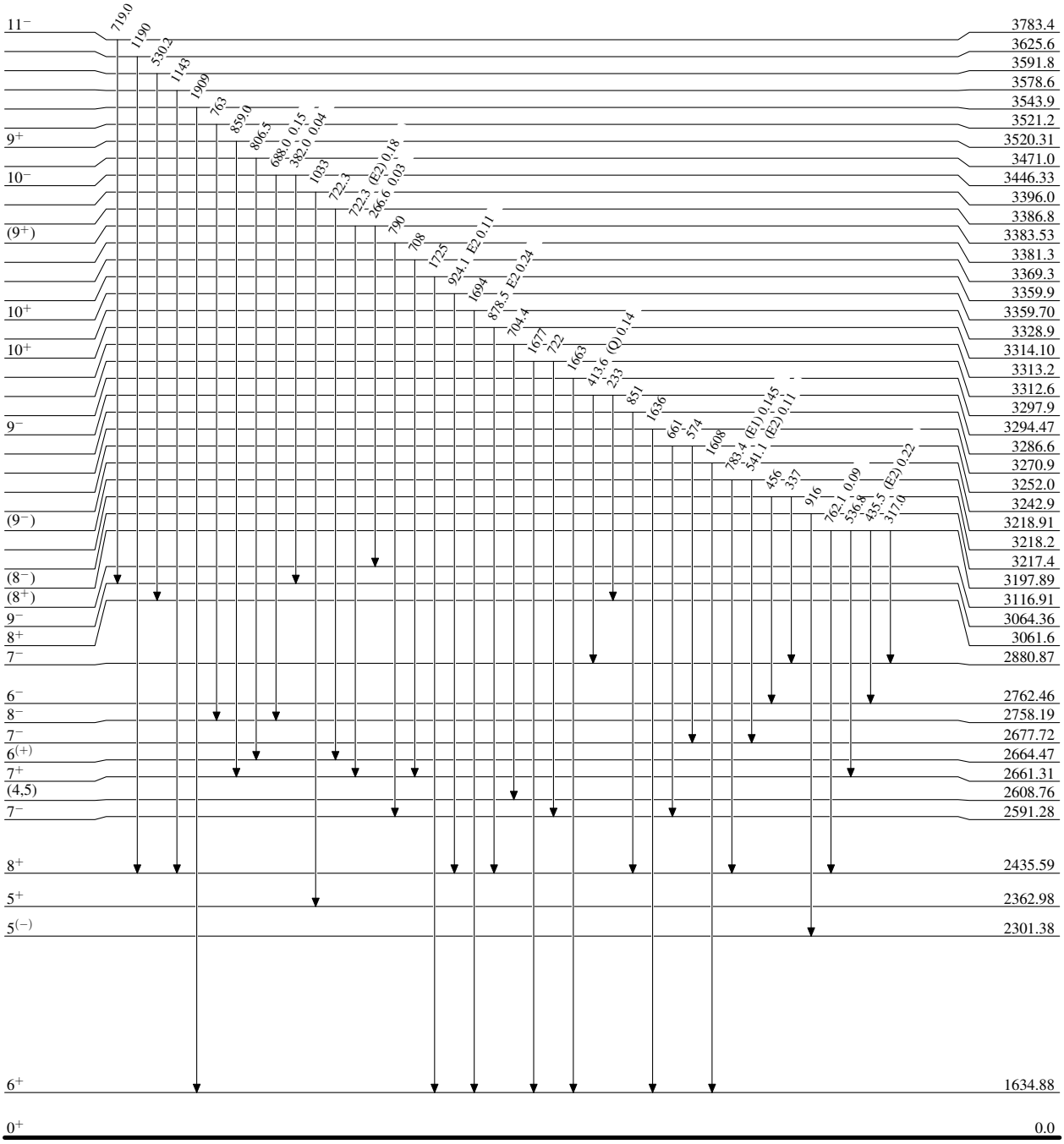
Intensities: Relative I_γ

Legend

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

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

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



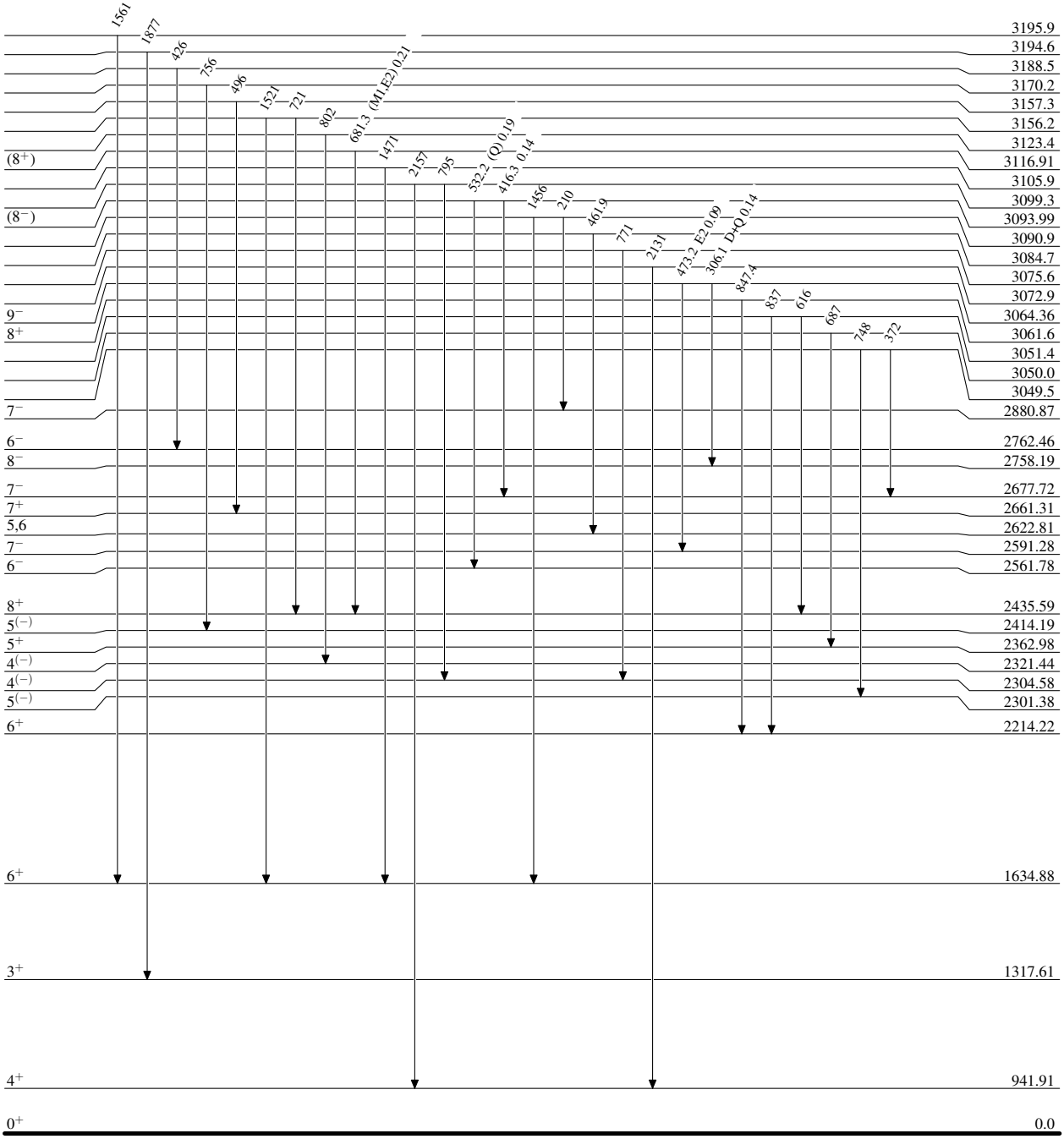
$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) 1993Se01,2000Ga08

Level Scheme (continued)

Intensities: Relative I_γ

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



$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) **1993Se01,2000Ga08**

Level Scheme (continued)

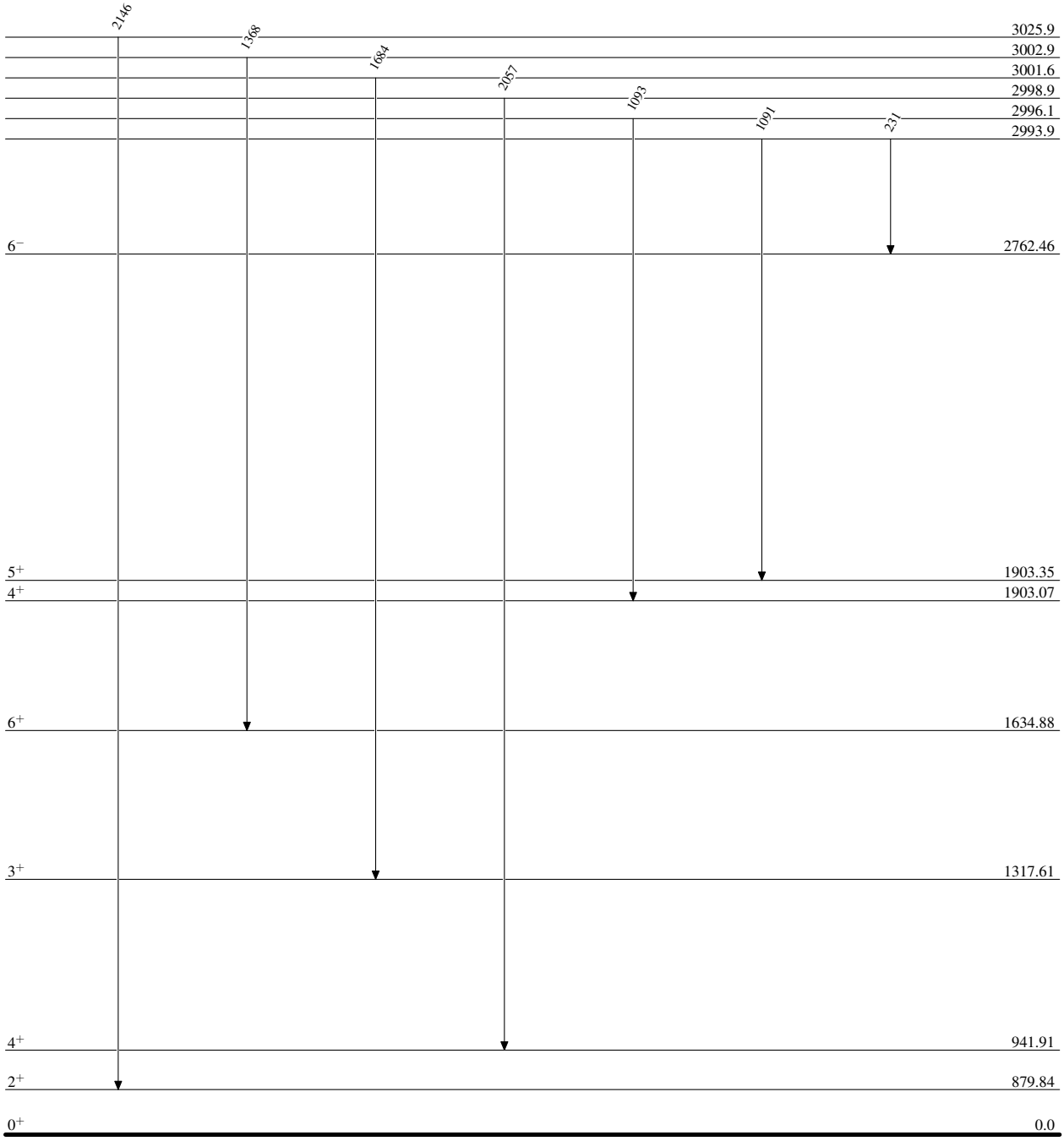
Intensities: Relative I_γ

Legend

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

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

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



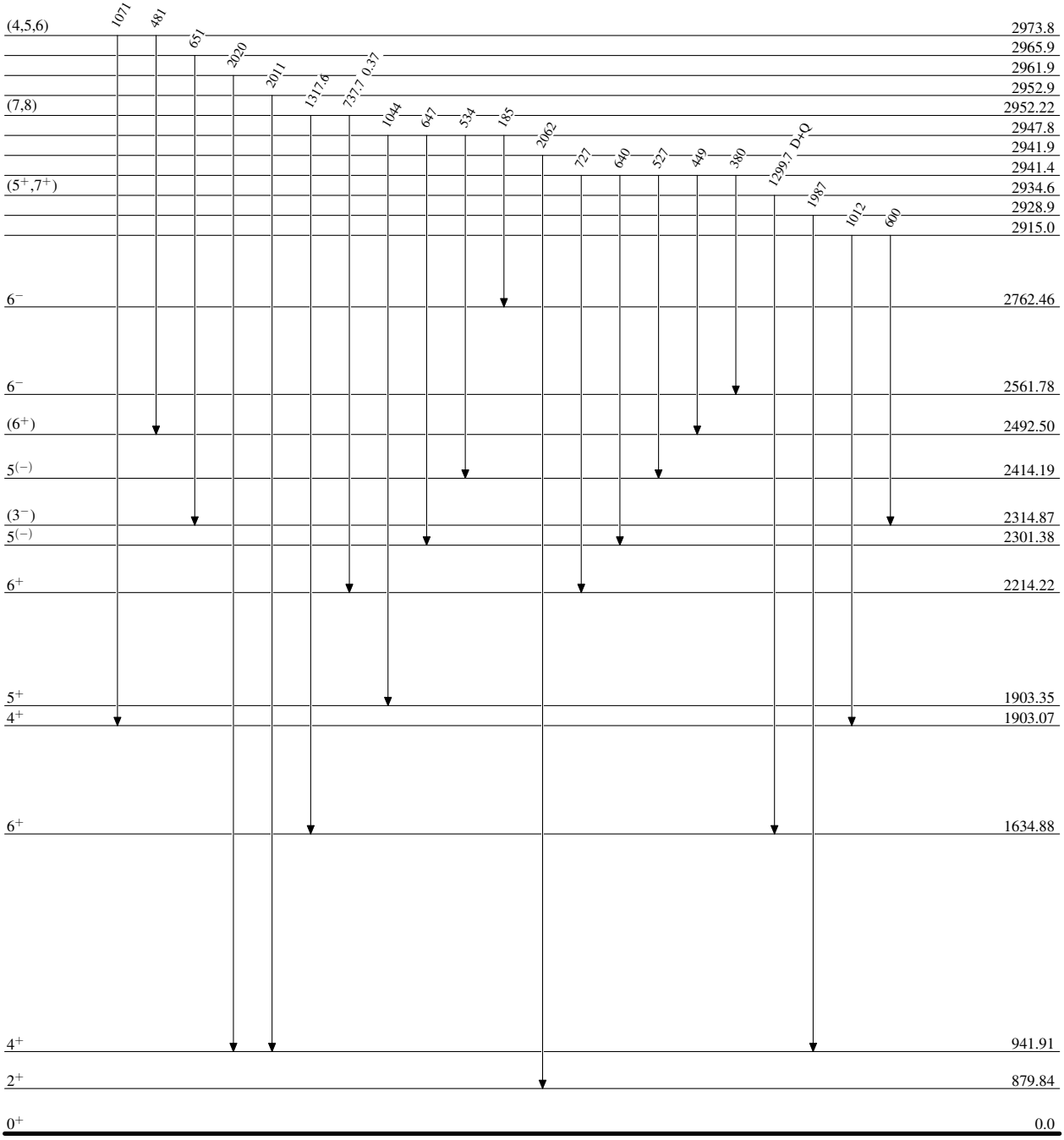
$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) **1993Se01,2000Ga08**

Level Scheme (continued)

Intensities: Relative I_γ

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



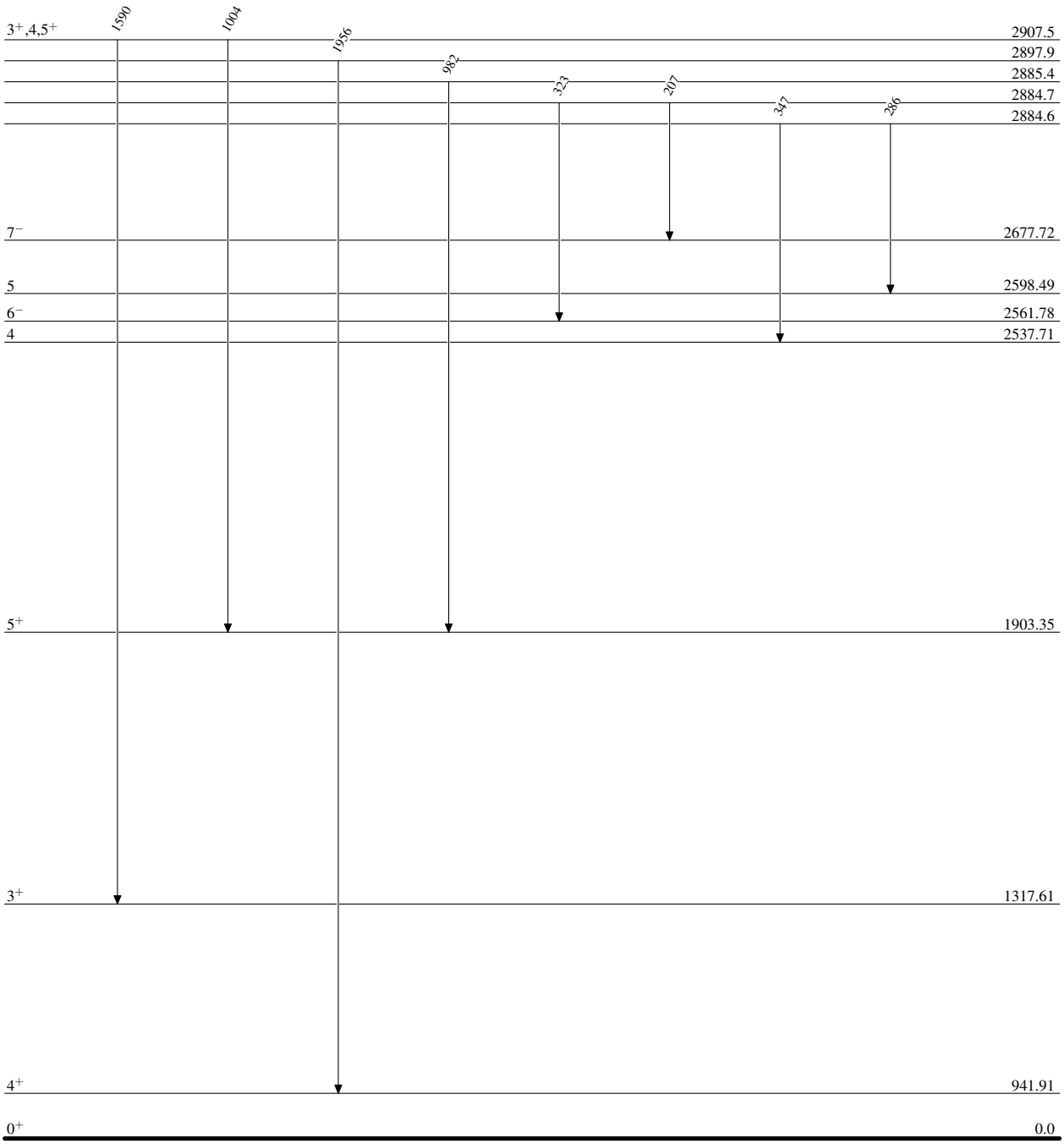
$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) 1993Se01,2000Ga08

Level Scheme (continued)

Intensities: Relative I_γ

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

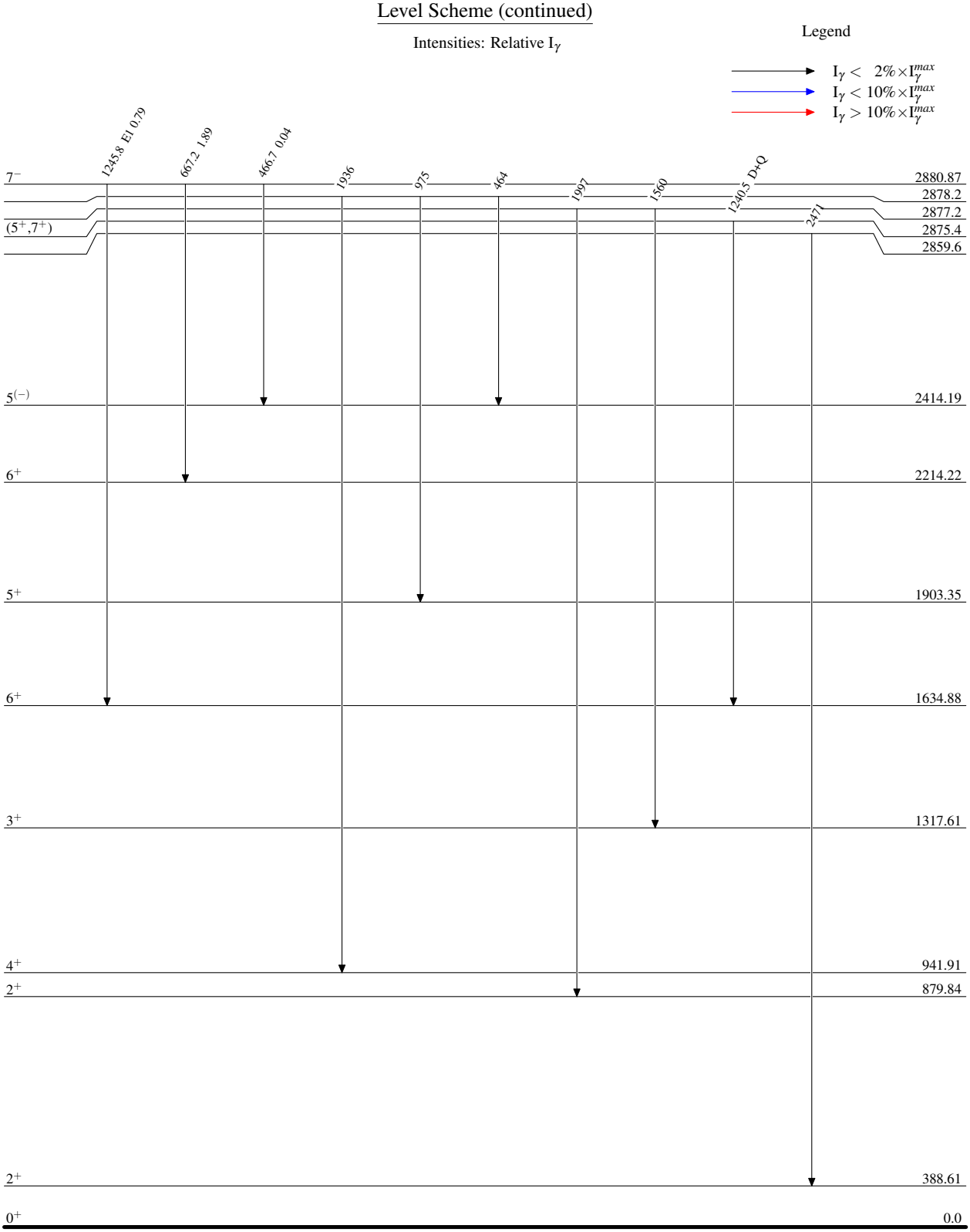


$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) 1993Se01,2000Ga08

Level Scheme (continued)

Intensities: Relative I_γ

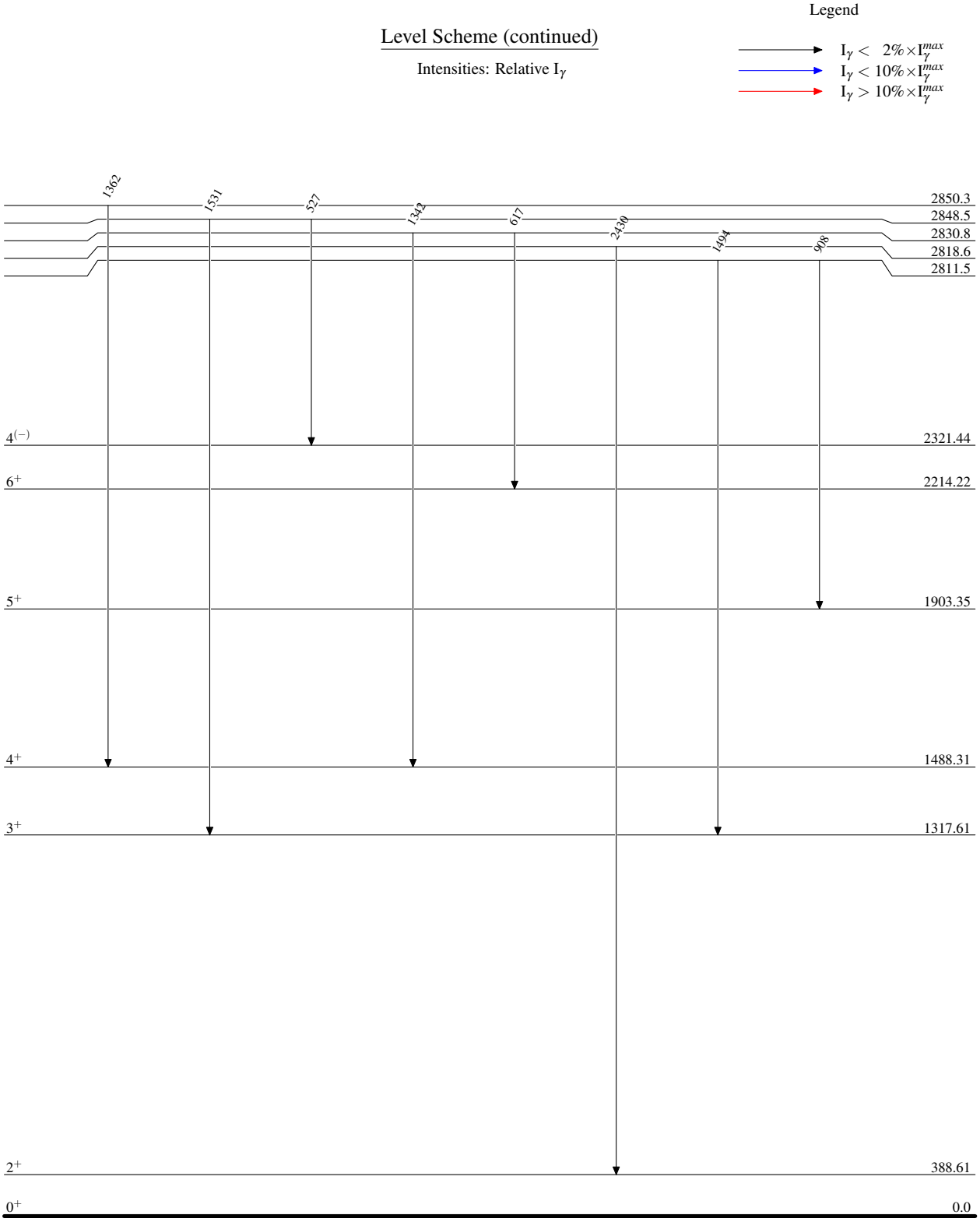


$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) 1993Se01,2000Ga08

Level Scheme (continued)

Intensities: Relative I_γ



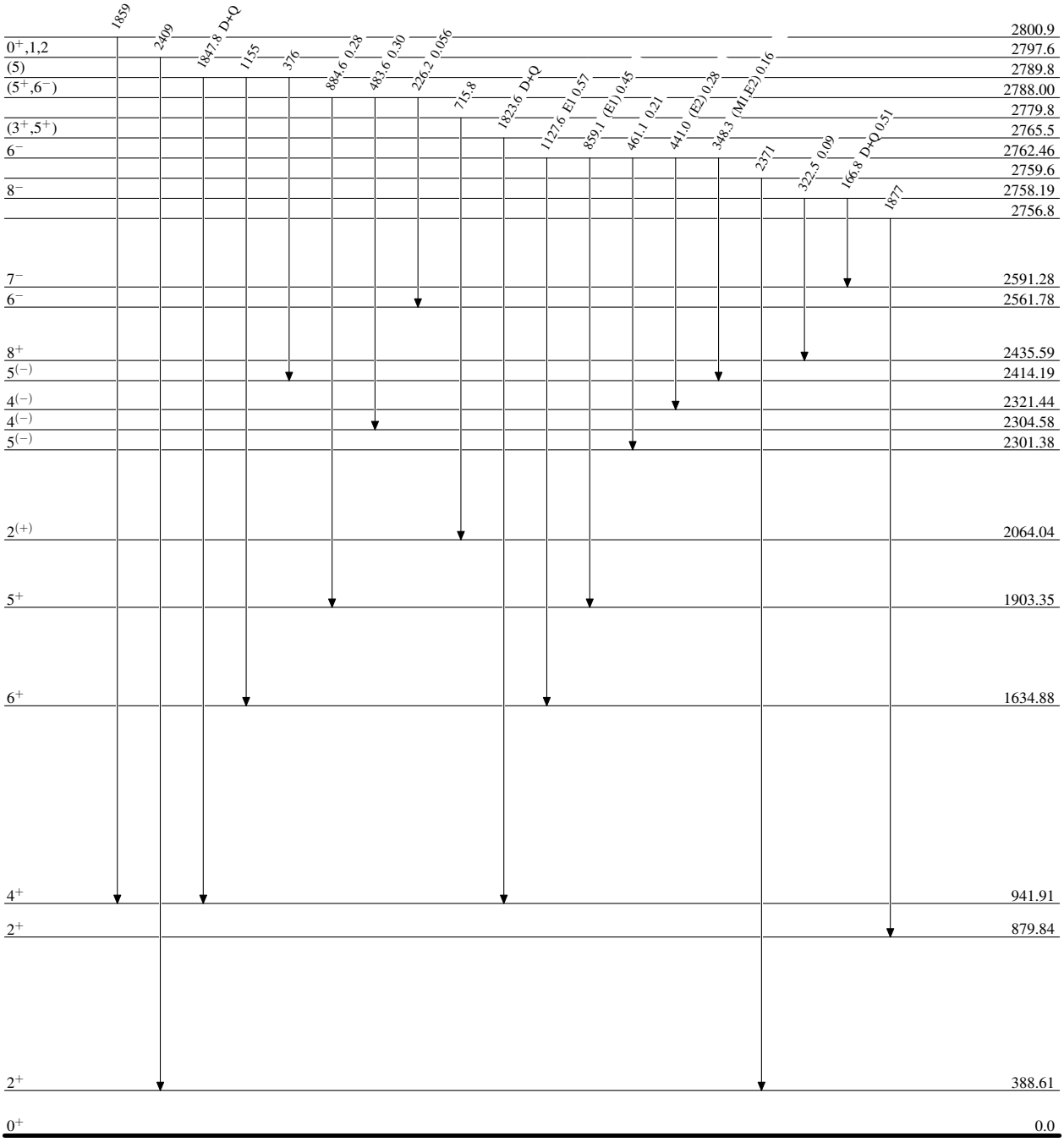
$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) 1993Se01,2000Ga08

Level Scheme (continued)

Intensities: Relative I_γ

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



$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) 1993Se01,2000Ga08

Level Scheme (continued)

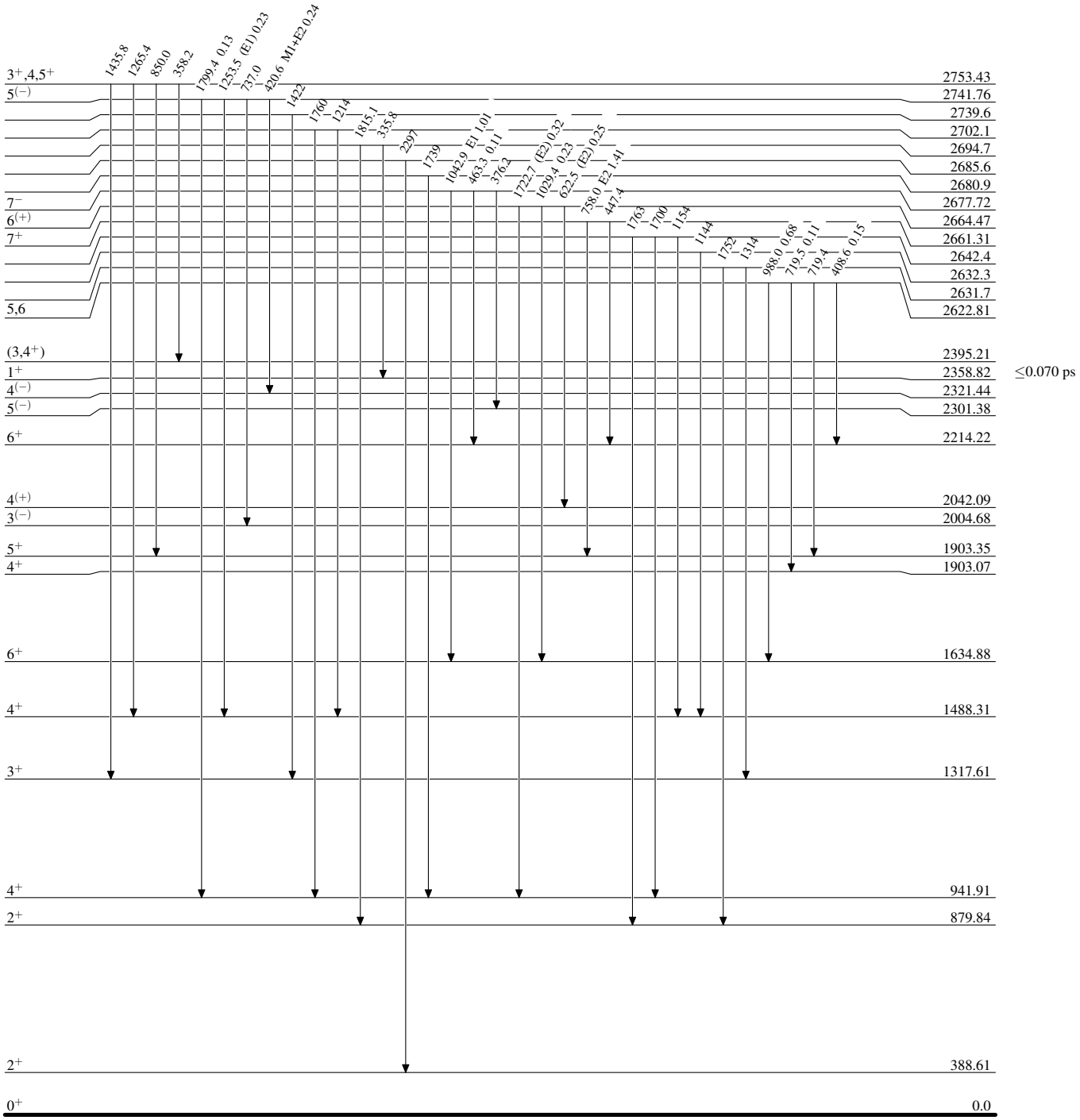
Intensities: Relative I_γ

Legend

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

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

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



$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) 1993Se01,2000Ga08

Level Scheme (continued)

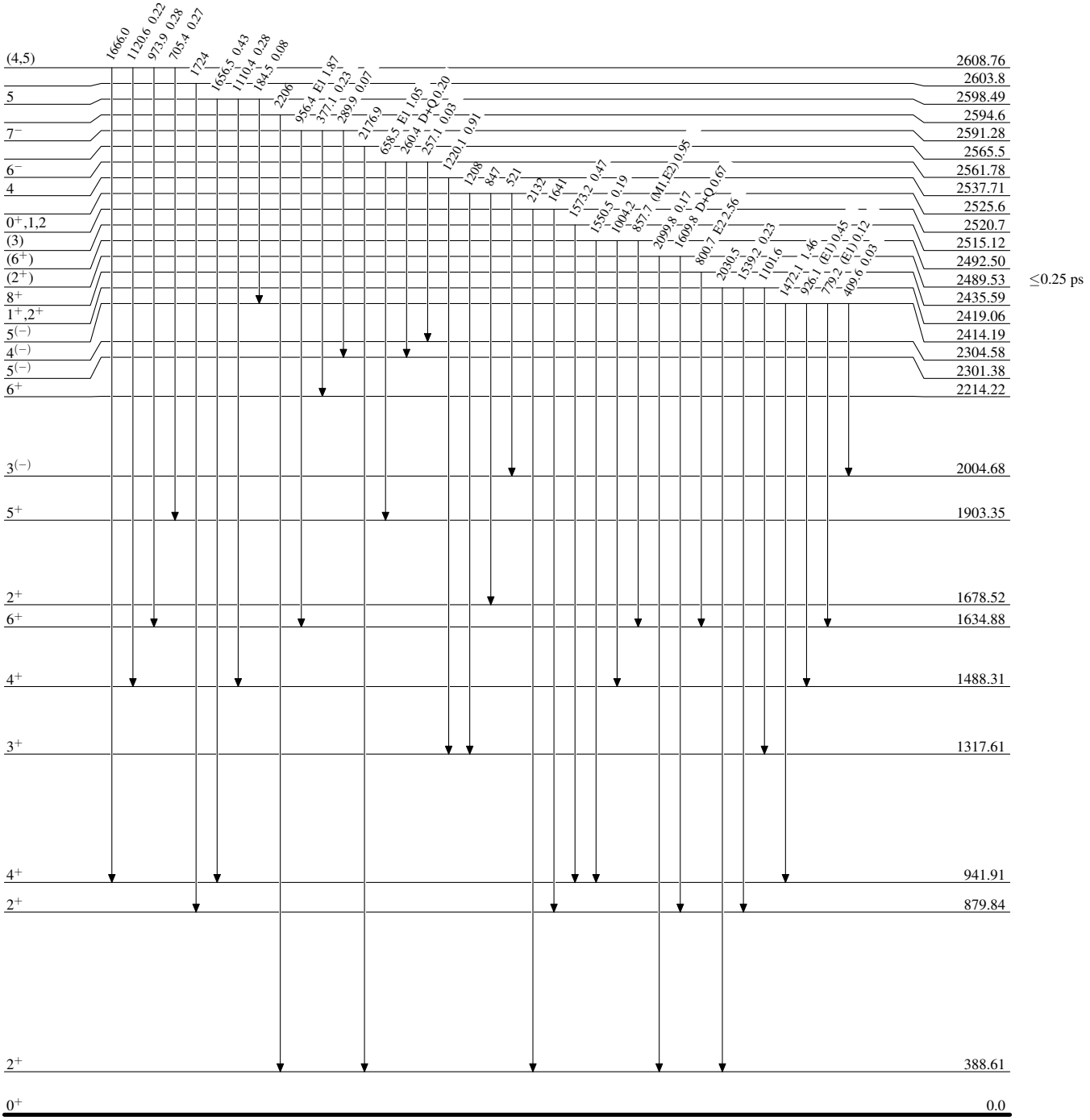
Intensities: Relative I_γ

Legend

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

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

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

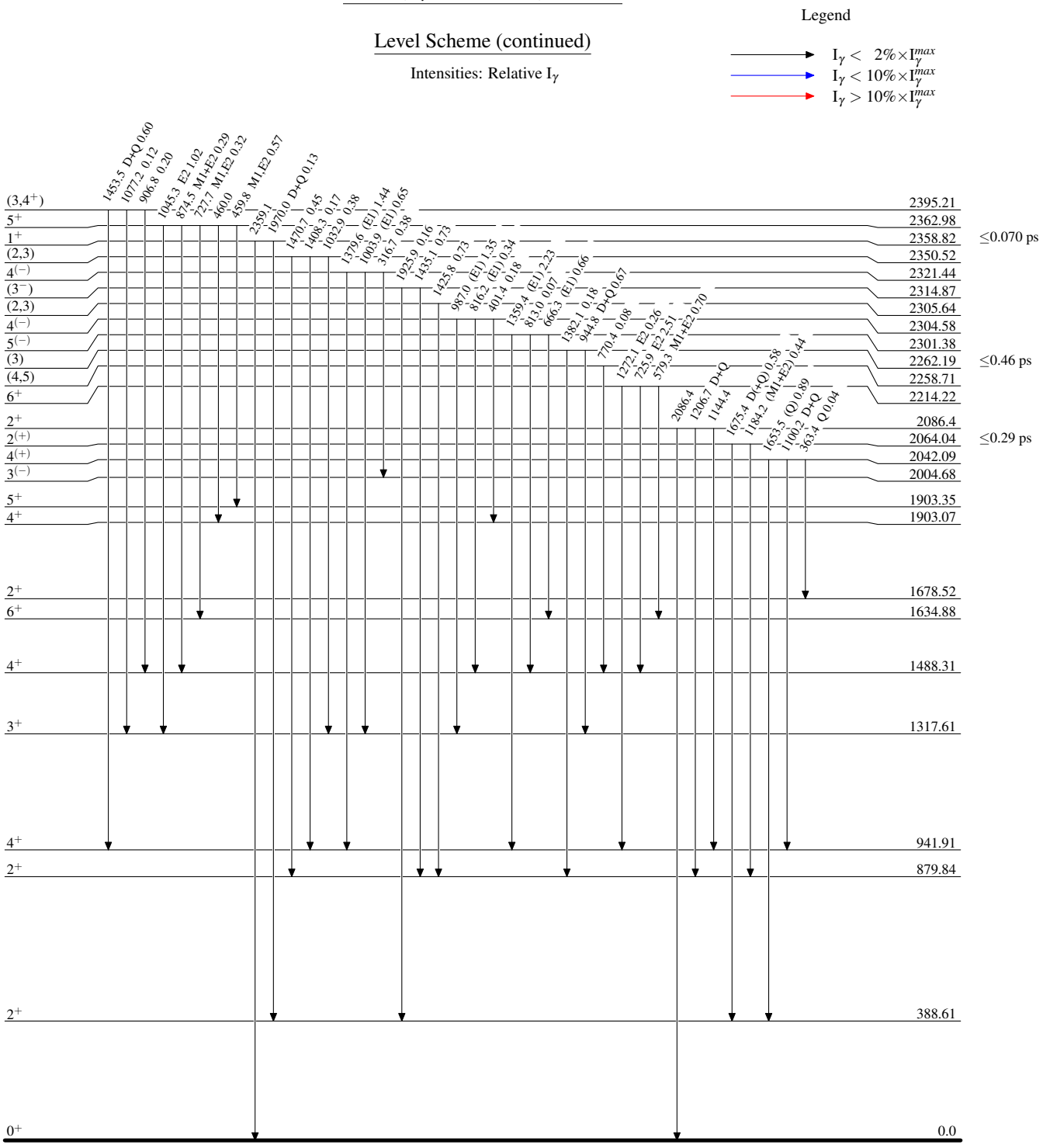


$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) 1993Se01,2000Ga08

Level Scheme (continued)

Intensities: Relative I_γ

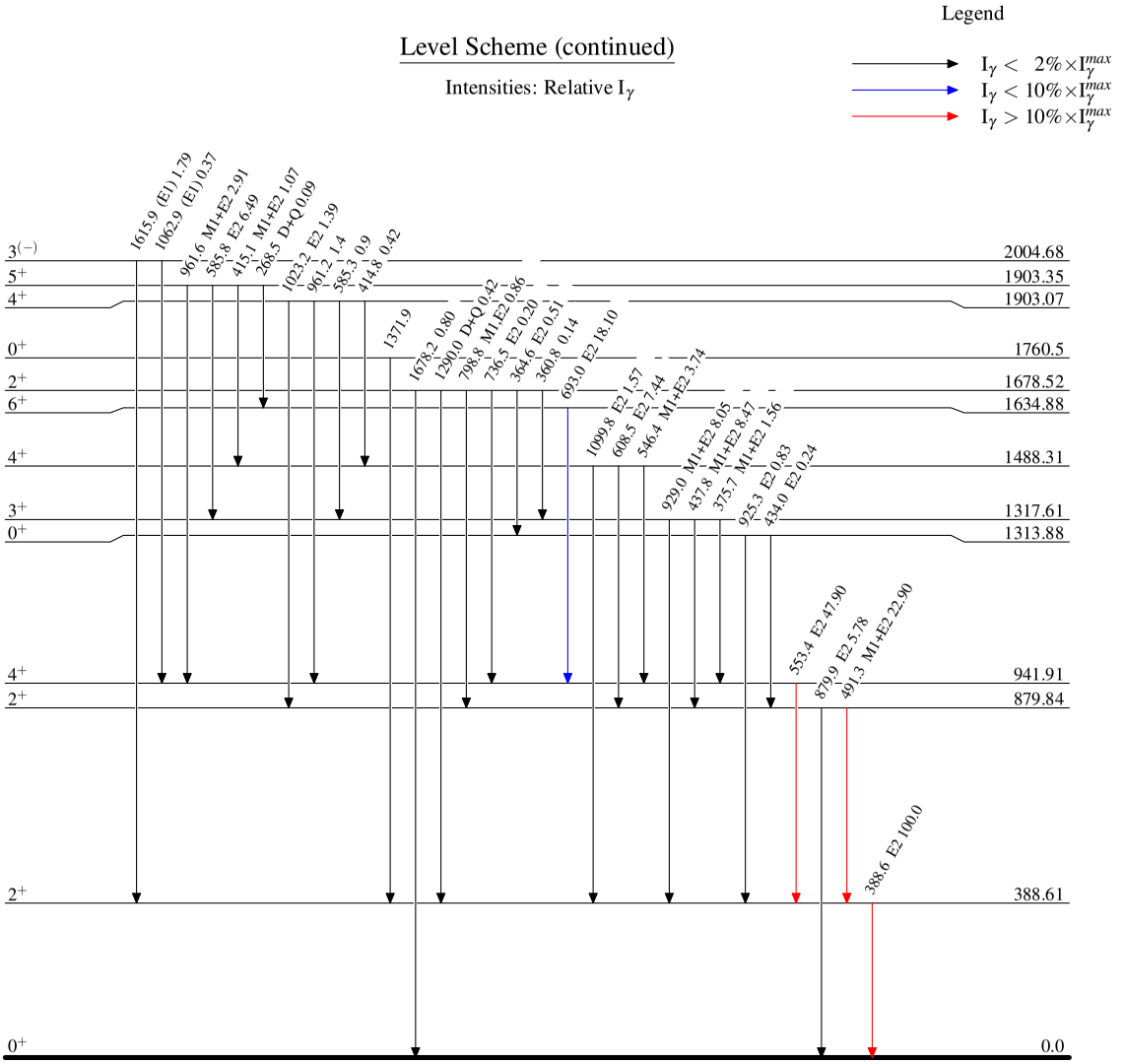


$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) 1993Se01,2000Ga08

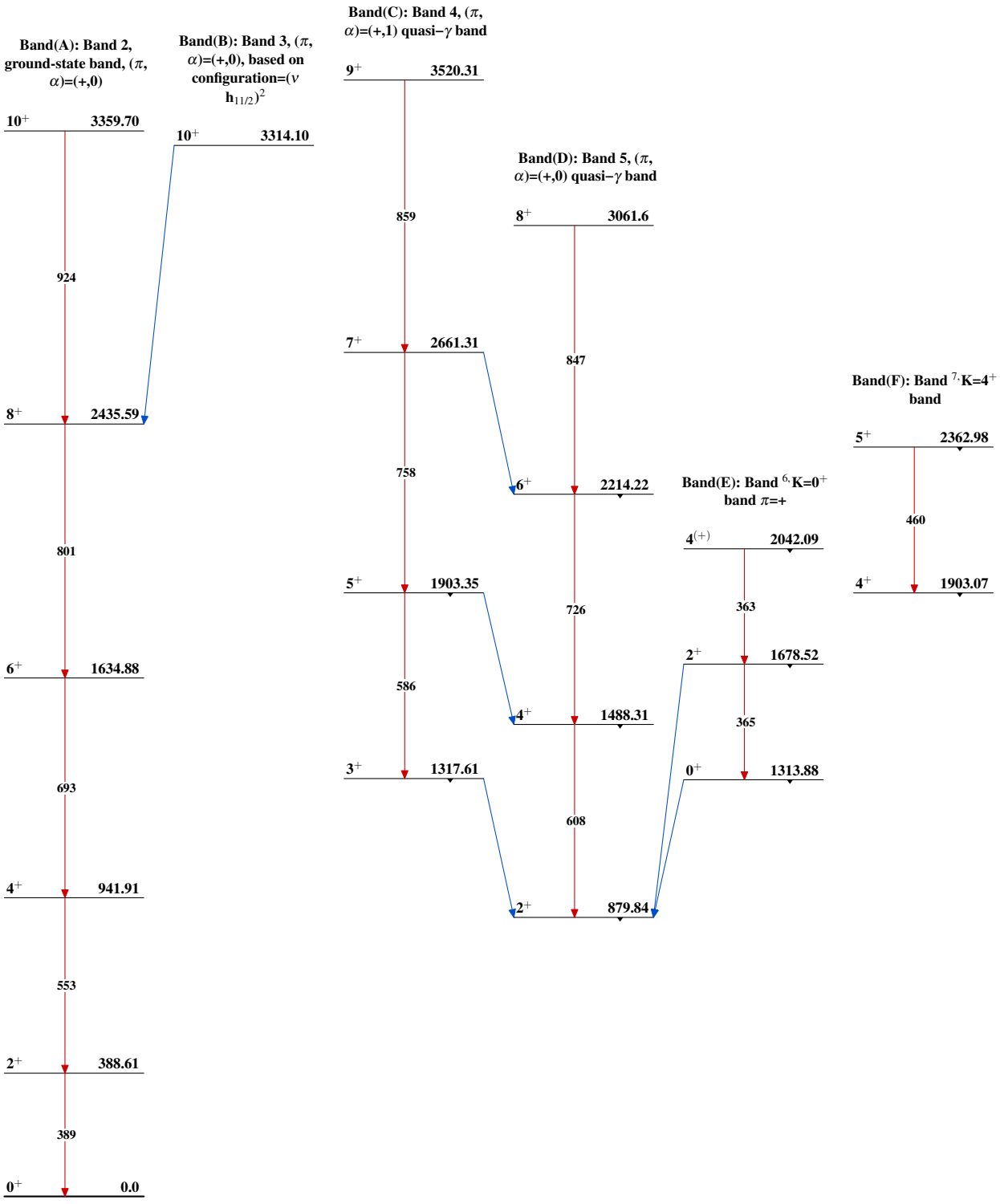
Level Scheme (continued)

Intensities: Relative I_γ



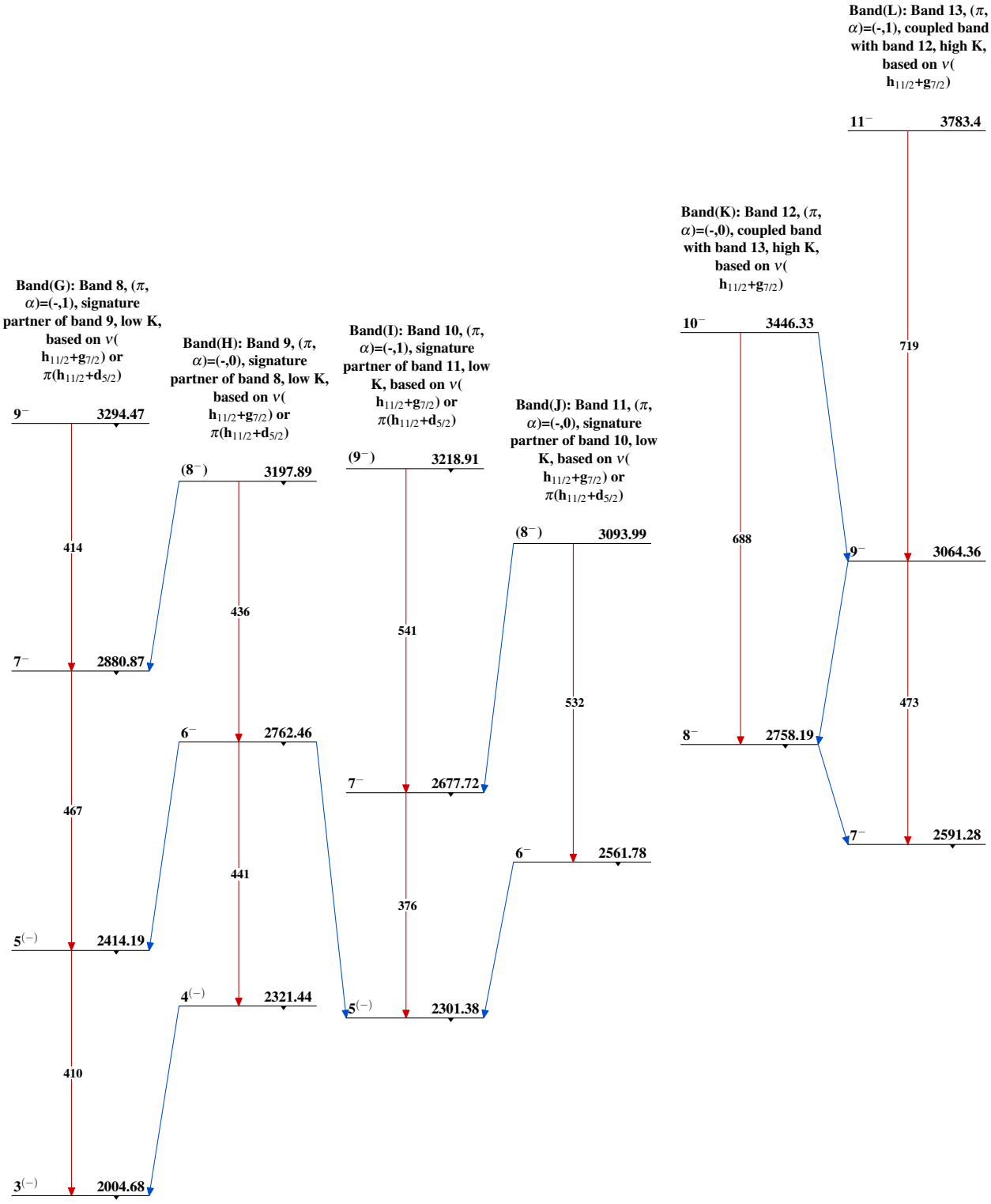
$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) 1993Se01,2000Ga08



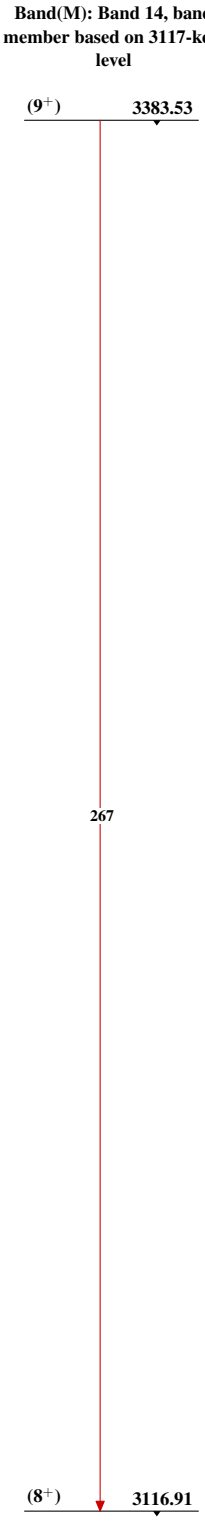
$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) 1993Se01,2000Ga08 (continued)



$^{126}_{54}Xe_{72}$

^{123}Te(α,nγ) 1993Se01,2000Ga08 (continued)



$^{126}_{54}Xe_{72}$