Adopted Levels, Gammas

History

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

Q(β^-)=−2154 *4*; S(n)=9113.69 *8*; S(p)=9098.0 *21*; Q(α)=−2549.1 *24* 2021Wa16
See 1989Sh02 for μ mesic atom, isotope shift.
1993Wy03 reports antiprotonic atom.

^{126}Te Levels

Cross Reference (XREF) Flags

A	^{126}I ε decay	H	^{130}Te(^{64}Ni,Xγ)	O	^{127}I(d,^{3}He)
B	^{126}Sb β^- decay (12.35 d)	I	^{127}I(μ^-,νnγ)	P	^{128}Te(p,t)
C	^{126}Sb β^- decay (19.15 min)	J	^{124}Sn(^{3}He,n)	Q	^{232}Th(^{37}Cl,Xγ)
D	Coulomb excitation	K	^{125}Te(d,p)	R	^{238}U(^{12}C,Fγ)
E	^{124}Sn(α,2nγ)	L	^{126}Te(γ,γ')	S	^{124}Sn(^{7}Li,p4nγ)
F	^{125}Te(n,γ) E=th	M	^{126}Te(d,d′)		
G	^{126}Te(n,n′γ)	N	^{126}Te(p,p′)		

E(level)[†]	J$^\pi$	T$_{1/2}$[‡]	XREF	Comments
0.0[#]	0$^+$	stable	ABCDEFGHIJKLMNOPQRS	
666.338[#] *9*	2$^+$	4.56 ps *8*	ABCDEFGHI KLMNOPQRS	μ=+0.67 *3*; Q=−0.23 *5* μ: weighted av. of +0.68 *3* (2007St24, 2020StZV), +0.62 *8* (1988Du10), +0.68 *6* (1985ThZX).(transient field technique). Others: +0.64 *2* (2017St11) using recoil-in-vacuum method and calibration data for Te isotopes (excluding the uncertainty in the parametrization), +0.66 *2* (2017St11) using calibration data without ^{125}Te 3/2$^+$ state, +0.38 *6* (1981Sh15). Q from 2016St14, 2021StZZ. J$^\pi$: E2 γ to 0$^+$. T$_{1/2}$: from B(E2)↑=0.471 *6* in Coulomb excitation.
1361.363[#] *13*	4$^+$	2.8 ps *+21−9*	ABCDEFGHI K MNOPQRS	J$^\pi$: stretched E2 γ to 2$^+$. T$_{1/2}$: from B(E2)(2$^+$ to 4$^+$)=0.23 *10* in Coulomb excitation.
1420.186 *11*	2$^+$	1.23 ps *12*	A DEFGHI KLMNOP S	T$_{1/2}$: from (n,n′γ). Other:0.78 ps *+25−15* from B(E2)=0.0042 *10* in Coulomb excitation. J$^\pi$: E2 γ to 0$^+$.
1776.251[#] *22*	6$^+$	68 ps *2*	BC EFGHI MNOPQRS	T$_{1/2}$: from β^- decay (12.35 d). J$^\pi$: stretched E2 γ to 4$^+$ in (α,2nγ).
1873.391 *19*	0$^+$	0.67 ps *+8−6*	A FG IJK MNOP	XREF: J(1920). J$^\pi$: L(p,t)=0.
2013.124 *14*	4$^+$	0.395 ps *35*	FG I MNOP S	J$^\pi$: L(p,p′)=4.
2045.154 *14*	2$^+$	0.73 ps *5*	A FG I K MNOP	XREF: N(2054)P(2049). J$^\pi$: E2γ to 0$^+$.
2113.558 *21*	0$^+$	0.52 ps *+7−6*	FG I K M O	J$^\pi$: from angular distribution analysis of 1447.21 γ in (n,n′γ) (2004Va16).
2128.392 *16*	3$^+$	0.59 ps *+10−8*	FG I O	J$^\pi$: M1+E2 γ's to 2$^+$ and 4$^+$.
2181.492 *17*	1$^+$	0.263 ps *12*	FG I n p	XREF: n(2190)p(2183). J$^\pi$: M1 γ to 0$^+$.
2184.308 *19*	2$^+$	0.0658 ps *14*	FG I K MnOp	XREF: n(2190)p(2183). J$^\pi$: $\gamma(\theta)$ and linear pol. in (n,n′γ).
2218.085 *19*	5$^-$	>1.4 ps	B EFGHI K MN P RS	XREF: N(2227). J$^\pi$: L(p,t), (p,p′)=5 and E1 γ to 4$^+$.
2309.132 *21*	4$^+$	0.312 ps *21*	FG Ij MN P	XREF: j(2310)N(2320).

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Adopted Levels, Gammas (continued)

^{126}Te Levels (continued)

E(level)[†]	Jπ	$T_{1/2}$[‡]	XREF	Comments
				Jπ: E2 γ to 2+ and γ to 6+ Inconsistent with L(^{3}He,n)=2 for E=2310 *40*.
2350.8 *12*			j M	XREF: j(2310).
2385.810 *17*	3−	0.159 ps *5*	D FG I K MN p	XREF: p(2391). Jπ: L(p,t)=3. B(E3)=0.117 *20* in Coulomb excitation. B(E3) and $T_{1/2}$ imply a branching to gs of 0.075% *13*.
2385.976 *20*	4−		FG p	XREF: p(2391). Jπ: E1+(M2) γ to 3+ and M1+E2 γ to 5−.
2396.43 *4*	6+	0.09 ps *+12−4*	BC EFG I O S	Jπ: E2 γ to 4+ and M1(+E2) γ to 6+.
2421.132 *21*	2+	0.0284 ps *14*	FG I K MN P	Jπ: E2 γ to 0+. E(level): (p,t) reports 2430 and 2440 keV states, but the assignment of two states seems to be questionable.
2479.79 *3*	3+,4+	0.284 ps *+28−21*	FG I M	Jπ: E2 γ to 2+ and M1+E2 γ to 4+.
2496.89[@] *5*	7−	0.152 ns *5*	B EFGHI MN pQRS	XREF: N(2480)p(2500). $T_{1/2}$: from ^{126}Sb β− decay (12.35 d). Jπ: L(p,t)=7. γ(θ) in (α,2nγ).
2503.568 *25*	2+	0.208 ps *+21−14*	FG I K Mn p	XREF: n(2505)p(2510). Jπ: E2 γ to 0+.
2515.422 *24*	5−		B FG I K Mn p	XREF: n(2505)p(2510). Jπ: M1+E2 γ to 5−, E1 γ to 6+ and γ to 4+.
2519.28 *20*	4+,5+,6+		G n p	XREF: n(2505)p(2510). Jπ: E1 γ to 5−.
2533.80 *3*	4+	0.340 ps *14*	FG I M P	Jπ: E2 γ to 6+ and γ from 2+.
2577.784 *18*	3+	0.111 ps *7*	FG m Op	XREF: m(2578.0)p(2582). Jπ: M1(+E2) γ's to 2+ and 4+.
2578.5 *5*	0+,1+		K m p	XREF: m(2578.0)p(2582). Jπ: L(d,p)=0.
2585.487 *17*	2+,3+	0.62 ps *8*	FG I M p	XREF: p(2582). Jπ: M1+E2 γ to 2+ and γ to 4+.
2589.02 *13*	5−,6−		G K Op	XREF: p(2582). Jπ: M1+E2 γ's to 5− and E1 γ to 6+.
2639.84 *3*	+	0.152 ps *14*	FG K M P	Jπ: E2 γ's to 2+.
2661.39 *3*	3+,4+,5+	0.21 ps *+25−8*	G I	Jπ: M1+E2 γ's to 4+.
2678.847 *16*	2+	0.53 ps *+25−13*	FG M p	XREF: p(2680). Jπ: E2 γ to 0+.
2682.008 *22*	2+	0.085 ps *+5−4*	FG K Op	XREF: p(2680). Jπ: L(d,p)=2;γ's to 0+ and 4+.
2686.49 *4*	3+,4+,5+	0.174 ps *+28−18*	G p	XREF: p(2680). Jπ: M1+E2 γ to 4+.
2704.55 *7*	(5+,6+)		C G	Jπ: log *ft*=6.32 from (5+) ^{126}Sb; (D+Q) γ to 6+.
2731.12 *4*	(3)+	0.43 ps *+16−9*	FG K Mn	XREF: n(2742). Jπ: γ(θ) and linear pol. in (n,n′γ); negative parity is ruled out by δ(2064.77γ) and $T_{1/2}$, inconsistent with L(d,p)=(3+5).
2737.64 *15*	1+,2+,3+	0.277 ps *+26−18*	G n	XREF: n(2742). Jπ: M1+E2 γ to 2+.
2744.15 *3*	(4+)	0.202 ps *14*	FG K Mn P	XREF: n(2742). Jπ: L(p,p′)=(4), γ to 2+.
2766.11[#] *6*	8+		B EFGHI M pQRS	XREF: p(2770). Jπ: stretched E2 γ to 6+.
2776.23 *20*	4−,5−,6−		G p	XREF: p(2770). Jπ: M1+E2 γ to 5−.
2782.908 *21*	3−,4+	0.0499 ps *28*	FG K M O	Jπ: γ's to 2+ and 5−, inconsistent with L(d,p)=5.
2789.87 *10*		0.38 ps *+13−8*	G	
2801.10 *21*			G M p	XREF: p(2798).

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Adopted Levels, Gammas (continued)

^{126}Te Levels (continued)

E(level)[†]	Jπ	$T_{1/2}$[‡]	XREF	Comments
2802.53 *3*	2^+		F k p	XREF: k(2803.1)p(2798). Jπ: γ's to 0^+ and 4^+.
2803.02 *6*	$3^+,4^+$	0.108 ps *+10−7*	G I k p	XREF: k(2803.1)p(2798). Jπ: E2 γ to 2^+ and M1+E2 γ to 4^+.
2811.34 *21*	5,6,7	0.35 ps *+17−9*	G p	XREF: p(2820). Jπ: D(+Q) γ to 6^+.
2811.5 *3*	(7^-)		B p RS	XREF: p(2820). Jπ: log *ft*=8.37 from (8^-) ^{126}Sb; stretched E2 γ to 5^-.
2812.49 *14*	1		FG LM p	XREF: p(2820). Jπ: D to 0^+ from (γ,γ′).
2813.88 *4*	$2^+,3^+$	0.33 ps *+5−4*	FG K M p	XREF: p(2820). Jπ: M1+E2 γ to 2^+ and γ to 3^-.
2815.94 *8*	$4^-,5^-$		G p	XREF: p(2820). Jπ: M1+E2 γ to 5^- and γ to 3^-.
2833.71 *3*	$1^+,2^+,3^+$	0.136 ps *4*	FG K M p	XREF: p(2820). Jπ: M1+E2 γ to 2^+.
2837.57 *24*		0.004 ps *+4−3*	C G	
2839.7 *6*	$(6)^+$		B M p R	XREF: p(2850). Jπ: log *ft*=9.7 *4* from (8^-); γ's to 6^+ and 4^+.
2858.773 *25*	(3^-)	0.309 ps *35*	FG N p	XREF: p(2850). Jπ: L(p,p′)=(3), γ's to 2^+ and 4^+.
2862.648 *25*	$3^+,4^+$	0.13 ps *+4−3*	FG K M	Jπ: M1+E2 γ to 4^+ and E2 γ to 2^+.
2868.42 *20*	$3^+,4^+,5^+$	0.34 ps *+28−11*	G	Jπ: M1(+E2) γ to 4^+.
2874.23 *20*			G	
2877.25 *3*	2^+	0.160 ps *8*	FG M P	Jπ: E2 γ to 0^+.
2897.92 *5*	1^+	0.152 ps *7*	FG KL p	XREF: p(2910). Jπ: M1 γ to 0^+.
2911.9 *4*		0.122 ps *+28−21*	FG M p	XREF: p(2910).
2927.36 *16*		0.7 ps *+15−3*	G	
2929.5 *8*			M	
2935.84 *3*	2^+	0.259 ps *12*	FG P	Jπ: γ's to 0^+, γ from $3^-,4^+$.
2955.5 *10*			Mn p	XREF: n(2975)p(2960).
2966.78 *10*	$4^+,5,6^+$	0.29 ps *+20−9*	G n p	XREF: n(2975)p(2960). Jπ: γ's to 4^+ and 6^+.
2971.817 *25*	$2^+,3,4^+$	0.193 ps *+33−27*	FG n p	XREF: n(2975)p(2970). Jπ: γ's to 2^+ and 4^+.
2974.47 *3*	1	0.270 ps *+28−21*	FG KLMnOp	XREF: n(2975)p(2970). Jπ: D γ to 0^+.
2975.02[a] *15*	10^+	10.7 ns *9*	B EF H RS	μ=−1.52 *9* (2020StZV) $T_{1/2}$: weighted av of 13.5 ns *10* (1971Ke20), 10.6 ns *10* (1983Go02) and 10.0 ns *5* (1998Zh09); other 13 ns *6* (1970Wa13). All data are from γ(t). Jπ: γ(θ) in (α,2nγ) and E2 γ to 8^+.
2977.8 *6*			Mn p	XREF: n(2975)p(2970). E(level): from (d,d′).
2989.5 *3*	(8^+)		B S	Jπ: stretched (E2) γ to 6^+ in (^{7}Li,p4nγ).
2993.54 *14*	4^+	0.172 ps *+20−15*	G	Jπ: E2 γ's to 4^+ and E1 γ to 5^-.
2995.9 *4*			K M	E(level): from (d,d′).
2996.89 *17*	$3^+,4^+$	0.37 ps *+16−9*	G	Jπ: E2 γ to 2^+ and M1(+E2) γ to 4^+.
2999.4 *5*			M p	XREF: p(3004).
3008.26 *3*	$2^+,3^+$	0.0201 ps *14*	FG NOp	XREF: p(3004). Jπ: M1+E2 γ to 2^+ and γ to 4^+.
3013.79 *21*		0.22 ps *+14−7*	G p	XREF: p(3020).
3015.42 *3*	$1^-,2^+$	0.091 ps *+9−8*	FG L p	XREF: p(3020). Jπ: γ's to 0^+ and 3^-.
3018.47 *3*	$1^+,2^+$		F p	XREF: p(3020).

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Adopted Levels, Gammas (continued)

^{126}Te Levels (continued)

E(level)[†]	Jπ	$T_{1/2}$[‡]	XREF	Comments
				Jπ: γ's to 0^+ and 3^+.
3026.4 *6*			K M p	XREF: p(3020).
3034.70 *16*	2^+	0.074 ps *6*	G p	XREF: p(3042). Jπ: E2 γ to 0^+.
3045.15 *4*	2^+	0.126 ps *8*	FG p	XREF: p(3042). Jπ: E2 γ to 0^+.
3049.7 *7*			M	
3066.297 *20*	1^-	0.4 ps *+14−2*	FG n	XREF: n(3070). Jπ: γ's to 0^+ and 3^-.
3069.8[&] *6*	(8^-)		S	Jπ: stretched D γ to 7^- and band structure in (^{7}Li,p4nγ).
3071.19 *21*	5^-,6,7^-		B Mn	XREF: n(3070). Jπ: γ to 7^-, γ to 5^-.
3072.86 *11*	3^+,4^+,5^+		G n	XREF: n(3070). Jπ: M1+E2 γ to 4^+ and E1 γ to 4^-.
3075.5 *7*			Mn	XREF: n(3070).
3096.79 *20*		>0.52 ps	G	
3101.14 *10*			K M P	XREF: P(3090). E(level): from (d,d′).
3114.0 *3*			M	
3126.9 *3*			M	
3131.1 *12*	2^-,3^-,4^-		K p	XREF: p(3140). Jπ: L(d,p)=3.
3132.12 *3*			F p	XREF: p(3140).
3132.37 *17*	1^+		G p	XREF: p(3140). Jπ: M1 γ to 0^+.
3141.8 *5*			M p	XREF: p(3140).
3143.652 *22*	2^+	0.134 ps *+27−21*	FG p	XREF: p(3140). Jπ: γ's to 0^+ and 4^+, M1+E2 γ to 2^+.
3149.2 *4*			M P	XREF: P(3150).
3159.71 *23*			M	
3167.37 *9*	3^+	0.182 ps *+24−19*	G	Jπ: M1+E2 γ's to 2^+ and 4^+.
3171.7 *3*			B M	
3193.88[@] *20*	9^-		B E H K p RS	XREF: p(3200). Jπ: stretched E2 γ to 7^- and band structure based on 7^- in (^{7}Li,p4nγ).
3195.2 *3*	1,2,3		G p	XREF: p(3200). Jπ: D+Q γ to 2^+.
3196.6 *8*			R	
3202.283 *22*	2^+	0.076 ps *+13−11*	FG M p	XREF: p(3200). Jπ: M1+E2 γ to 2^+, γ's to 0^+ and 3^-.
3225.1 *4*			M p	XREF: p(3230).
3231.36 *23*			M p	XREF: p(3230).
3243.6 *4*			M p	XREF: p(3250).
3249.391 *20*	1,2^+		F p	XREF: p(3250). Jπ: γ's to 0^+ and 2^+.
3256.9 *12*			M p	XREF: p(3250).
3262.335 *22*	1,2^+		F	Jπ: γ's to 0^+ and 2^+.
3269.4 *10*			K M P	E(level): weighted av from (d,d′) and (d,p).
3301.1 *19*			K	
3308.867 *20*	2^+		F	Jπ: γ's to 0^+ and 4^+.
3330			P	
3349.15 *3*	1,2^+		F P	Jπ: γ's to 0^+.
3371.7 *21*			K	
3389.8 *18*	(1^+,2^+,3^+)		K	Jπ: L(d,p)=(2).
3450.5 *4*	6^+,7^-		B K	XREF: K(3447.6).

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Adopted Levels, Gammas (continued)

^{126}Te Levels (continued)

E(level)†	Jπ	XREF	Comments
			Jπ: γ's to 5⁻,7⁻ and 8⁺.
3473.7 *7*		B	
3576.29 *3*	1,2⁺	F	Jπ: γ's to 0⁺.
3602.37 *3*	1,2⁺	F	Jπ: γ's to 0⁺.
3688		K	
3688.52[a] *18*	12⁺	H RS	Jπ: stretched E2 γ to 10⁺ and band structure based on 10⁺ in (^{7}Li,p4nγ).
3709.7[&] *4*	(10⁻)	S	Jπ: stretched D γ to 9⁻ and stretched E2 γ to (8⁻) in (^{7}Li,p4nγ).
3759.78 *4*	(1,2)	F KL	XREF: K(3756). Jπ: (D,Q) γ to 0⁺.
3765.6[@] *3*	11⁻	H RS	Jπ: stretched E2 γ to 9⁻ and band structure based on 7⁻ in (^{7}Li,p4nγ).
3798.80 *7*	1,2⁺	F	Jπ: γ to 0⁺.
3807.261 *25*	2⁺	F	Jπ: γ's to 0⁺ and 4⁺.
3838.5 *6*	(11⁺)	S	Jπ: stretched D γ to 10⁺ in (^{7}Li,p4nγ).
3840		K	
3882.17 *4*	(1⁻,2⁺)	F L	Jπ: γ's to 0⁺ and (3⁻,4⁺).
3922.54 *3*		F	
3927.08 *3*	(2⁺)	F	Jπ: γ's to 0⁺ and (4)⁺.
3952.55 *4*	1,2⁺	F	Jπ: γ's to 0⁺ and 2⁺.
3969	2⁻,3⁻,4⁻	K	Jπ: L(d,p)=3.
3973.089 *22*	1,2⁺	F	Jπ: γ's to 0⁺ and 2⁺.
4023.84 *4*	1,2⁺	F	Jπ: γ's to 0⁺ and 2⁺.
4037		K	
4074		K	
4140.0 *6*		RS	
4156.42 *4*		F	
4172.336 *23*	1⁺,2⁺	F	Jπ: γ's to 0⁺ and 3⁺.
4178.0 *5*	(12⁻)	RS	Jπ: stretched D γ to 11⁻ in (^{7}Li,p4nγ).
4275		K	
4324.84 *3*	2⁺	F	Jπ: γ's to 0⁺ and 4⁺.
4336		K	
4374		K	
4414	(1⁺,2⁺,3⁺)	K	Jπ: L(d,p)=(2).
4433.5[&] *7*	(12⁻)	S	Jπ: stretched (E2) γ to (10⁻) and band structure on (8⁻) in (^{7}Li,p4nγ).
4448.39 *4*		F	
4452.4 *5*		RS	XREF: R(4450.3)S(4451.6).
4459	(1⁺,2⁺,3⁺)	K	Jπ: L(d,p)=(2).
4504.83 *3*	2⁺	F	Jπ: γ's to 0⁺ and 4⁺.
4510.62 *5*	(0⁻,1⁻,2⁻)	F K	XREF: K(4501). Jπ: L(d,p)=(1).
4538.81[a] *20*	(14⁺)	H RS	Jπ: stretched E2 γ to 12⁺ and band structure based on 10⁺ in (^{7}Li,p4nγ).
4552	(1⁺,2⁺,3⁺)	K	Jπ: L(d,p)=(2).
4587	0⁻,1⁻,2⁻	K	Jπ: L(d,p)=1.
4587.9[@] *4*	(13⁻)	RS	Jπ: Dγ to (12⁻) and Q γ to 11⁻. Band structure based on 7⁻ in (^{7}Li,p4nγ).
4634.8 *4*	(14⁺)	RS	Jπ: stretched (E2) γ to 12⁺ in (^{7}Li,p4nγ).
4651.78 *4*	2⁺	F	Jπ: γ's to 0⁺ and 4⁺.
4671.34 *4*	(2⁺)	F K	XREF: K(4665). Jπ: γ's to 0⁺ and (4)⁺.
4700.40 *4*	1⁻	F K	XREF: K(4693). Jπ: L(d,p)=1, γ's to 0⁺ and 2⁺.
4726.6 *6*	(13⁻)	RS	Jπ: stretched D γ to (12⁻) in (^{7}Li,p4nγ).
4747.43 *4*		F	
4767.30 *3*	1⁺,2,3⁻	F K	XREF: K(4763). Jπ: γ's to 1⁻ and 3⁺.
4775.97 *4*	3⁻,4⁺	F	Jπ: γ's to 2⁺ and 5⁻.
4792	0⁻,1⁻,2⁻	K	Jπ: L(d,p)=1.

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Adopted Levels, Gammas (continued)

^{126}Te Levels (continued)

E(level)[†]	Jπ	XREF	Comments
4879.88 *3*	2^+	F	Jπ: γ′s to 0^+ and 4^+.
4883.233 *23*	2^+	F K	XREF: K(4882). Jπ: γ′s to 0^+ and 4^+.
4918.79 *3*	$1,2^+$	F	Jπ: γ′s to 0^+ and 2^+.
4932	$(0^-,1^-,2^-)$	K	
4934.50 *10*	$1,2^+$	F	Jπ: γ′s to 0^+ and 2^+.
5063	$(0^-,1^-,2^-)$	K	Jπ: L(d,p)=(1).
5096.2[a] *5*	(15^+)	RS	Jπ: stretched D γ to 14^+ in (^{7}Li,p4nγ).
5114.5[@] *4*	(15^-)	R	Jπ: band structure based on 7^- in ^{238}U(^{12}C,Fγ).
5538.7[a] *7*	(16^+)	RS	Jπ: stretched D γ to (15^+), band structure based on 10^+ in (^{7}Li,p4nγ).
5696.0 *7*	(16^+)	R	Jπ: from ^{238}U(^{12}C,Fγ).
6060.3[@] *7*	(17^-)	R	Jπ: band structure based on 7^- in ^{238}U(^{12}C,Fγ).
7790.3 *7*		L	
7915.3 *10*	1^+	L	Jπ: from γ(θ) and γ(pol.) in (γ,γ′).

[†] A least-squares fit to the γ rays adopted, except where noted or where cross reference clearly indicates other source.
[‡] From (n,n′γ) except where noted.
[#] Band(A): Band of yrast structure.
[@] Band(B): Band based on 7^-.
[&] Band(b): Band based on (8^-).
[a] Band(C): Band based on 10^+ isomer.

Adopted Levels, Gammas (continued)

γ(^{126}Te)

E_i(level)	J_i^π	E_γ[†]	I_γ[†‡]	E_f	J_f^π	Mult.[c]	δ[c]	α[d]	Comments
666.338	2+	666.337 *12*	100	0.0	0+	E2		0.00378 *5*	B(E2)(W.u.)=25.1 *5* E_γ: weighted av. of values in (n,n′γ), (n,γ) and ε decay.
1361.363	4+	695.03 *2*	100	666.338	2+	E2		0.00340 *5*	B(E2)(W.u.)=33 *+11−25* E_γ: weighted av. of values in (n,n′γ), (n,γ) and ε decay. Mult.: from α(K)exp and γ(θ) in (α,2nγ).
1420.186	2+	753.822 *13*	100.0 *8*	666.338	2+	M1+E2	−4.25 *+15−10*	0.00282 *4*	B(M1)(W.u.)=0.00204 *25*; B(E2)(W.u.)=44 *5* E_γ,I_γ: weighted av. of Iγ′s in ε decay, (n,γ) and (n,n′γ) (1988Be51 and 2004Va16). δ: From γγ(θ) in ε decay (1971Ta04).
		1420.17 *2*	7.06 *23*	0.0	0+	E2			B(E2)(W.u.)=0.140 *15* E_γ,I_γ: weighted av. of Eγ′s in (n,n′γ), (n,γ) and ε decay.
1776.251	6+	414.82 *6*	100.0	1361.363	4+	E2		0.0140 *2*	B(E2)(W.u.)=17.8 *6* E_γ: weighted av. of Eγ′s in (n,n′γ), (n,γ) and β^- decay (12.35 d).
1873.391	0+	1207.03 *2*	100	666.338	2+	E2			B(E2)(W.u.)=8.8 *+8−11* E_γ: weighted av. of Eγ′s in (n,n′γ), (n,γ) and ε decay.
2013.124	4+	236.09[#] *17*	0.8[#] *3*	1776.251	6+				I_γ: From (n,γ).
		592.84[#] *5*	2.33[#] *24*	1420.186	2+				I_γ: From (n,γ).
		651.77 *2*	100 *8*	1361.363	4+	M1+E2	−0.22 *+3−2*	0.00491 *7*	B(M1)(W.u.)=0.131 *18*; B(E2)(W.u.)=10 *3* I_γ: from (n,γ).
		1346.79 *2*	42.6 *22*	666.338	2+	E2			B(E2)(W.u.)=2.5 *3* I_γ: from (n,γ). Large branching of 73 *3* and 74 *3* from (n,n′γ) suggests that not all of the intensity of this transition in (n,n′γ) belongs with the level.
2045.154	2+	624.93 *3*	15.0 *6*	1420.186	2+	M1(+E2)	−0.03 *6*	0.00548 *8*	B(M1)(W.u.)=(0.0115 *10*); B(E2)(W.u.)=(0.018 *+73−18*) I_γ: weighted av. of Iγ′s in (n,n′γ). Large branching of 22.4 *11* from (n,γ) suggests that not all of the intensity of this transition in (n,γ) belongs with the level.
		1378.76 *3*	45.9 *14*	666.338	2+	M1+(E2)			δ: +0.03 *+9−6]* (2004Va16). −0.03 *+9−6* (2008Hi17). −0.04 *3* (p=94%) or +2.84 *24* (p=6%) (1988Be51). 0.09 *14* or +1.8 *+7−4* (1980De07).
		2045.16 *2*	100 *2*	0.0	0+	E2			B(E2)(W.u.)=0.36 *3* E_γ: weighted av. of Eγ′s in (n,n′γ), (n,γ) and ε decay.
2113.558	0+	693.41[@] *20*	35[@] *3*	1420.186	2+	E2		0.00342 *5*	B(E2)(W.u.)=47 *+7−8*
		1447.20 *3*	100 *3*	666.338	2+	E2			B(E2)(W.u.)=3.4 *5* I_γ: From (n,n′γ).
2128.392	3+	708.18 *3*	100 *2*	1420.186	2+	M1+E2	−8.4 *+6−7*	0.00325 *5*	B(M1)(W.u.)=0.00087 *+18−20*; B(E2)(W.u.)=84 *+12−15*
		766.98 *3*	31 *3*	1361.363	4+	M1+E2		0.0030 *4*	δ: +2.7 *+25−6* or +0.47 *+24−10* (2004Va16), +19 *+10−5* (p=80%) or +0.196 *+23−12* (p=20%) (1988Be51), +0.14 *9* or >+20 (<−20) (1980De07).
		1462.03 *3*	37 *4*	666.338	2+	M1+E2	+1.94 *+15−14*		B(M1)(W.u.)=0.00055 *+12−13*; B(E2)(W.u.)=0.66 *+12−14*
2181.492	1+	761.31[#] *3*	9.0[#] *5*	1420.186	2+				

$^{126}_{52}Te_{74}$-7

Adopted Levels, Gammas (continued)

γ(^{126}Te) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†‡]	E_f	J_f^π	Mult.[c]	δ[c]	α[d]	Comments
2181.492	1+	1515.14 *3*	100.0 *1*	666.338	2+	M1+E2	−0.78 *+36−43*		B(M1)(W.u.)=0.012 *5*; B(E2)(W.u.)=2.2 *13*
		2181.52 *5*	15.9 *11*	0.0	0+	M1			B(M1)(W.u.)=0.00103 *9*
2184.308	2+	764.05# *6*	1.62# *17*	1420.186	2+				
		1517.99 *2*	100 *4*	666.338	2+	M1(+E2)	+0.002 *+18−21*		B(M1)(W.u.)=(0.094 *6*); B(E2)(W.u.)=(0.00011 *+201−11*)
		2184.4 *3*	0.34 *13*	0.0	0+				
2218.085	5−	204.71 *7*	1.88 *13*	2013.124	4+	E1		0.0264 *4*	B(E1)(W.u.)<0.00041 I_γ: Weighted av. of Iγ's in (n,n′γ). Large branching of 21 *8* from (n,γ) suggests that not all of the intensity of this transition in (n,γ) belongs with the level.
		856.80 *2*	100 *3*	1361.363	4+	E1+M2	+0.029 *6*		B(E1)(W.u.)<0.00030; B(M2)(W.u.)<2.2 I_γ: weighted av. of Iγ's in (n,n′γ).
2309.132	4+	532.57e# *5*	≤14.5e#	1776.251	6+				
		889.01 *3*		1420.186	2+	E2		0.00188 *3*	B(E2)(W.u.)=12.4 *20* I_γ: 27.4 *10* (1988Be51), 17.9 *21* (2004Va16), 100 *5* (n,γ).
		947.78 *3*	100 *3*	1361.363	4+	M1+E2	+0.40 *+19−11*	0.00201 *6*	B(M1)(W.u.)=0.067 *12*; B(E2)(W.u.)=8 *7*
2385.810	3−	201.44# *7*	2.9# *11*	2184.308	2+				
		965.59 *3*	8.3 *7*	1420.186	2+	E1+(M2)	+0.01 *4*		B(E1)(W.u.)=0.000129 *12*; B(M2)(W.u.)=(0.06 *+51−6*)
		1024.43 *5*	9.3 *13*	1361.363	4+	E1			B(E1)(W.u.)=0.000122 *18*
		1719.50 *5*	100.0 *11*	666.338	2+	E1+M2	+0.036 *7*		B(E1)(W.u.)=0.000276 *11*; B(M2)(W.u.)=0.55 *22*
2385.976	4−	167.70 *3*	60 *2*	2218.085	5−	M1+E2	+0.35 *2*	0.173 *3*	I_γ: weighted av. of Iγ's in (n,γ) and in (n,n′γ) (1988Be51). other 69.2 *24* from (n,n′γ) (2004Va16) assuming Iγ = 100 for 257.55γ.
		257.55 *3*	50 *10*	2128.392	3+	E1+(M2)	−0.02 *2*	0.0143 *4*	I_γ: weighted av. of Iγ's in (n,γ) and in (n,n′γ) (1988Be51). other 100.0 *24* from (n,n′γ) (2004Va16).
		372.76 *3*	100 *3*	2013.124	4+	E1+(M2)	+0.02 *6*	0.0054 *5*	I_γ: weighted av. of Iγ's in (n,γ) and in (n,n′γ) (1988Be51). other 67.8 *24* from (n,n′γ) (2004Va16) assuming Iγ = 100 for 257.55γ.
2396.43	6+	620.16 *5*	80 *3*	1776.251	6+	M1(+E2)	−0.17 *+6−8*	0.00555 *8*	B(M1)(W.u.)=(0.44 *+20−44*); B(E2)(W.u.)=(23 *+24−23*) E_γ: weighted av. of values in (n,n′γ), β^- decay (12.35 d) and ε decay. I_γ: weighted av. of values in (n,n′γ), β^- decay (12.35 d), ε decay and (^{7}Li,p4nγ). Mult.: Q from (^{7}Li,p4nγ).
		1035.06 *5*	100 *3*	1361.363	4+	E2		1.34×10^{-3} *2*	B(E2)(W.u.)=8.E+1 *+4−8* E_γ: weighted av. of values in (n,n′γ), (n,γ), β^- decay (12.35 d) and ε decay.

$^{126}_{52}Te_{74}$-8

Adopted Levels, Gammas (continued)

γ(^{126}Te) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†‡]	E_f	J_f^π	Mult.[c]	δ[c]	α[d]	Comments
									I_γ: weighted av. of values in (n,n′γ), β^- decay (12.35 d), ε decay and (^{7}Li,p4nγ).
2421.132	2^+	408.00[#] *3*	18.9[#] *10*	2013.124	4^+				
		1754.83 *5*	100.0 *13*	666.338	2^+	M1+E2	−0.32 *+10−5*		B(M1)(W.u.)=0.104 *9*; B(E2)(W.u.)=2.4 *14*
		2421.40 *6*	5.7 *4*	0.0	0^+	E2			B(E2)(W.u.)=0.29 *3*
2479.79	3^+,4^+	1118.33 *9*	100 *5*	1361.363	4^+	M1+E2	+0.12 *+10−7*	1.42×10^{-3} *2*	B(M1)(W.u.)=0.035 *+4−5*; B(E2)(W.u.)=0.3 *+5−3*
		1813.35 *6*	54.3 *17*	666.338	2^+	E2			B(E2)(W.u.)=0.95 *+9−11*
2496.89	7^-	278.2[&] *3*	4.4[&] *11*	2218.085	5^-	E2		0.0493 *7*	B(E2)(W.u.)=2.5 *7* Mult.: from γ(θ) in (α,2nγ) and RUL.
		720.64 *4*	100 *4*	1776.251	6^+	E1(+M2)	−0.01 *3*		B(E1)(W.u.)=(4.5×10^{-6} *3*); B(M2)(W.u.)=(0.004 *+24−4*) E_γ: weighted av. of Eγ′s in (n,n′γ), (n,γ) and β^- decay (12.35 d). I_γ: From β^- decay (12.35 d).
2503.568	2^+	1083.23 *9*	2.0 *3*	1420.186	2^+				
		1837.14 *3*	100 *3*	666.338	2^+	M1+E2	+1.54 *9*		B(M1)(W.u.)=0.0042 *+5−6*; B(E2)(W.u.)=2.02 *+18−23*
		2503.54 *5*	20.9 *8*	0.0	0^+	E2			B(E2)(W.u.)=0.127 *+11−15*
2515.422	5^-	297.25 *3*	100 *4*	2218.085	5^-	M1+E2	−7.0 *7*	0.0397 *6*	E_γ: weighted av. of Eγ′s in (n,n′γ), (n,γ) and β^- decay (12.35 d). I_γ: weighted av. of Eγ′s in (n,n′γ) and (n,γ).
		739.18 *14*	11.0 *6*	1776.251	6^+	E1		1.12×10^{-3} *2*	
		1154.07[#] *4*	17.6[#] *16*	1361.363	4^+				
2519.28	4^+,5^+,6^+	301.19[@] *5*	100[@]	2218.085	5^-	E1		0.00936 *13*	
2533.80	4^+	137.66[#] *17*	17[#] *6*	2396.43	6^+				
		520.55[#] *6*	11.1[#] *21*	2013.124	4^+				
		757.15[#] *9*	11.1[#] *16*	1776.251	6^+	E2		0.00275 *4*	B(E2)(W.u.)=13.2 *21* E_γ,I_γ: 2004Va16 in (n,n′γ) give Eγ=758.00 *16* and branching=33 *7*. However the Eγ is poor fit and the large branching suggests that the γ is doublet line.
		1113.74[#] *11*	11.1[#] *14*	1420.186	2^+				
		1172.51 *6*	100 *5*	1361.363	4^+	M1(+E2)	0.00 *+13−9*	1.28×10^{-3} *2*	B(M1)(W.u.)=(0.0267 *23*)
2577.784	3^+	532.57[e#] *5*	≤7.4[e#]	2045.154	2^+				
		1157.54[#] *5*	6.9[#] *4*	1420.186	2^+				
		1216.41 *3*	61 *3*	1361.363	4^+	M1(+E2)	+0.07 *3*	1.19×10^{-3} *2*	B(M1)(W.u.)=(0.039 *4*); B(E2)(W.u.)=(0.09 *8*) I_γ: From (n,γ). Large branching of 96 *4* and 96 *5* from (n,n′γ) suggests that not all of the intensity of this transition in (n,n′γ) belongs with the level.

$^{126}_{52}Te_{74}$-9

Adopted Levels, Gammas (continued)

γ(^{126}Te) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†‡]	E_f	J_f^π	Mult.[c]	δ[c]	α[d]	Comments
2577.784	3+	1911.47 *3*	100 *6*	666.338	2+	M1(+E2)	+0.110 *10*		B(M1)(W.u.)=(0.0163 *16*); B(E2)(W.u.)=(0.037 *8*)
2585.487	2+,3+	199.33[#] *20*	15[#] *6*	2385.976	4−				
		1224.18 *3*	7.5 *13*	1361.363	4+				
		1919.09 *2*	100 *3*	666.338	2+	M1+E2	−0.9 *+8−4*		B(M1)(W.u.)=0.0023 *19*; B(E2)(W.u.)=0.3 *4*
2589.02	5−,6−	370.73 *12*	100 *9*	2218.085	5−	M1+E2	+1.6 *+28−2*	0.0198 *3*	
		812.47[@] *5*	36[@] *6*	1776.251	6+	E1			
2639.84	+	1220.00 *5*		1420.186	2+	E2			I_γ: 33 *7* (2004Va16) in (n,n′γ), 2.4 *4* in (n,γ).
		1973.47 *4*	100 *5*	666.338	2+	E2			B(E2)(W.u.)=3.3 *4*
2661.39	3+,4+,5+	648.27[@] *5*	23.3[@] *16*	2013.124	4+	M1+E2		0.0045 *5*	
		1299.98[@] *7*	100[@] *4*	1361.363	4+	M1+E2	−1.81 *12*		B(M1)(W.u.)=0.009 *+4−9*; B(E2)(W.u.)=12 *+5−12*
2678.847	2+	565.43[e#] *10*	≤18.3[e#]	2113.558	0+				
		633.64[#] *3*	17.0[#] *9*	2045.154	2+				
		1258.59[#] *3*	40.4[#] *22*	1420.186	2+	E2			B(E2)(W.u.)=1.4 *+4−7*
		1317.46 *6*	100 *4*	1361.363	4+	E2			B(E2)(W.u.)=2.7 *+7−13*
		2012.60[#] *6*	8.5[#] *4*	666.338	2+				
		2678.90 *10*	86 *2*	0.0	0+	E2			B(E2)(W.u.)=0.068 *+17−33*
2682.008	2+	1261.77 *3*	49 *2*	1420.186	2+				E_γ,I_γ: Eγ from (n,γ). Eγ=1258.53 *5* from 2004Va16 in (n,n′γ) is poor fit. Branching from weighted av. from (n,n′γ) and (n,γ).
		1320.37[#] *20*	2.08[#] *21*	1361.363	4+				
		2015.69 *3*	100 *3*	666.338	2+	E2			B(E2)(W.u.)=3.15 *+19−22*
		2682.3[@] *3*	18.3[@] *12*	0.0	0+				
2686.49	3+,4+,5+	673.38[@] *6*	61[@] *6*	2013.124	4+	M1+E2	+0.37 *+21−19*	0.00447 *8*	B(M1)(W.u.)=0.14 *+3−4*; B(E2)(W.u.)=3.E+1 *3*
		1325.11[@] *4*	100[@] *4*	1361.363	4+	M1+E2	+0.41 *+43−27*		B(M1)(W.u.)=0.029 *10*; B(E2)(W.u.)=2 *+4−2*
2704.55	(5+,6+)	928.24[@] *5*	100.0[@]	1776.251	6+	M1+E2	+0.8 *2*		
2731.12	(3)+	685.77[#] *10*	20[#] *2*	2045.154	2+				
		1311.01 *3*	100 *3*	1420.186	2+	D(+Q)	+0.06 *+7−6*		
		1369.81 *3*	64 *13*	1361.363	4+	D+Q	−0.22 *+13−8*		I_γ: Weighted av. from 1988Be51 in (n.n′γ) and (n,γ).
		2064.76 *5*	56.7 *21*	666.338	2+	D+Q	+0.26 *+9−8*		
2737.64	1+,2+,3+	1317.36[@] *5*	100.0[@] *6*	1420.186	2+	M1+E2		0.00092 *9*	doublet.
		2071.37[@] *5*	27.6[@] *4*	666.338	2+	M1+E2			
2744.15	(4+)	731.01[#] *3*	100[#] *6*	2013.124	4+				
		1382.73 *6*	100 *13*	1361.363	4+				
		2077.49[#] *15*	100[#] *22*	666.338	2+				

$^{126}_{52}Te_{74}$-10

Adopted Levels, Gammas (continued)

γ(^{126}Te) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†‡]	E_f	J_f^π	Mult.[c]	δ[c]	α[d]	Comments
2766.11	8^+	989.81 *11*	100.0	1776.251	6^+	E2		1.48×10^{-3} *2*	Mult.: from ^{124}Sn(α,2nγ).
2776.23	$4^-,5^-,6^-$	558.14[@] *5*	100.0[@]	2218.085	5^-	M1(+E2)		0.0066 *6*	
2782.908	$3^-,4^+$	249.13[#] *15*	2.2[#] *6*	2533.80	4^+				
		267.06[#] *12*	1.1[#] *3*	2515.422	5^-				
		396.81[#] *3*	5.5[#] *3*	2385.976	4^-				
		565.82[@] *6*	13.6[@] *6*	2218.085	5^-				
		598.47[#] *20*	6.6[#] *23*	2184.308	2^+				
		654.38[#] *5*	7.7[#] *5*	2128.392	3^+				
		2116.41 *5*	100 *6*	666.338	2^+				
2789.87		1369.68[@] *5*	100.0[@]	1420.186	2^+				Doublet.
2801.10		285.68[@] *5*	100.0[@]	2515.422	5^-				
2802.53	2^+	217.04[e#] *5*	17[e#] *6*	2585.487	$2^+,3^+$				
		1441.16[#] *5*	100[#] *6*	1361.363	4^+				
		2136.12[#] *5*	16.7[#] *9*	666.338	2^+				
		2802.30[#] *10*	20.8[#] *11*	0.0	0^+				
2803.02	$3^+,4^+$	1382.82[@] *5*	100[@] *4*	1420.186	2^+	E2			B(E2)(W.u.)=17.3 *+15−19*
		1441.70[@] *5*	60[@] *3*	1361.363	4^+	M1+E2	−2.5 *+12−37*		B(M1)(W.u.)=0.004 *3*; B(E2)(W.u.)=7.2 *+12−13*
2811.34	5,6,7	1035.08[@] *5*	100.0[@]	1776.251	6^+	D(+Q)			
2811.5	(7^-)	297.1[&] *8*	6.6[&] *3*	2515.422	5^-				
		415.3[&] *8*	13[&] *4*	2396.43	6^+				
		593.2[&] *3*	100[&] *5*	2218.085	5^-	E2			Mult.: from DCO in (^{7}Li,p4nγ).
2812.49	1	699.1[#] *3*	0.9[#] *4*	2113.558	0^+				
		2812.82 *14*	100 *6*	0.0	0^+	D			Mult.: D from (γ,γ′).
2813.88	$2^+,3^+$	392.81[#] *10*	7.7[#] *6*	2421.132	2^+				
		427.85[#] *20*	74[#] *4*	2385.976	4^-				FL=2385.810 and/or FL=2385.976.
		768.73[e#] *4*	≤16.2[e#]	2045.154	2^+				
		1393.10[#] *20*	100[#] *7*	1420.186	2^+	M1+E2	+4 *+13−1*		B(M1)(W.u.)=0.001 *+4−1*; B(E2)(W.u.)=3.2 *+13−14* E_γ,I_γ: Eγ from 2004Va16 is poor fit and branching is poor resolution.
		2147.68[#] *5*	69[#] *4*	666.338	2^+	M1+E2	−8 *+4−17*		B(M1)(W.u.)=3.E−5 *3*; B(E2)(W.u.)=0.26 *+4−5* E_γ,I_γ: Eγ from 2004Va16 is poor fit and branching is poor resolution.
2815.94	$4^-,5^-$	429.93[@] *5*	64[@] *7*	2385.976	4^-				
		597.88[@] *5*	100[@] *7*	2218.085	5^-	M1+E2	−4.5 *+14−7*	0.00507 *9*	

$^{126}_{52}Te_{74}$-11

Adopted Levels, Gammas (continued)

γ(^{126}Te) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†‡]	E_f	J_f^π	Mult.[c]	δ[c]	α[d]	Comments
2833.71	1⁺,2⁺,3⁺	649.22[#] *18*	1.0[#] *3*	2184.308	2⁺				
		1413.53 *4*	100 *5*	1420.186	2⁺				
		2167.42 *4*	45 *5*	666.338	2⁺	M1+E2	+0.19 *+37−14*		B(M1)(W.u.)=0.0047 *9*; B(E2)(W.u.)=0.025 *+94−25*
2837.57		1061.6 *4*	100 *17*	1776.251	6⁺				E_γ,I_γ: Eγ and RI from β^- decay (19.15 min).
		1476.20 *6*	67 *17*	1361.363	4⁺				E_γ,I_γ: Eγ from 2004Va16 in (n,n′γ), RI from β^- decay (19.15 min).
2839.7	(6)⁺	1064.4[&] *15*	100[&] *67*	1776.251	6⁺				
		1476.20[&] *6*	31[&] *3*	1361.363	4⁺				E_γ: From 2004Va16 in (n,n′γ).
2858.773	(3⁻)	846.05[#] *21*	11[#] *4*	2013.124	4⁺				
		1438.51 *5*	83 *5*	1420.186	2⁺	E1			
		2192.45 *6*	100.0 *20*	666.338	2⁺	(D+Q)	−4.1 *+3−5*		
2862.648	3⁺,4⁺	359.06[#] *4*	25.0[#] *17*	2503.568	2⁺				
		553.19[e] *10*	≤42[e]	2309.132	4⁺				
		849.58[#] *3*	100[#] *5*	2013.124	4⁺	M1+E2	−0.59 *24*	0.00251 *10*	B(M1)(W.u.)=0.067 *+23−26*; B(E2)(W.u.)=22 *+15−16*
									I_γ: Branching of 45 *5* in 2004Va16 is omitted due to 1441γ′s doublet.
		1442.30[#] *10*	75[#] *17*	1420.186	2⁺	E2			B(E2)(W.u.)=4.6 *+16−18*
									I_γ: Branching of 100 *2* in 2004Va16 is omitted due to 1441γ′s double.
									t.
		1501.68 *17*	50 *4*	1361.363	4⁺	D(+Q)	+0.2 *+11−3*		
		2196.53 *14*	33 *5*	666.338	2⁺				
2868.42	3⁺,4⁺,5⁺	1507.05[@] *20*	100.0[@]	1361.363	4⁺	M1(+E2)	−0.22 *+31−34*		B(M1)(W.u.)=(0.018 *+7−15*); B(E2)(W.u.)=(0.3 *+8−3*)
2874.23		656.14[@] *20*	100.0[@]	2218.085	5⁻				
2877.25	2⁺	195.33[#] *14*	6.5[#] *23*	2682.008	2⁺				
		198.31[#] *5*	71[#] *3*	2678.847	2⁺				
		2210.95 *6*	71 *4*	666.338	2⁺	M1+E2	+1.1 *4*		B(M1)(W.u.)=0.0016 *7*; B(E2)(W.u.)=0.28 *10*
		2877.28 *5*	100 *5*	0.0	0⁺	E2			B(E2)(W.u.)=0.192 *15*
2897.92	1⁺	394.84[#] *17*	1.3[#] *3*	2503.568	2⁺				
		1477.71[#] *5*	18.2[#] *9*	1420.186	2⁺				
		2231.86 *4*	22.1 *11*	666.338	2⁺	(D,Q)			Mult.: from (γ,γ′).
		2897.82 *9*	100 *5*	0.0	0⁺	M1			B(M1)(W.u.)=0.0042 *4*
2911.9		1550.60[@] *6*	100.0[@]	1361.363	4⁺				
2927.36		1507.00[@] *5*	18[@] *6*	1420.186	2⁺				
		2261.23[@] *6*	100[@] *6*	666.338	2⁺				
2935.84	2⁺	807.36 *6*	8.1 *19*	2128.392	3⁺				
		1515.15[@] *5*	[@]	1420.186	2⁺				Doublet.
		2269.51 *6*	16.2 *9*	666.338	2⁺				
		2935.72[#] *9*	100[#] *11*	0.0	0⁺				

$^{126}_{52}Te_{74}$-12

Adopted Levels, Gammas (continued)

γ(^{126}Te) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†‡]	E_f	J_f^π	Mult.[c]	δ[c]	α[d]	Comments
2966.78	4$^+$,5,6$^+$	1190.53[@] *5*	100[@] *5*	1776.251	6$^+$				
		1605.40[@] *13*	39[@] *3*	1361.363	4$^+$				
2971.817	2$^+$,3,4$^+$	169.02[#] *13*	14[#] *5*	2802.53	2$^+$				
		959.60[@] *7*	[@]	2013.124	4$^+$				Doublet.
		1551.63[#] *5*	77[#] *4*	1420.186	2$^+$				
		2305.47 *12*	100 *5*	666.338	2$^+$	D(+Q)	−0.06 *+12−7*		
2974.47	1	553.19[e#] *5*	2.1[e#] *6*	2421.132	2$^+$				
		2308.15[#] *4*	14.9[#] *10*	666.338	2$^+$	D(+Q)	−0.06 *+12−7*		
		2974.60 *5*	100 *5*	0.0	0$^+$	D			Mult.: from (γ,γ′).
2975.02	10$^+$	208.92[#] *14*	100.0[#]	2766.11	8$^+$	E2		0.1291 *19*	B(E2)(W.u.)=3.1 *3* Mult.: from ^{124}Sn(α,2nγ) and RUL.
2989.5	(8$^+$)	148.7[&] *9*	17[&] *8*	2839.7	(6)$^+$				
		223.9[&] *7*	58[&] *4*	2766.11	8$^+$				
		1213.3[&] *3*	100[&] *8*	1776.251	6$^+$	(E2)			Mult.: from DCO in ^{124}Sn(^{7}Li,p4nγ).
2993.54	4$^+$	403.90[@] *6*	25.5[@] *14*	2589.02	5$^-$,6$^-$	E1		0.00443 *6*	B(E1)(W.u.)=0.0037 *+4−5*
		776.47[@] *6*	39.0[@] *20*	2218.085	5$^-$	E1		1.01×10^{-3} *2*	B(E1)(W.u.)=0.00079 *+9−11*
		2326.90[@] *5*	100.0[@] *12*	666.338	2$^+$	E2			B(E2)(W.u.)=0.78 *+7−10*
2996.89	3$^+$,4$^+$	1576.74[@] *5*	100[@] *4*	1420.186	2$^+$	E2			B(E2)(W.u.)=3.3 *+9−15*
		1635.41[@] *8*	28[@] *3*	1361.363	4$^+$	M1(+E2)	+0.1 *+38−7*		B(M1)(W.u.)=(0.0029 *+24−26*); B(E2)(W.u.)=(0.0 *+6−0*)
3008.26	2$^+$,3$^+$	149.51[#] *3*	30[#] *11*	2858.773	(3$^-$)				
		1646.61 *8*	100 *4*	1361.363	4$^+$				
		2341.85 *6*	17 *3*	666.338	2$^+$	M1+E2	+0.47 *+26−10*		B(M1)(W.u.)=0.0081 *24*; B(E2)(W.u.)=0.22 *21*
3013.79		1237.53[@] *5*	100.0[@]	1776.251	6$^+$				
3015.42	1$^-$,2$^+$	181.85[#] *15*	1.0×10^2[#] *4*	2833.71	1$^+$,2$^+$,3$^+$				
		429.94[#] *3*	10.0[#] *6*	2585.487	2$^+$,3$^+$				
		629.63[#] *5*	4.44[#] *23*	2385.810	3$^-$				
		3015.44 *12*	77 *5*	0.0	0$^+$	(D,Q)			Mult.: from (γ,γ′). I_γ: from (n,γ).
3018.47	1$^+$,2$^+$	440.64[#] *3*	100[#] *5*	2577.784	3$^+$				
		597.52[#] *9*	55[#] *9*	2421.132	2$^+$				
		3018.50[#] *6*	40.9[#] *23*	0.0	0$^+$				
3034.70	2$^+$	1614.46[@] *8*	100[@] *16*	1420.186	2$^+$	M1(+E2)	−0.16 *+22−13*		B(M1)(W.u.)=(0.046 *11*); B(E2)(W.u.)=(0.3 *+9−3*)
		2368.45[@] *5*	42[@] *8*	666.338	2$^+$	M1+E2	−16 *+30−13*		B(M1)(W.u.)=2.4×10^{-5} *+91−24*; B(E2)(W.u.)=0.76 *19*

$^{126}_{52}Te_{74}$-13

Adopted Levels, Gammas (continued)

γ(^{126}Te) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†‡]	E_f	J_f^π	Mult.[c]	δ[c]	α[d]	Comments
3034.70	2+	3034.28[@] *10*	8.6[@] *12*	0.0	0+	E2			B(E2)(W.u.)=0.045 *9*
3045.15	2+	365.91[#] *12*	≤10[#]	2678.847	2+				
		565.43[e#] *10*	23.5[e#] *18*	2479.79	3+,4+				
		2379.45 *5*	100 *4*	666.338	2+	M1+E2			
		3045.18 *12*	40 *4*	0.0	0+	E2			B(E2)(W.u.)=0.116 *18*
3066.297	1−	680.47[#] *3*	29[#] *2*	2385.810	3−				
		884.83[#] *8*	14[#] *3*	2181.492	1+				
		1646.84[@] *6*	[@]	1420.186	2+				Doublet.
		2399.81 *12*	100 *5*	666.338	2+				
		3066.28[#] *20*	36[#] *2*	0.0	0+				
3069.8	(8−)	573.4[b] *3*	100[b]	2496.89	7−	D[b]			
3071.19	5−,6,7−	556.3[&] *3*	25[&] *3*	2515.422	5−				
		573.9[&] *3*	100[&] *4*	2496.89	7−				
3072.86	3+,4+,5+	686.57[@] *5*	100[@] *9*	2385.976	4−	E1		1.31×10^{-3} *2*	
		1711.60[@] *6*	75[@] *9*	1361.363	4+	M1+E2	−0.47 *+29−21*		
3096.79		1676.69[@] *6*	1.0×10^2[@] *4*	1420.186	2+				
		2430.24[@] *8*	59[@] *22*	666.338	2+				
3132.12		401.01[#] *5*	20.0[#] *14*	2731.12	(3)+				
		546.61[#] *3*	100[#] *6*	2585.487	2+,3+				
		2465.84[#] *10*	33[#] *3*	666.338	2+				
3132.37	1+	1711.60[@] *6*	82[@] *19*	1420.186	2+	M1+E2	−0.83		
		3132.90[@] *6*	100[@] *19*	0.0	0+	M1		1.00×10^{-3} *14*	
3143.652	2+	663.72[e#] *10*	100[e#] *18*	2479.79	3+,4+				
		1723.47[#] *3*	50[#] *3*	1420.186	2+				
		2477.33 *4*	41.2 *21*	666.338	2+	M1+E2	+2.3 *+10−5*		B(M1)(W.u.)=0.0004 *4*; B(E2)(W.u.)=0.26 *+11−12*
		3143.40[@] *13*	13.1[@] *15*	0.0	0+	E2			B(E2)(W.u.)=0.029 *+12−13*
3167.37	3+	1747.53[@] *5*	100[@] *11*	1420.186	2+	M1+E2	−1.8 *+1−2*		B(M1)(W.u.)=0.0026 *7*; B(E2)(W.u.)=1.9 *5*
		1804.62[@] *5*	77[@] *14*	1361.363	4+	M1+E2	−0.22 *+16−10*		B(M1)(W.u.)=0.0073 *+21−22*; B(E2)(W.u.)=0.07 *+11−7*
		2500.45[@] *13*	31[@] *35*	666.338	2+				
3171.7		656.3[&] *6*	59[&] *3*	2515.422	5−				
		674.8[&] *3*	100[&] *27*	2496.89	7−				
3193.88	9−	696.9[b] *2*	100[b]	2496.89	7−	E2[b]			
3195.2	1,2,3	2528.85[@] *7*	100.0[@]	666.338	2+	D+Q	−5.2 *+22−47*		
3196.6		356.9[a] *5*	100[a]	2839.7	(6)+				

$^{126}_{52}Te_{74}$-14

Adopted Levels, Gammas (continued)

γ(^{126}Te) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†‡]	E_f	J_f^π	Mult.[c]	δ[c]	Comments
3202.283	2+	816.61[#] *6*	38[#] *4*	2385.810	3−			
		1073.90[#] *4*	30.8[#] *16*	2128.392	3+			
		1088.78[#] *9*	38[#] *4*	2113.558	0+			
		1189.46[#] *14*	7.7[#] *15*	2013.124	4+			
		1782.01 *9*	100 *6*	1420.186	2+	M1+E2	−0.26 *+14−16*	B(M1)(W.u.)=0.018 *4*; B(E2)(W.u.)=0.3 *3*
		2535.58 *6*	54 *3*	666.338	2+	M1+E2	−2.7 *+8−10*	B(M1)(W.u.)=0.00043 *24*; B(E2)(W.u.)=0.33 *+6−7*
3249.391	1,2+	663.72[e] *10*	100[e] *18*	2585.487	2+,3+			
		1065.14 *10*	8.8 *9*	2184.308	2+			
		1829.26 *3*	41.2 *21*	1420.186	2+			
		2583.15[e] *6*	26.5[e] *24*	666.338	2+			
		3249.37 *5*	76 *4*	0.0	0+			
3262.335	1,2+	287.89 *8*	13 *4*	2974.47	1			
		290.48 *3*	100 *7*	2971.817	2+,3,4+			
		2596.07 *5*	29.0 *17*	666.338	2+			
		3262.26 *5*	58 *3*	0.0	0+			
3308.867	2+	293.42 *4*	6.3 *10*	3015.42	1−,2+			
		922.99[e] *3*	≤12.6[e]	2385.810	3−			
		999.63 *7*	56 *3*	2309.132	4+			
		1195.31 *3*	28.2 *14*	2113.558	0+			
		1435.56 *11*	5.6 *10*	1873.391	0+			
		1888.57 *15*	42.3 *22*	1420.186	2+			
		2642.57 *4*	100 *5*	666.338	2+			
3349.15	1,2+	217.04[e] *5*	≤9.2[e]	3132.12				
		282.67 *9*	7 *4*	3066.297	1−			
		1304.08 *7*	5.1 *5*	2045.154	2+			
		2682.79 *4*	100 *5*	666.338	2+			
		3349.20 *20*	76 *4*	0.0	0+			
3450.5	6+,7−	638.8[&] *8*	75[&] *8*	2811.5	(7−)			
		684.7[&] *10*	75[&]	2766.11	8+			
		934[&] *1*	67[&]	2515.422	5−			
		953.7[&] *4*	100[&] *8*	2496.89	7−			
3473.7		958.3[&] *7*	100[&]	2515.422	5−			
3576.29	1,2+	2909.89 *5*	100 *6*	666.338	2+			
		3576.41 *7*	32.1 *17*	0.0	0+			
3602.37	1,2+	536.03 *3*	42.9 *23*	3066.297	1−			
		768.73[e] *4*	≤18[e]	2833.71	1+,2+,3+			
		1488.83 *21*	100 *18*	2113.558	0+			
		3602.9 *3*	2.9 *12*	0.0	0+			
3688.52	12+	713.5 *1*	100	2975.02	10+	E2		E_γ: from ^{130}Te(^{64}Ni,xγ). Mult.: from (^{7}Li,p4nγ).

$^{126}_{52}Te_{74}$-15

Adopted Levels, Gammas (continued)

γ(^{126}Te) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†‡]	E_f	J_f^π	Mult.[c]	Comments
3709.7	(10$^-$)	515.4[b] *5*	50[b] *30*	3193.88	9$^-$	D[b]	
		638.9[b] *5*	100[b] *50*	3069.8	(8$^-$)	E2[b]	
3759.78	(1,2)	497.46 *3*	100 *5*	3262.335	1,2$^+$		
		3093.8 *4*	7.7 *16*	666.338	2$^+$		
		3759.62 *7*	85 *5*	0.0	0$^+$	(D,Q)	Mult.: from (γ,γ').
3765.6	11$^-$	571.7[b] *2*	100[b]	3193.88	9$^-$	E2[b]	
3798.80	1,2$^+$	780.25 *10*	17.1 *10*	3018.47	1$^+$,2$^+$		
		1614.45 *10*	68 *4*	2184.308	2$^+$		
		3132.34 *20*	100 *10*	666.338	2$^+$		
		3798.63 *20*	14.6 *8*	0.0	0$^+$		
3807.261	2$^+$	663.72[e] *10*	≤48[e]	3143.652	2$^+$		
		832.69 *10*	5.9 *22*	2974.47	1		
		1128.56 *6*	7.1 *5*	2678.847	2$^+$		
		1327.33 *4*	8.2 *4*	2479.79	3$^+$,4$^+$		
		1693.76 *8*	4.7 *6*	2113.558	0$^+$		
		1934.3 *6*	2.4 *8*	1873.391	0$^+$		
		3140.8 *4*	100 *5*	666.338	2$^+$		
3838.5	(11$^+$)	863.5[b] *5*	100[b]	2975.02	10$^+$	D[b]	
3882.17	(1$^-$,2$^+$)	1099.23[e] *6*	≤17.4[e]	2782.908	3$^-$,4$^+$		
		1696.9 *5*	16 *10*	2184.308	2$^+$		
		1700.4[e] *3*	≤36[e]	2181.492	1$^+$		
		3215.85 *5*	74 *4*	666.338	2$^+$	(D,Q)	Mult.: from (γ,γ'). I_γ: other:144 *20* from (γ,γ').
		3882.06 *7*	100 *7*	0.0	0$^+$	(D,Q)	Mult.: from (γ,γ').
3922.54		673.26 *5*	100 *5*	3249.391	1,2$^+$		
		1088.78 *9*	33 *4*	2833.71	1$^+$,2$^+$,3$^+$		
		3256.13 *6*	67 *4*	666.338	2$^+$		
3927.08	(2$^+$)	1124.25[e] *10*	<35[e]	2802.53	2$^+$		
		1881.97 *6*	9.5 *10*	2045.154	2$^+$		
		2053.68 *5*	23.8 *19*	1873.391	0$^+$		
		3926.81 *20*	100 *5*	0.0	0$^+$		
3952.55	1,2$^+$	944.25 *3*	100 *5*	3008.26	2$^+$,3$^+$		
		1270.56 *5*	21.1 *11*	2682.008	2$^+$		
		3952.51 *13*	37 *7*	0.0	0$^+$		
3973.089	1,2$^+$	710.73 *4*	100 *7*	3262.335	1,2$^+$		
		840.75 *14*	30 *11*	3132.12			
		906.85 *3*	50 *3*	3066.297	1$^-$		
		1037.09 *9*	30 *3*	2935.84	2$^+$		
		1159.32 *20*	40.0 *20*	2813.88	2$^+$,3$^+$		
		3306.75 *6*	100 *5*	666.338	2$^+$		
4023.84	1,2$^+$	1978.77 *5*	46.2 *23*	2045.154	2$^+$		
		2603.58 *5*	62 *3*	1420.186	2$^+$		

$^{126}_{52}Te_{74}$-16

Adopted Levels, Gammas (continued)

γ(^{126}Te) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†‡]	E_f	J_f^π	Mult.[c]	α[d]	Comments
4023.84	1,2$^+$	4023.90 *11*	100 *5*	0.0	0$^+$			
4140.0		451.5 *5*	100	3688.52	12$^+$			E_γ,I_γ: from (^{7}Li,p4nγ).
4156.42		847.47 *5*	100 *8*	3308.867	2$^+$			
		1141.15 *10*	62 *15*	3015.42	1$^-$,2$^+$			
		1975.18 *10*	50 *7*	2181.492	1$^+$			
		2736.07 *14*	50 *7*	1420.186	2$^+$			
4172.336	1$^+$,2$^+$	245.24 *3*	75 *4*	3927.08	(2$^+$)			
		595.94 *6*	33 *4*	3576.29	1,2$^+$			
		922.99[e] *3*	≤149[e]	3249.391	1,2$^+$			
		1493.77 *10*	58 *4*	2678.847	2$^+$			
		1594.77 *10*	33.1 *17*	2577.784	3$^+$			
		2058.64 *5*	41 *4*	2113.558	0$^+$			
		3505.90 *11*	59 *3*	666.338	2$^+$			
		4171.81 *16*	100 *17*	0.0	0$^+$			
4178.0	(12$^-$)	412.3[b] *5*	100[b]	3765.6	11$^-$	D[b]		
4324.84	2$^+$	748.60 *4*	58 *4*	3576.29	1,2$^+$			
		2311.63 *12*	42 *5*	2013.124	4$^+$			
		2451.11 *15*	33.3 *25*	1873.391	0$^+$			
		3658.39 *6*	75 *5*	666.338	2$^+$			
		4324.82 *7*	100 *5*	0.0	0$^+$			
4433.5	(12$^-$)	723.8[b] *5*	100[b]	3709.7	(10$^-$)	(E2)[b]		
4448.39		1099.23[e] *6*	≤46[e]	3349.15	1,2$^+$			
		1769.43 *5*	41.7 *25*	2678.847	2$^+$			
		2403.44[e] *10*	≤52.5[e]	2045.154	2$^+$			
		3028.3 *7*	25 *14*	1420.186	2$^+$			
		3782.25 *10*	100 *6*	666.338	2$^+$			
4452.4		763.9[b] *4*	100[b]	3688.52	12$^+$	[b]		
4504.83	2$^+$	1486.38 *16*	6.8 *23*	3018.47	1$^+$,2$^+$			
		1760.67 *5*	6.8 *5*	2744.15	(4$^+$)			
		1826.23 *11*	6.8 *7*	2678.847	2$^+$			
		1927.06[e] *5*	≤12.1[e]	2577.784	3$^+$			
		2000.96 *22*	6.8 *16*	2503.568	2$^+$			
		3084.47 *7*	13.6 *7*	1420.186	2$^+$			
		3838.38 *6*	61 *4*	666.338	2$^+$			
		4505.05 *17*	100 *5*	0.0	0$^+$			
4510.62	(0$^-$,1$^-$,2$^-$)	3090.5 *3*	52 *3*	1420.186	2$^+$			
		3844.29 *6*	100 *5*	666.338	2$^+$			
4538.81	(14$^+$)	850.3 *1*	100	3688.52	12$^+$	E2	0.00209	E_γ: from ^{130}Te(^{64}Ni,xγ). Mult.: from DCO in ^{124}Sn(^{7}Li,p4nγ).
4587.9	(13$^-$)	410.1[b] *5*	41[b] *3*	4178.0	(12$^-$)	D[b]		
		822.1[b] *4*	100[b] *3*	3765.6	11$^-$	Q[b]		

Adopted Levels, Gammas (continued)

γ(^{126}Te) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†‡]	E_f	J_f^π	Mult.[c]	Comments
4634.8	(14$^+$)	946.3 *4*	100	3688.52	12$^+$	(E2)	E_γ: from ^{238}U(^{12}C,Fγ). Mult.: from (^{7}Li,p4nγ).
4651.78	2$^+$	729.24 *3*	26.3 *16*	3922.54			
		1817.99 *6*	26.3 *16*	2833.71	1$^+$,2$^+$,3$^+$		
		2638.78[e] *6*	≤44.2[e]	2013.124	4$^+$		
		3984.6 *3*	32 *4*	666.338	2$^+$		
		4651.50 *14*	100 *11*	0.0	0$^+$		
4671.34	(2$^+$)	1927.06[e] *5*	≤22.1[e]	2744.15	(4$^+$)		
		2487.28 *10*	8.3 *9*	2184.308	2$^+$		
		4005.46 *20*	29.2 *17*	666.338	2$^+$		
		4671.26 *9*	100 *5*	0.0	0$^+$		
4700.40	1$^-$	1124.25[e] *10*	≤21.2[e]	3576.29	1,2$^+$		
		1556.79 *11*	11.4 *23*	3143.652	2$^+$		
		1866.62 *10*	14.3 *9*	2833.71	1$^+$,2$^+$,3$^+$		
		2516.04 *5*	25.7 *15*	2184.308	2$^+$		
		4700.3 *5*	100 *20*	0.0	0$^+$		
4726.6	(13$^-$)	548.4 *5*	100 *50*	4178.0	(12$^-$)	D	E_γ,Mult.: from ^{124}Sn(^{7}Li,p4nγ). I_γ: from ^{238}U(^{12}C,Fγ).
		962[a] *1*	80[a] *40*	3765.6	11$^-$		
4747.43		2326.92 *20*	62 *4*	2421.132	2$^+$		
		4081.08 *6*	100 *6*	666.338	2$^+$		
4767.30	1$^+$,2,3$^-$	794.24 *3*	100 *6*	3973.089	1,2$^+$		
		1700.4[e] *3*	≤101[e]	3066.297	1$^-$		
		2345.94[e] *6*	≤38.1[e]	2421.132	2$^+$		
		2583.15[e] *6*	≤90[e]	2184.308	2$^+$		
		2638.78[e] *6*	≤77[e]	2128.392	3$^+$		
		4100.91 *21*	82 *13*	666.338	2$^+$		
4775.97	3$^-$,4$^+$	1840.07 *7*	58 *4*	2935.84	2$^+$		
		1913.39 *8*	50 *6*	2862.648	3$^+$,4$^+$		
		2260.60 *5*	100 *5*	2515.422	5$^-$		
		2730.56 *10*	50 *4*	2045.154	2$^+$		
		4109.50 *8*	75 *5*	666.338	2$^+$		
4879.88	2$^+$	555.20 *10*	12.1 *25*	4324.84	2$^+$		
		1905.47 *5*	9.1 *6*	2974.47	1		
		1944.04 *4*	15.2 *9*	2935.84	2$^+$		
		2345.94[e] *6*	≤12.7[e]	2533.80	4$^+$		
		2458.73 *12*	15.2 *13*	2421.132	2$^+$		
		2834.65 *5*	21.2 *13*	2045.154	2$^+$		
		3459.30 *20*	15.2 *9*	1420.186	2$^+$		
		4213.66 *20*	100 *6*	666.338	2$^+$		
		4880.4 *3*	12.1 *13*	0.0	0$^+$		
4883.233	2$^+$	1075.94 *3*	38.9 *23*	3807.261	2$^+$		

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Adopted Levels, Gammas (continued)

γ(^{126}Te) (continued)

E_i(level)	J_i^π	E_γ †	I_γ †‡	E_f	J_f^π	E_i(level)	J_i^π	E_γ †	I_γ †‡	E_f	J_f^π	Mult.[c]
4883.233	2^+	1864.72 *7*	27.8 *23*	3018.47	$1^+,2^+$	4918.79	$1,2^+$	4918.48 *8*	100 *6*	0.0	0^+	
		2204.36 *6*	33.3 *23*	2678.847	2^+	4934.50	$1,2^+$	3514.22 *20*	21.9 *11*	1420.186	2^+	
		2349.42 *5*	44.4 *23*	2533.80	4^+			4267.87 *16*	100 *5*	666.338	2^+	
		2403.44[e] *10*	≤35[e]	2479.79	$3^+,4^+$	5096.2	(15^+)	461.3[b] *5*	89[b] *11*	4634.8	(14^+)	D[b]
		3009.67 *5*	56 *3*	1873.391	0^+			557.4[b] *5*	100[b] *44*	4538.81	(14^+)	D[b]
		3463.13 *9*	38.9 *23*	1420.186	2^+	5114.5	(15^-)	526.4[a] *4*	100[a] *31*	4587.9	(13^-)	
		4217.20 *20*	100 *5*	666.338	2^+			575.7[a] *5*	31[a] *14*	4538.81	(14^+)	
		4883.18 *8*	100 *5*	0.0	0^+	5538.7	(16^+)	442.5[b] *5*	100[b]	5096.2	(15^+)	D[b]
4918.79	$1,2^+$	1716.51 *5*	29.4 *18*	3202.283	2^+	5696.0	(16^+)	1061.2[a] *5*	100[a]	4634.8	(14^+)	
		1775.16 *4*	65 *4*	3143.652	2^+	6060.3	(17^-)	945.8[a] *5*	100[a]	5114.5	(15^-)	
		1873.71 *4*	23.5 *12*	3045.15	2^+	7790.3		6369		1420.186	2^+	
		2414.91 *8*	29 *4*	2503.568	2^+			7791		0.0	0^+	
		3498.73 *19*	17.6 *18*	1420.186	2^+	7915.3	1^+	7915	100	0.0	0^+	D

† Weighted av. of γ data in (n,γ) and (n,n′γ) (1988Be51,2004Va16) from levels below 3210 keV and γ data in (n,γ) from levels over 3210 keV, unless otherwise noted. The adopted uncertainty of Eγ is no smaller than the smallest of the input uncertainties.

‡ The Iγ′s are relative photon branchings from each level.

From (n,γ).

@ From (n,n′γ).

& From ^{126}Sb β^- decay (12.35 d).

[a] From ^{238}U(^{12}C,Fγ), Systematically Eγ′s are small by 0.4 keV. Evaluators increased the authors′ energies by 0.4 keV.

[b] From ^{124}Sn(^{7}Li,p4nγ).

[c] From (n,n′γ), unless otherwise noted.

[d] 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.

[e] Multiply placed with undivided intensity.

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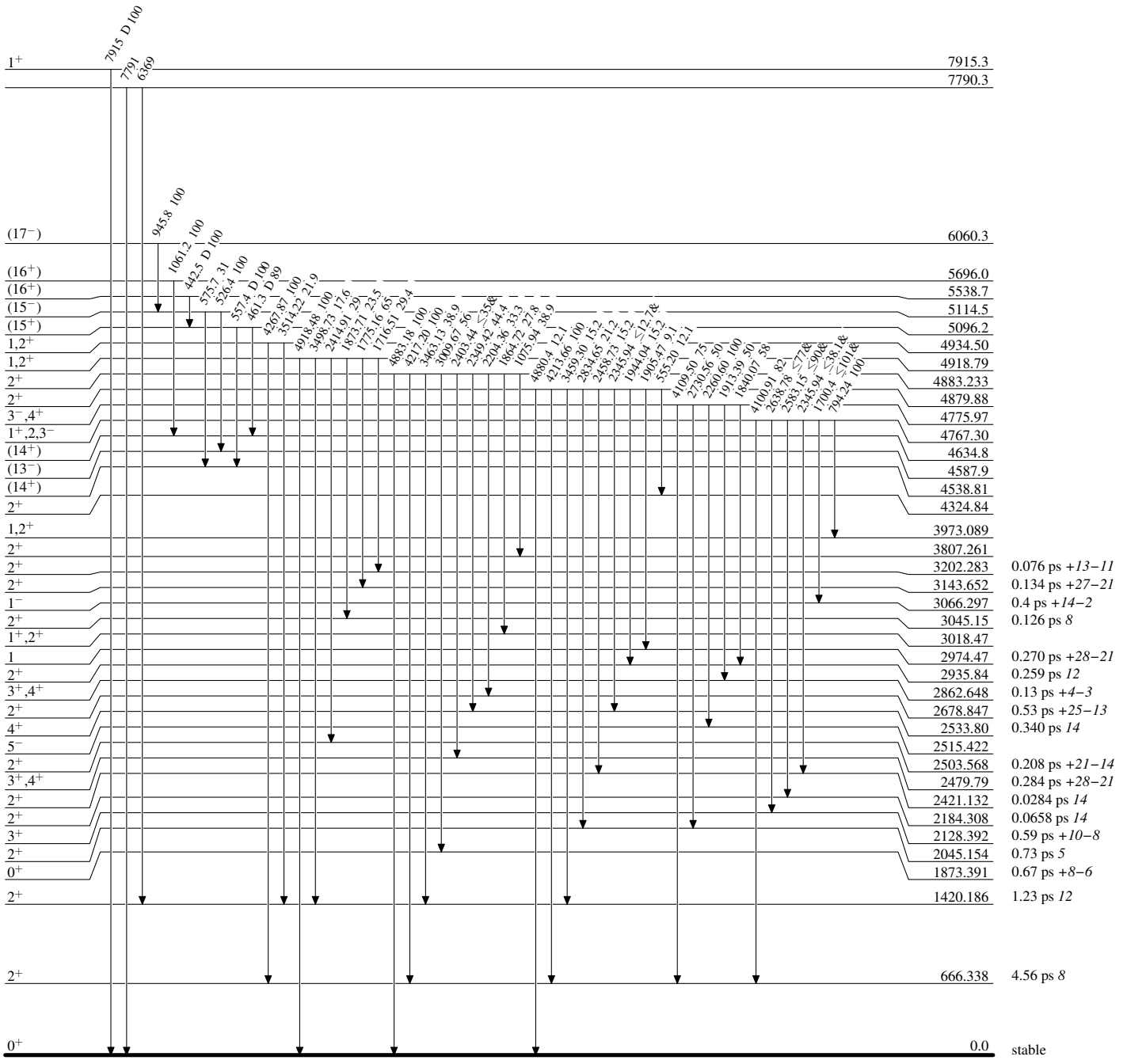
Adopted Levels, Gammas

Level Scheme

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

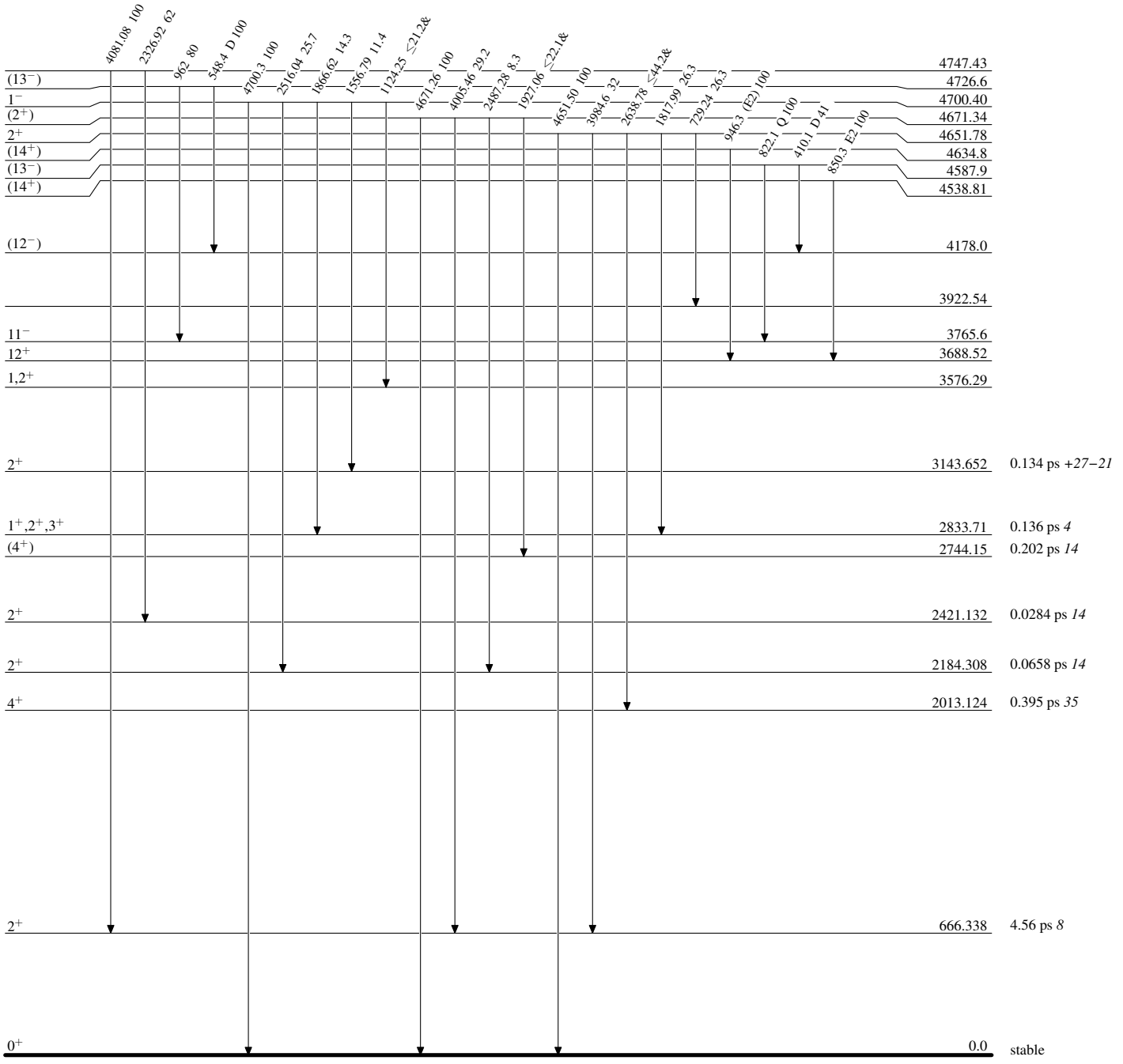


$^{126}_{52}Te_{74}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

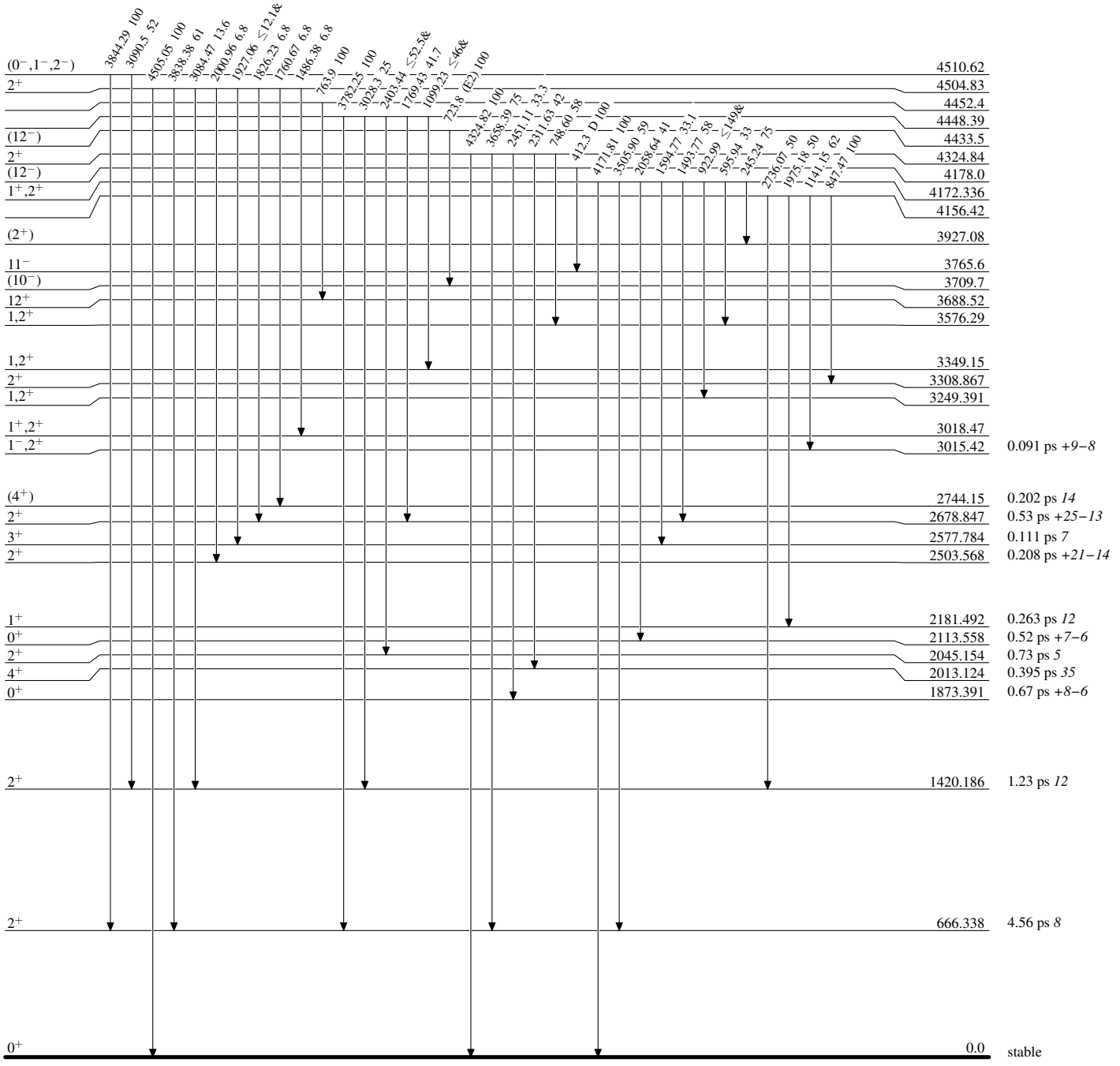


$^{126}_{52}Te_{74}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

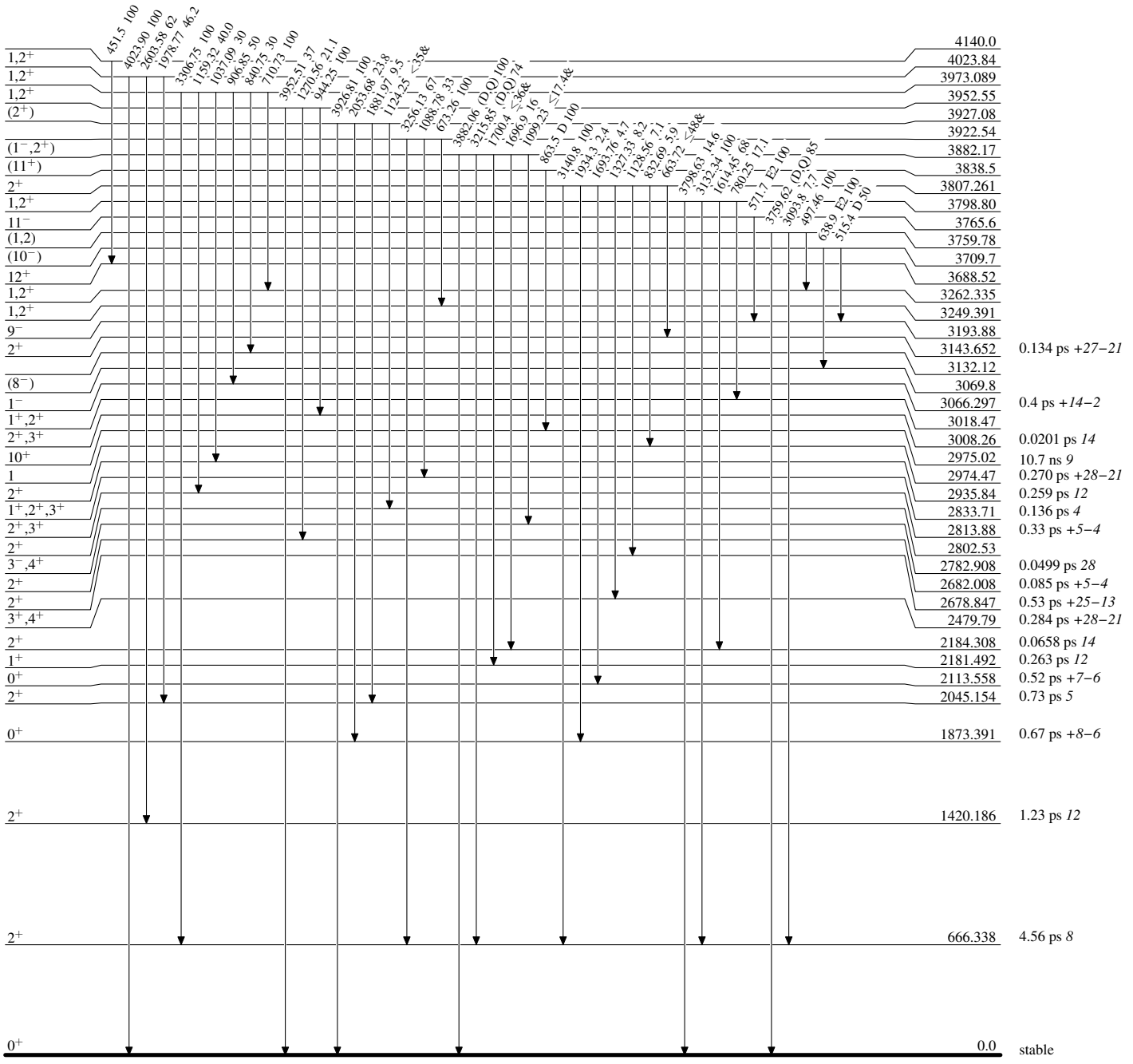


$^{126}_{52}Te_{74}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

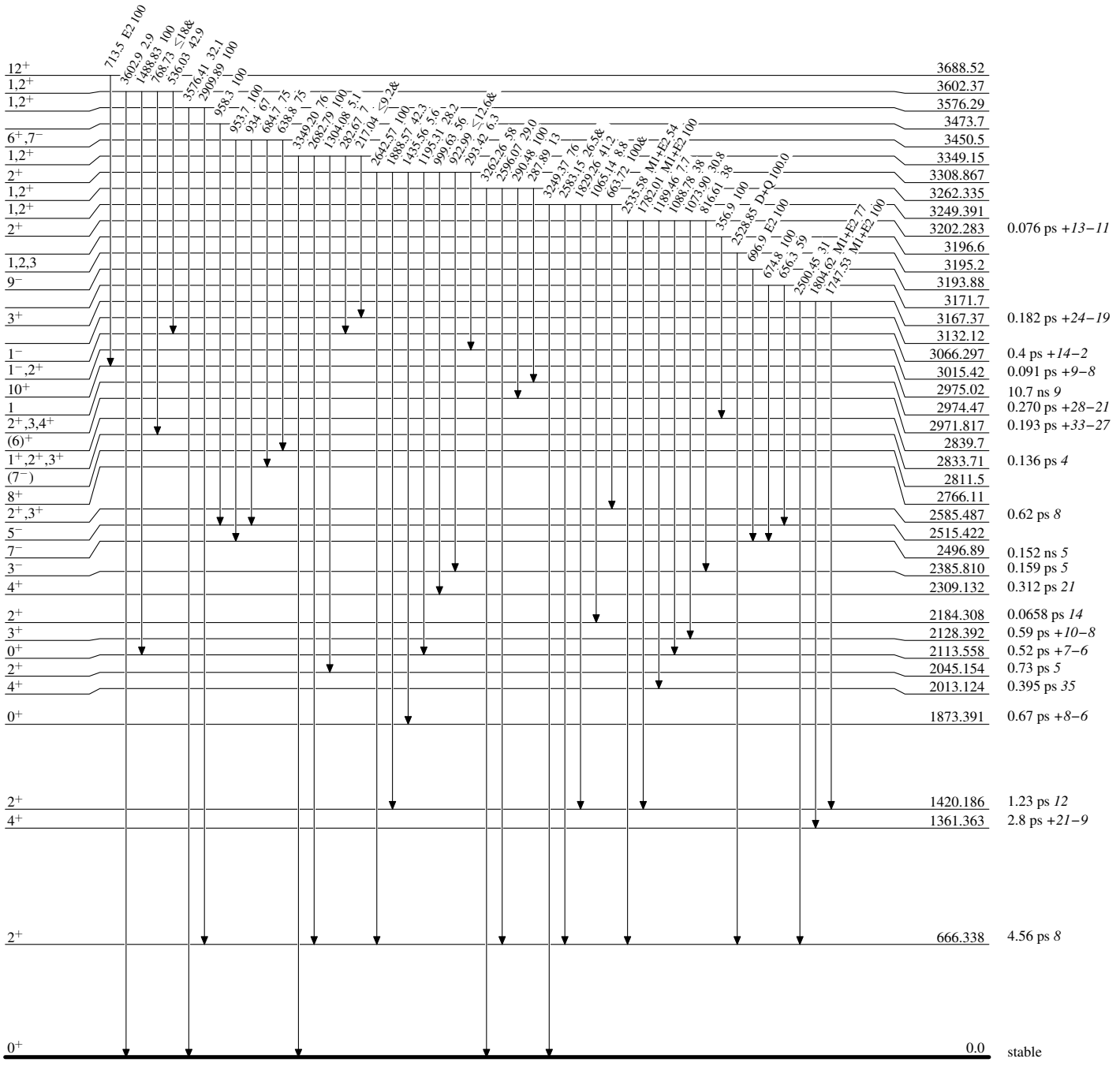


$^{126}_{52}Te_{74}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

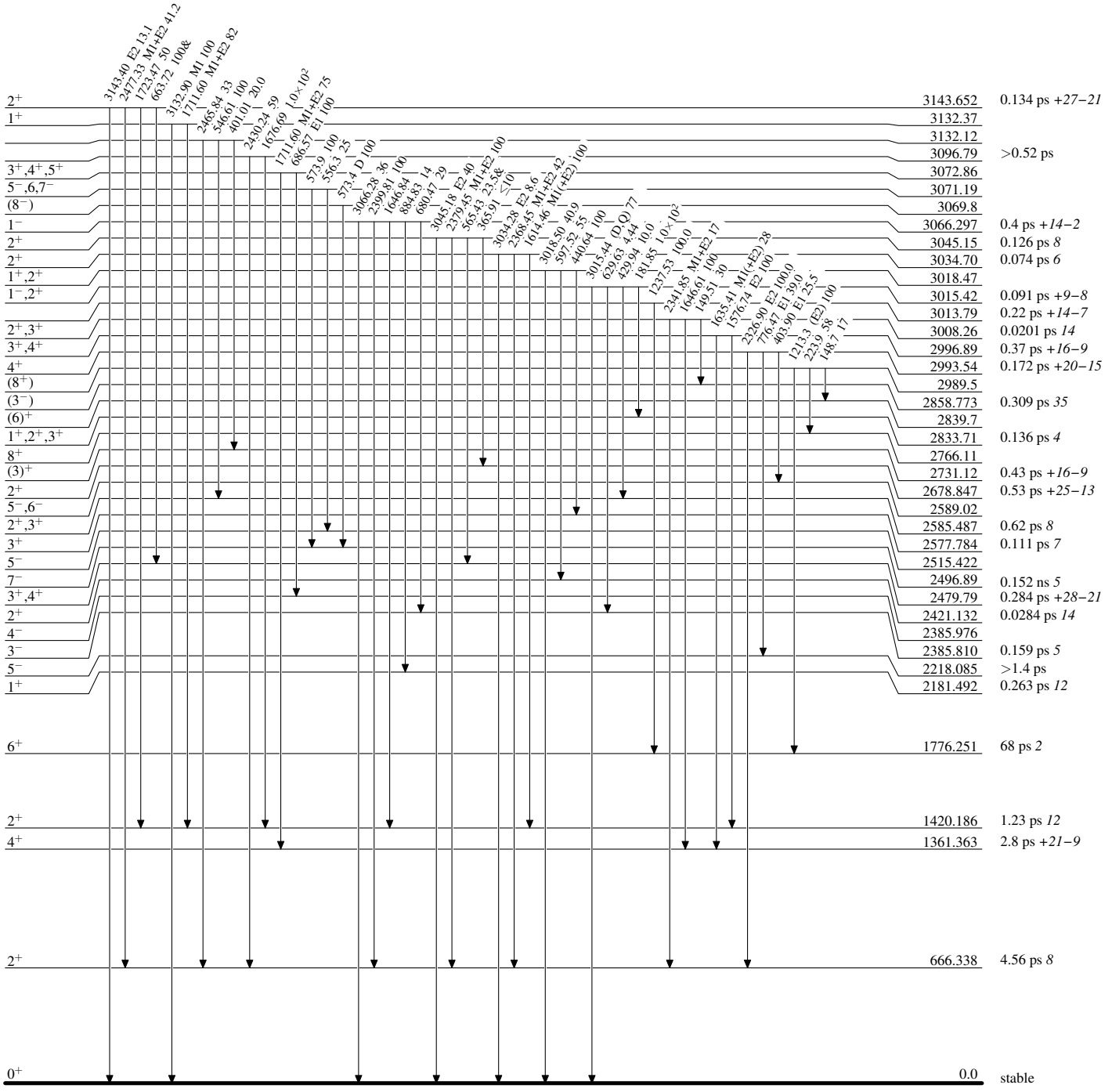


$^{126}_{52}Te_{74}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

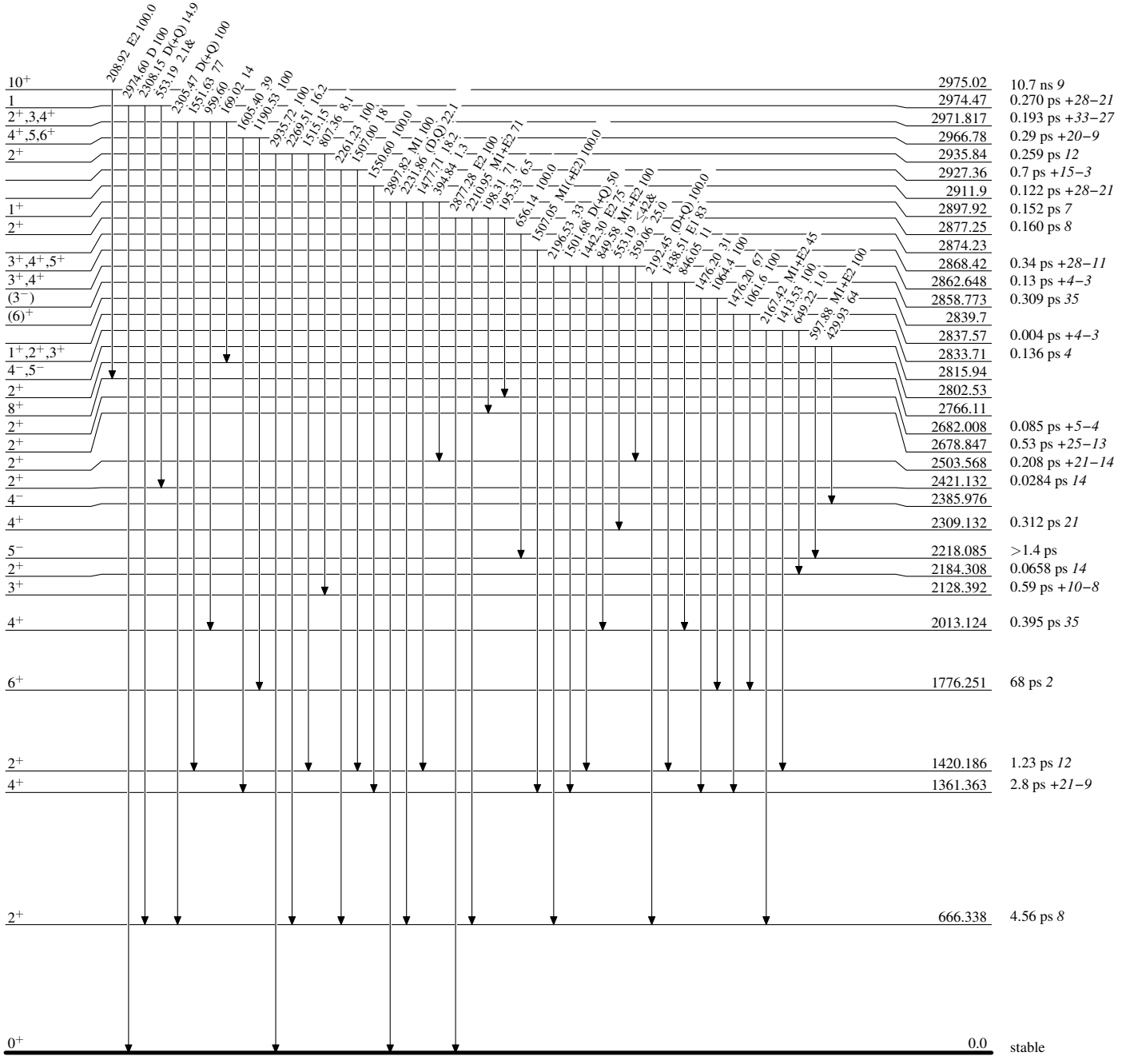


$^{126}_{52}Te_{74}$

Adopted Levels, Gammas

Level Scheme (continued)

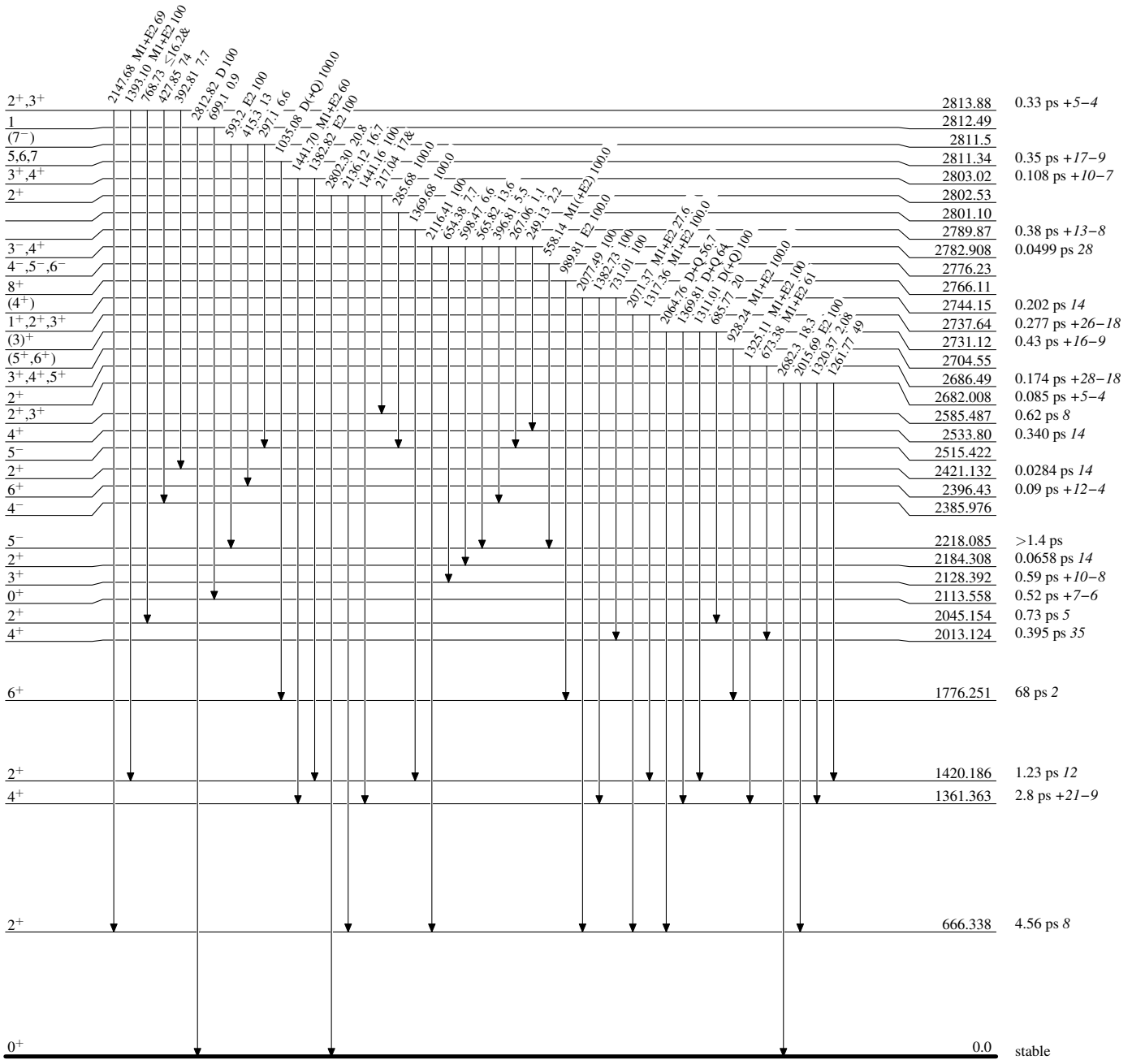
Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

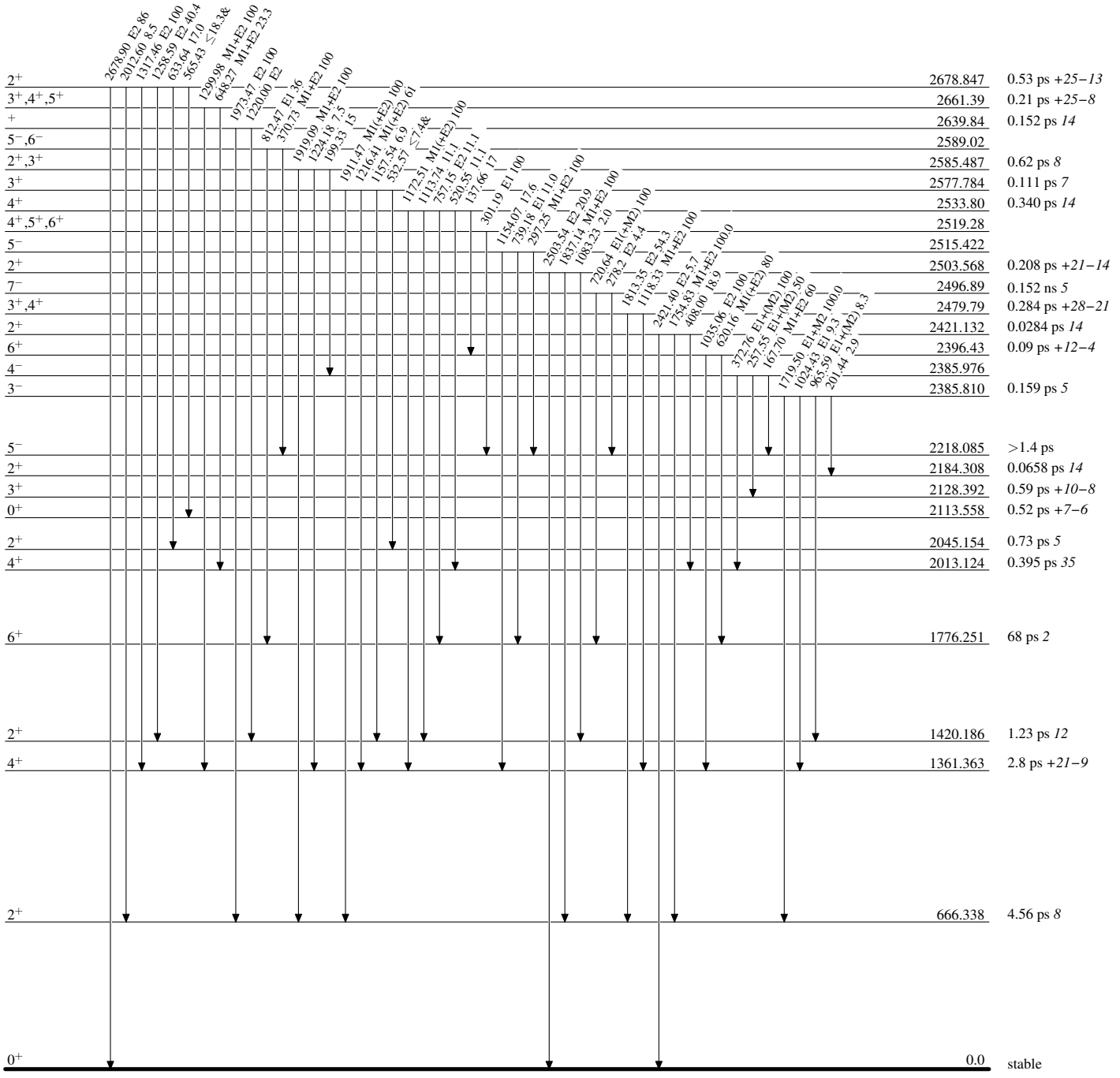


$^{126}_{52}Te_{74}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

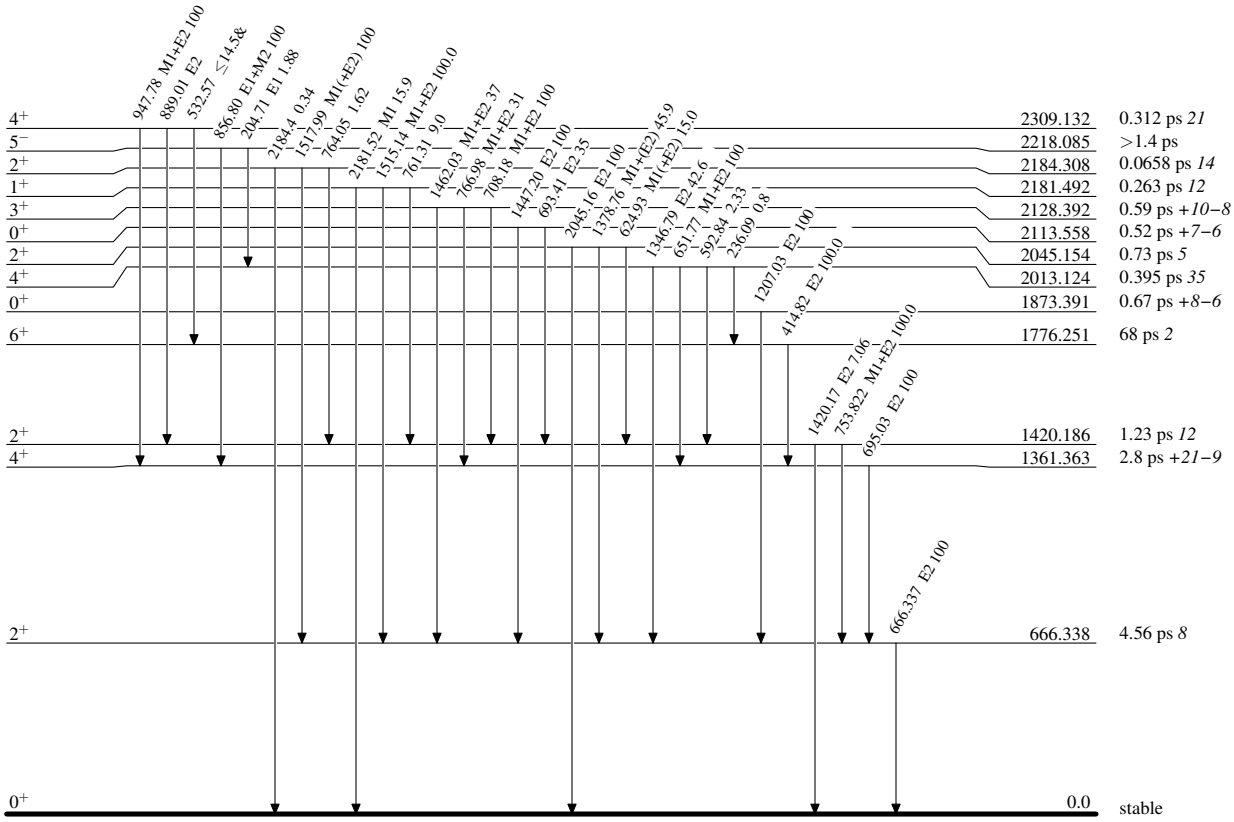


$^{126}_{52}Te_{74}$

Adopted Levels, Gammas

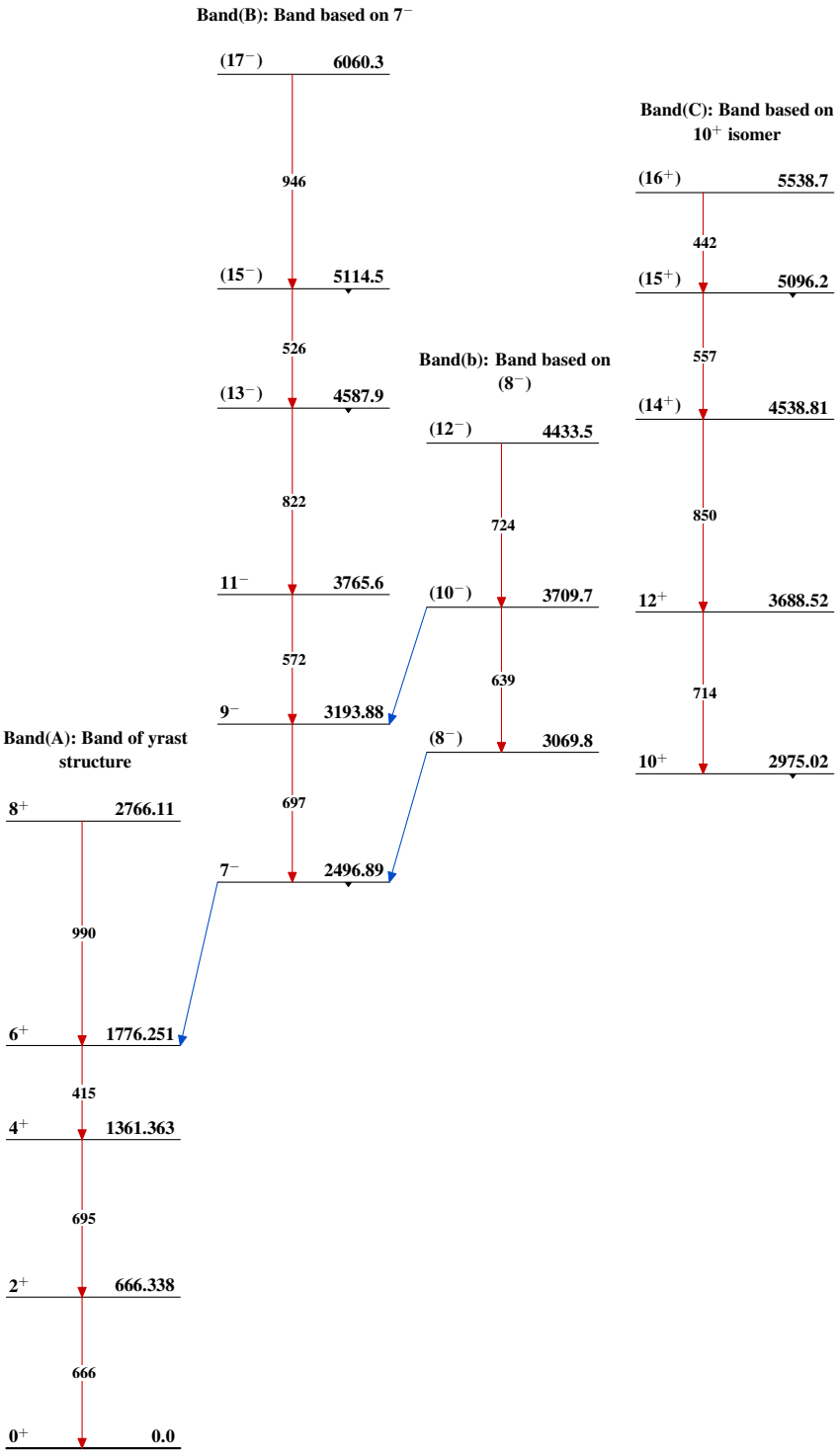
Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given



$^{126}_{52}Te_{74}$

Adopted Levels, Gammas



$^{126}_{52}Te_{74}$