Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja	NDS 189,1 (2023)	14-Feb-2023

Q(β^-)=−809.3 *15*; S(n)=5518.6 *5*; S(p)=6163.6 *11*; Q(α)=5624.5 *5* 2021Wa16
S(2n)=12320.0 *11*, S(2p)=11328.0 *25* (2021Wa16).

^{245}Cm Levels

Cross Reference (XREF) Flags

- A ^{245}Am β^- decay
- B ^{245}Bk ε decay
- C ^{249}Cf α decay
- D ^{246}Cm(d,t), ^{244}Cm(d,p)

E(level)[†]	J$^\pi$	T$_{1/2}$	XREF	Comments
0.0[#]	7/2$^+$	8423 y *74*	ABCD	%α=100; %SF=6.0×10^{-7} *8* μ=0.5 *1* J$^\pi$: Spin from measured paramagnetic resonance (1970Ab03). Parity from Nilsson orbital assignment which is in agreement with calculation using quasiparticle-phonon model (2015Sh07) and the projected shell model (2016Sa20). μ: Electron Paramagnetic Resonance (1970Ab03,2019StZV). rms charge radius <r^2>$^{1/2}$=5.848 fm *18* (2013An02). T$_{1/2}$: From weighted average of 8245 y *70* (2009KoZV, 2008KoZP), 8445 y *100* (1982Po14), 8532 y *53* (1971Ma32), and 8265 y *180* (1969Me01). Other evaluated values: 8250 *70* (2012Ch30), 8480 y *60* (1989Ho24), 8500 y *200* (1986LoZT). Earlier measurements: 1961Ca01, 1955Br02, 1954Fr19, 1954Hu50. T$_{1/2}$(SF)=1.4×10^{12} y *2*, measured by 1985Dr10 and recommended by 2000Ho27,1989Ho24 Theoretical calculations of T$_{1/2\ 1/2}$(SF): 9.5×10^{12} y (2005RoZS). Others: 1978Po09, 1990Bh02, 2005Re16. %SF is deduced by the evaluator from the adopted total and partial half-lives.
54.784[#] *12*	9/2$^+$	≤0.10 ns	ABCD	J$^\pi$: M1 240.9γ from 7/2$^+$ 295.7-keV level; band member; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t). T$_{1/2}$: From $\alpha\gamma$(t) in the decay of ^{249}Cf (1972An08).
121.574[#] *15*	11/2$^+$		A CD	J$^\pi$: band member; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
199.8[#] *5*	13/2$^+$		C	J$^\pi$: Band member.
252.838[@] *17*	5/2$^+$		ABCD	J$^\pi$: M1+E2 252.8γ to 7/2$^+$ g.s.; E2 103.1γ from 1/2$^+$ 355.9-keV level.
295.705[@] *13*	7/2$^+$		ABCD	J$^\pi$: M1+E2 295.7γ to 7/2$^+$ g.s.; band member; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
350.640[@] *30*	9/2$^+$		CD	J$^\pi$: 229.2γ to 11/2$^+$ 121.6-keV level; band member; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
355.96[&] *9*	1/2$^+$	0.29 μs *2*	B D	J$^\pi$: M1 385.6γ from (1/2$^+$) 740.9-keV level; band member; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t). T$_{1/2}$: From γ-ce delayed coincidence method in the decay of ^{245}Bk (1975Ya03).
361.44[&] *32*	3/2$^+$		B	J$^\pi$: 272.2γ from (3/2$^-$) 633.6-keV level; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
388.170[a] *12*	9/2$^-$	0.450 ns *20*	A C	J$^\pi$: (E1) 388.15γ to 7/2$^+$ g.s.; E1+M2 266.6γ to 11/2$^+$ 121.6-keV level.

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Adopted Levels, Gammas (continued)

^{245}Cm Levels (continued)

E(level)[†]	Jπ	XREF	Comments
			$T_{1/2}$: From $\alpha\gamma$(t) in the decay of ^{249}Cf (1972An08).
416.59[@] *4*	11/2$^+$	CD	Jπ: 65.95γ to 9/2$^+$ 350.6-keV level; 356γ from (11/2$^-$) 771-keV level; band member; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
418.7[&] *4*	5/2$^+$	B	Jπ: Band member.
431[‡&] *2*	7/2$^+$	D	Jπ: Band member; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t)1.
442.892[a] *20*	11/2$^-$	C	Jπ: M1+E2 54.77γ to 9/2- 388.2-keV level; band member.
495.8[@] *5*	13/2$^+$	CD	Jπ: Band member; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
508.842[a] *28*	13/2$^-$	C	Jπ: 65.95γ to 11/2- 442.9-keV level; band member.
532[‡&] *2*	9/2$^+$	D	Jπ: Band member; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
554.71[&] *30*	(11/2$^+$)	CD	Jπ: Band member; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
585.4[a] *5*	15/2$^-$	CD	Jπ: Band member; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
633.64 *10*	(3/2)$^-$	AB	Jπ: E1 380.8γ to 5/2$^+$ 252.8-keV level; no γ to 7/2$^+$ 295.7-keV level; log*ft*= 7.1 for ε branch from 3/2$^-$ excludes 7/2$^-$.
643.632[c] *19*	7/2$^-$	A C	Jπ: M1(+E2) 255.47γ to 9/2- 388.2-keV level; large HF in α decay from 9/2$^-$ parent excludes 9/2$^-$; systematics of the experimental and calculated bandhead energies with the 7/2$^-$[743] assignment in N=149 isotones: ^{245}Cm, ^{247}Cf, ^{249}Fm (2012Zh01).
661.52 *7*	(5/2)$^-$	B D	XREF: D(?). Jπ: From E1 365.8γ to 7/2$^+$ 295.7-keV level, 408.7γ to 5/2$^+$.
674.2[a]	17/2$^-$	C	Jπ: Band member.
701.831[c] *20*	9/2$^-$	C	Jπ: M1 259.15γ to 11/2- 442.9-keV level; band member.
736.3 *5*		C	
740.97[b] *12*	(1/2$^+$)	B D	Jπ: 488.2γ to 5/2$^+$ 252.8-keV level; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
763[‡] *6*	(3/2$^+$)	D	Jπ: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
769.2[b] *4*	(3/2)$^+$	B	Jπ: M1 350.5γ to 5/2$^+$ 418-keV level, band member.
771.85[c] *4*	(11/2$^-$)	CD	Jπ: 421.0γ to 9/2$^+$ 350.6-keV level; 650.3γ to 11/2$^+$ 121.6-keV level; band member; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
774.3 *7*		C	
785.23[d] *8*	(9/2$^+$)	CD	Jπ: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
791[‡b] *4*	(5/2$^+$)	D	Jπ: Band member; from L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
841.1 *5*		C	
849.19 *26*		C	
852.58[c] *10*	(13/2$^-$)	C	Jπ: Band member.
856[‡b] *3*	(7/2$^+$)	D	Jπ: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
890.61[b] *9*	(9/2$^+$)	CD	Jπ: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
900.1 *5*		C	
906.6 *5*		C	
908[‡e] *5*	(3/2$^+$)	D	Jπ: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
913[‡f] *3*	1/2$^-$	D	Jπ: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
942[‡e] *3*	(5/2$^+$)	D	Jπ: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
956[‡f] *2*	(3/2$^-$,5/2$^-$)	D	Jπ: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
971.379 *21*	(7/2$^+$,9/2$^+$)	C	Jπ: 718.50γ to 5/2$^+$ 252.8-keV level; 849.9γ to 11/2$^+$ 121.6-keV level;
980[g] *5*	(3/2$^-$)	D	Jπ: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
995[‡e] *5*	(7/2$^+$)	D	Jπ: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
995[‡h] *5*	(5/2$^+$)	D	Jπ: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
1017[‡g] *4*	(7/2$^-$)	D	Jπ: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
1042[‡e] *5*	(9/2$^+$)	D	Jπ: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
1050[‡] *5*		D	
1054.7 *8*		C	
1056[‡] *3*		D	

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Adopted Levels, Gammas (continued)

^{245}Cm Levels (continued)

E(level)[†]	J^π	$T_{1/2}$	XREF	Comments
1083[‡h] *3*	($9/2^+$)		D	J^π: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
1102.3 *5*			CD	
1259[‡] *5*			D	
1271[‡i] *2*	($5/2^-$)		D	J^π: From L transfer in ^{246}Cm(d,t),^{244}Cm(d,t).
1473[‡] *3*			D	
2.1×10^3 *3*		13.2 ns *18*		%SF≤100 E(level): Recommended in 1990Bh02. $T_{1/2}$: 13.2 ns *18* (1972Wo07), 23 ns *5* (1971Br39). 13.2 ns *18* recommended in 1973Br38, 13 ns *2* in 1990Bh02.

[†] From least-squares fit to Eγ data by the evaluator, except as noted.
[‡] From ^{244}Cm(d,p), ^{246}Cm(d,t) dataset.
[#] Band(A): 7/2[624] rotational band.
[@] Band(B): 5/2[622] rotational band.
[&] Band(C): 1/2[631] rotational band.
[a] Band(D): 9/2[734] rotational band.
[b] Band(E): 1/2[620] rotational band.
[c] Band(F): 7/2[743] rotational band.
[d] Band(G): 7/2[613] rotational band.
[e] Band(H): 3/2[622] rotational band.
[f] Band(I): 1/2[501] rotational band.
[g] Band(J): 1/2[750] rotational band.
[h] Band(K): 3/2[631] rotational band.
[i] Band(L): 5/2[503] rotational band.

Adopted Levels, Gammas (continued)

γ(^{245}Cm)

Additional information 1.

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.	δ	α[a]	Comments
54.784	9/2$^+$	54.77 *2*	100	0.0	7/2$^+$				
121.574	11/2$^+$	66.80 *2*	52 *29*	54.784	9/2$^+$	M1+E2[#]	0.44[@] *+6−7*	39 *4*	α(L)=28.8 *31*; α(M)=7.6 *9* α(N)=2.10 *25*; α(O)=0.52 *6*; α(P)=0.094 *10*; α(Q)=0.00357 *14*
		121.60 *4*	100 *14*	0.0	7/2$^+$	E2[#]		7.60 *11*	α(L)=5.49 *8*; α(M)=1.552 *22* α(N)=0.432 *6*; α(O)=0.1047 *15*; α(P)=0.01749 *25*; α(Q)=8.63×10^{-5} *12*
252.838	5/2$^+$	198.1 *3*	0.34 *13*	54.784	9/2$^+$	E2[&]		1.021 *15*	α(K)=0.1474 *21*; α(L)=0.633 *10*; α(M)=0.1774 *27* α(N)=0.0493 *8*; α(O)=0.01200 *19*; α(P)=0.002042 *31*; α(Q)=1.827×10^{-5} *27*
		252.82 *3*	100 *3*	0.0	7/2$^+$	M1+E2	0.16 *+6−4*	2.25 *5*	α(K)=1.76 *4*; α(L)=0.366 *6*; α(M)=0.0895 *14* α(N)=0.0246 *4*; α(O)=0.00626 *10*; α(P)=0.001229 *20*; α(Q)=8.66×10^{-5} *21* Mult.,δ: From conversion electron data in ^{249}Cf α decay, ^{245}Am β- decay, and ^{245}Bk ε decay.
295.705	7/2$^+$	42.87 *2*	16.9 *7*	252.838	5/2$^+$				
		240.90 *4*	100 *4*	54.784	9/2$^+$	M1[#]		2.63 *4*	α(K)=2.064 *29*; α(L)=0.423 *6*; α(M)=0.1033 *14* α(N)=0.0284 *4*; α(O)=0.00722 *10*; α(P)=0.001421 *20*; α(Q)=0.0001015 *14*
		295.73 *2*	65.3 *23*	0.0	7/2$^+$	M1+E2[#]	0.39[@] *+17−24*	1.32 *14*	α(K)=1.02 *12*; α(L)=0.223 *13*; α(M)=0.0550 *28* α(N)=0.0151 *8*; α(O)=0.00384 *20*; α(P)=0.00075 *5*; α(Q)=5.0×10^{-5} *6*
350.640	9/2$^+$	(97.8)		252.838	5/2$^+$				
		229.20 *8*	100	121.574	11/2$^+$				
355.96	1/2$^+$	103.1[‡] *1*	100[‡]	252.838	5/2$^+$	E2[&]		16.25 *24*	B(E2)(W.u.)=0.107 *8* α(L)=11.74 *17*; α(M)=3.32 *5* α(N)=0.924 *14*; α(O)=0.2238 *33*; α(P)=0.0372 *5*; α(Q)=0.0001572 *23*
388.170	9/2$^-$	37.55 *3*	0.0223 *11*	350.640	9/2$^+$				
		92.51 *2*	0.467 *27*	295.705	7/2$^+$				
		266.63 *2*	1.07 *4*	121.574	11/2$^+$	E1+M2[#]	0.076[@] *+7−8*	0.094 *8*	B(E1)(W.u.)=1.74×10^{-7} *11*; B(M2)(W.u.)=0.065 *13* α(K)=0.069 *5*; α(L)=0.0183 *18*; α(M)=0.0046 *5* α(N)=0.00128 *13*; α(O)=0.000323 *34*; α(P)=6.1×10^{-5} *7*; α(Q)=3.7×10^{-6} *4*
		333.37 *2*	22.4 *6*	54.784	9/2$^+$	(E1)[#]		0.0348 *5*	B(E1)(W.u.)=1.87×10^{-6} *11* α(K)=0.0274 *4*; α(L)=0.00553 *8*; α(M)=0.001347 *19*

$^{245}_{96}Cm_{149}$-4

Adopted Levels, Gammas (continued)

γ(^{245}Cm) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.	δ	α[a]	Comments
									α(N)=0.000367 *5*; α(O)=9.20×10^{-5} *13*; α(P)=1.726×10^{-5} *24*; α(Q)=9.91×10^{-7} *14*
388.170	9/2$^-$	388.15 *2*	100 *3*	0.0	7/2$^+$	(E1)[#]		0.0254 *4*	B(E1)(W.u.)=5.30×10^{-6} *24* α(K)=0.02012 *28*; α(L)=0.00396 *6*; α(M)=0.000962 *13* α(N)=0.000263 *4*; α(O)=6.59×10^{-5} *9*; α(P)=1.244×10^{-5} *17*; α(Q)=7.38×10^{-7} *10*
416.59	11/2$^+$	65.95 *2*	100	350.640	9/2$^+$				
442.892	11/2$^-$	54.77 *2*	100 *3*	388.170	9/2$^-$	M1+E2[#]	0.63[@] *4*	121 *8*	α(L)=88 *5*; α(M)=24.1 *16* α(N)=6.7 *4*; α(O)=1.64 *10*; α(P)=0.280 *17*; α(Q)=0.00582 *16*
		321.25 *3*	31.6 *15*	121.574	11/2$^+$	[E1]		0.0376 *5*	α(K)=0.0296 *4*; α(L)=0.00601 *8*; α(M)=0.001464 *20* α(N)=0.000399 *6*; α(O)=0.0001000 *14*; α(P)=1.872×10^{-5} *26*; α(Q)=1.066×10^{-6} *15*
508.842	13/2$^-$	65.95 *2*	100	442.892	11/2$^-$				
554.71	(11/2$^+$)	259.0 *3*	100	295.705	7/2$^+$				
633.64	(3/2)$^-$	272.2[‡] *3*	0.50[‡] *12*	361.44	3/2$^+$	[E1]		0.0537 *8*	α(K)=0.0420 *6*; α(L)=0.00878 *12*; α(M)=0.002142 *30* α(N)=0.000584 *8*; α(O)=0.0001458 *21*; α(P)=2.71×10^{-5} *4*; α(Q)=1.486×10^{-6} *21*
		380.8[‡] *1*	100[‡] *7*	252.838	5/2$^+$	E1[&]		0.0264 *4*	α(K)=0.02091 *29*; α(L)=0.00413 *6*; α(M)=0.001003 *14* α(N)=0.000274 *4*; α(O)=6.87×10^{-5} *10*; α(P)=1.296×10^{-5} *18*; α(Q)=7.65×10^{-7} *11*
643.632	7/2$^-$	255.47 *3*	100 *9*	388.170	9/2$^-$	M1(+E2)[#]	0.19[@] *23*	2.17 *21*	α(K)=1.69 *19*; α(L)=0.354 *17*; α(M)=0.0867 *33* α(N)=0.0238 *9*; α(O)=0.00606 *24*; α(P)=0.00119 *6*; α(Q)=8.3×10^{-5} *9*
		347.8 *3*	10.9 *16*	295.705	7/2$^+$				
		390.84 *5*	52 *5*	252.838	5/2$^+$				
		588.79 *4*	1.66 *13*	54.784	9/2$^+$				
		643.64 *3*	39 *4*	0.0	7/2$^+$				
661.52	(5/2)$^-$	365.8[‡] *1*	100[‡] *8*	295.705	7/2$^+$	E1[&]		0.0287 *4*	α(K)=0.02268 *32*; α(L)=0.00451 *6*; α(M)=0.001096 *15* α(N)=0.000299 *4*; α(O)=7.50×10^{-5} *11*; α(P)=1.412×10^{-5} *20*; α(Q)=8.27×10^{-7} *12*
		408.7[‡] *1*	51[‡] *8*	252.838	5/2$^+$	[E1]		0.02287 *32*	α(K)=0.01816 *25*; α(L)=0.00355 *5*; α(M)=0.000861 *12* α(N)=0.0002349 *33*; α(O)=5.90×10^{-5} *8*; α(P)=1.116×10^{-5} *16*; α(Q)=6.69×10^{-7} *9*
701.831	9/2$^-$	259.15 *7*	100 *11*	442.892	11/2$^-$	M1[#]		2.143 *30*	α(K)=1.684 *24*; α(L)=0.344 *5*; α(M)=0.0842 *12* α(N)=0.02311 *32*; α(O)=0.00589 *8*; α(P)=0.001158 *16*; α(Q)=8.26×10^{-5} *12*
		314.0 *3*	34 *7*	388.170	9/2$^-$				
		405.93 *6*	56.5 *35*	295.705	7/2$^+$				

$^{245}_{96}Cm_{149}$-5

Adopted Levels, Gammas (continued)

γ(^{245}Cm) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.	α[a]	Comments
701.831	9/2⁻	580.27 *9*	2.0 *2*	121.574	11/2⁺			
		647.04 *3*	18.6 *9*	54.784	9/2⁺			
		701.84 *3*	11.6 *11*	0.0	7/2⁺			
736.3		483.5 *5*	100	252.838	5/2⁺			
740.97	(1/2⁺)	385.0[‡] *1*	100[‡]	355.96	1/2⁺	M1[&]	0.718 *10*	α(K)=0.565 *8*; α(L)=0.1147 *16*; α(M)=0.0280 *4* α(N)=0.00769 *11*; α(O)=0.001958 *27*; α(P)=0.000385 *5*; α(Q)=2.74×10^{-5} *4*
		488.2[‡] *2*	2.5[‡] *5*	252.838	5/2⁺	[E2]	0.0623 *9*	α(K)=0.0345 *5*; α(L)=0.02039 *29*; α(M)=0.00546 *8* α(N)=0.001511 *21*; α(O)=0.000373 *5*; α(P)=6.73×10^{-5} *9*; α(Q)=2.012×10^{-6} *28*
769.2	(3/2)⁺	350.5[‡] *1*	100[‡] *8*	418.7	5/2⁺	M1[&]	0.929 *13*	α(K)=0.731 *10*; α(L)=0.1487 *21*; α(M)=0.0363 *5* α(N)=0.00996 *14*; α(O)=0.00254 *4*; α(P)=0.000499 *7*; α(Q)=3.56×10^{-5} *5*
		407.8[‡] *2*	37[‡]	361.44	3/2⁺			
771.85	(11/2⁻)	356 *1*	≤100	416.59	11/2⁺			
		421.0 *3*	7.4 *7*	350.640	9/2⁺			
		650.30 *5*	2.22 *20*	121.574	11/2⁺			
		717.04 *5*	3.13 *20*	54.784	9/2⁺			
774.3		652.7 *7*	100	121.574	11/2⁺			
785.23	(9/2⁺)	663.65 *8*	100	121.574	11/2⁺			
841.1		841.1 *5*	100	0.0	7/2⁺			
849.19		596.1 *3*	100 *15*	252.838	5/2⁺			
		849.9 *5*	14.0 *23*	0.0	7/2⁺			
852.58	(13/2⁻)	731.0 *1*	100 *11*	121.574	11/2⁺			
		798.0 *5*	19.7 *30*	54.784	9/2⁺			
890.61	(9/2⁺)	890.61 *9*	100	0.0	7/2⁺			
900.1		483.5 *5*	100	416.59	11/2⁺			
906.6		906.6 *5*	100	0.0	7/2⁺			
971.379	(7/2⁺,9/2⁺)	718.50 *3*	48.7 *34*	252.838	5/2⁺			
		849.9 *5*	1.01 *17*	121.574	11/2⁺			
		916.63 *3*	16.8 *8*	54.784	9/2⁺			
		971.38 *4*	100 *7*	0.0	7/2⁺			
1054.7		1054.7 *8*	100	0.0	7/2⁺			
1102.3		1102.3 *5*	100	0.0	7/2⁺			

[†] From ^{249}Cf α decay, except as noted.
[‡] From ^{245}Bk ε decay.
[#] From conversion electron data in ^{249}Cf α decay.
[@] From conversion electron data in ^{249}Cf α decay.

$^{245}_{96}Cm_{149}$-6

Adopted Levels, Gammas (continued)

$\gamma(^{245}Cm)$ (continued)

[&] From conversion electron data in ^{245}Bk ε decay.
[a] Additional information 2.

$^{245}_{96}Cm_{149}$-7

Adopted Levels, Gammas

Level Scheme

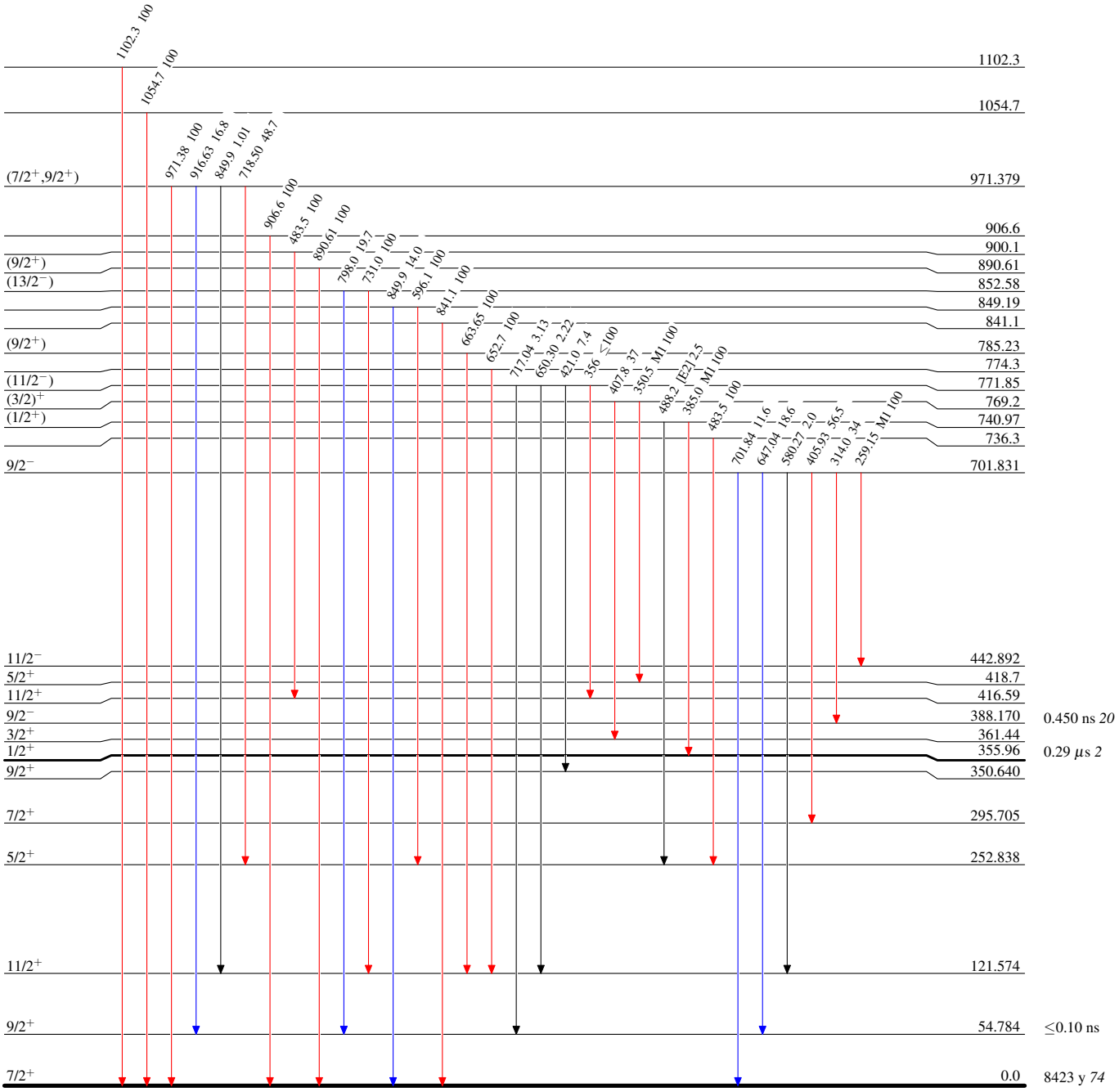
Intensities: Type not specified

Legend

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

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

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



$^{245}_{96}Cm_{149}$

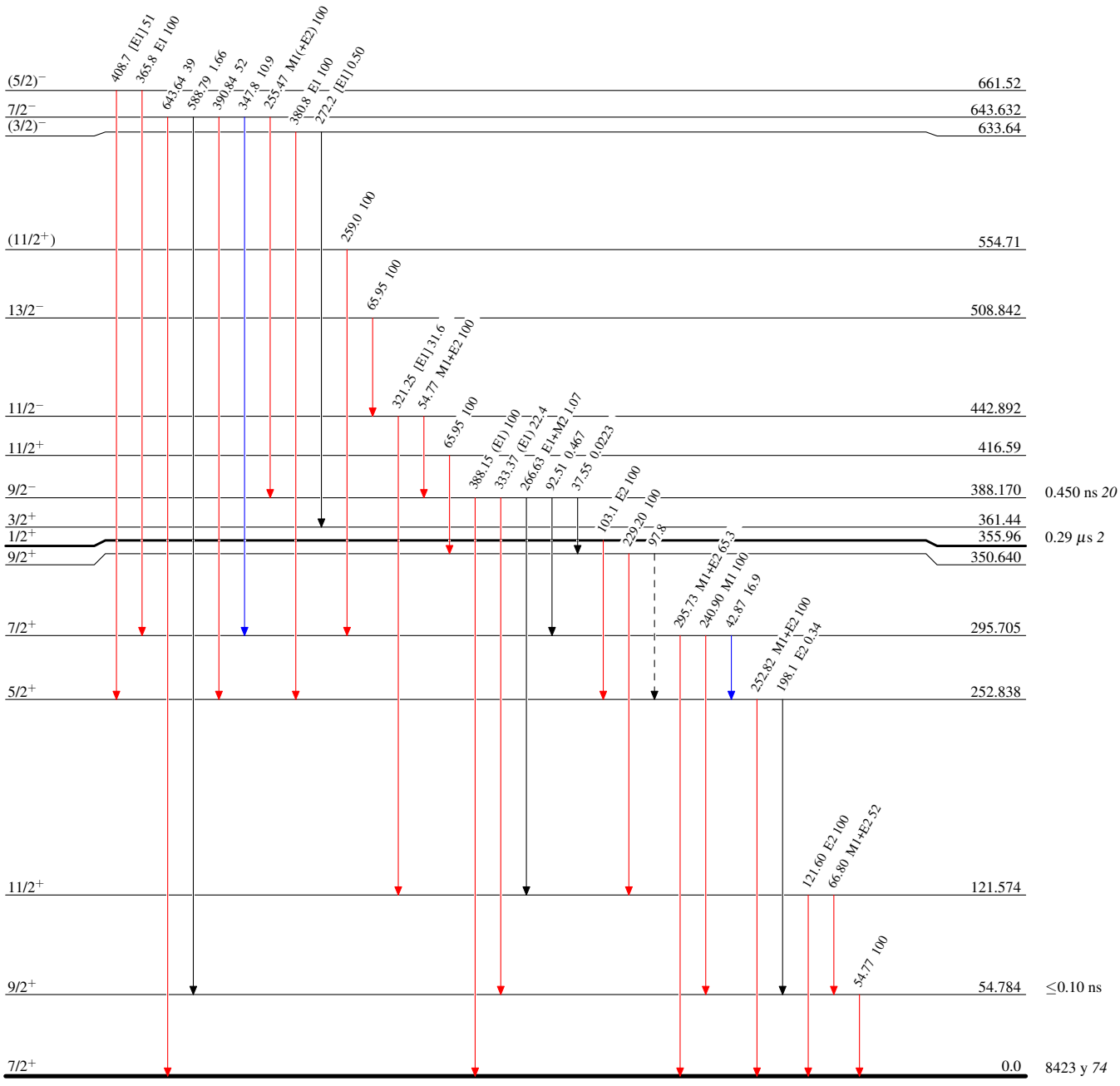
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

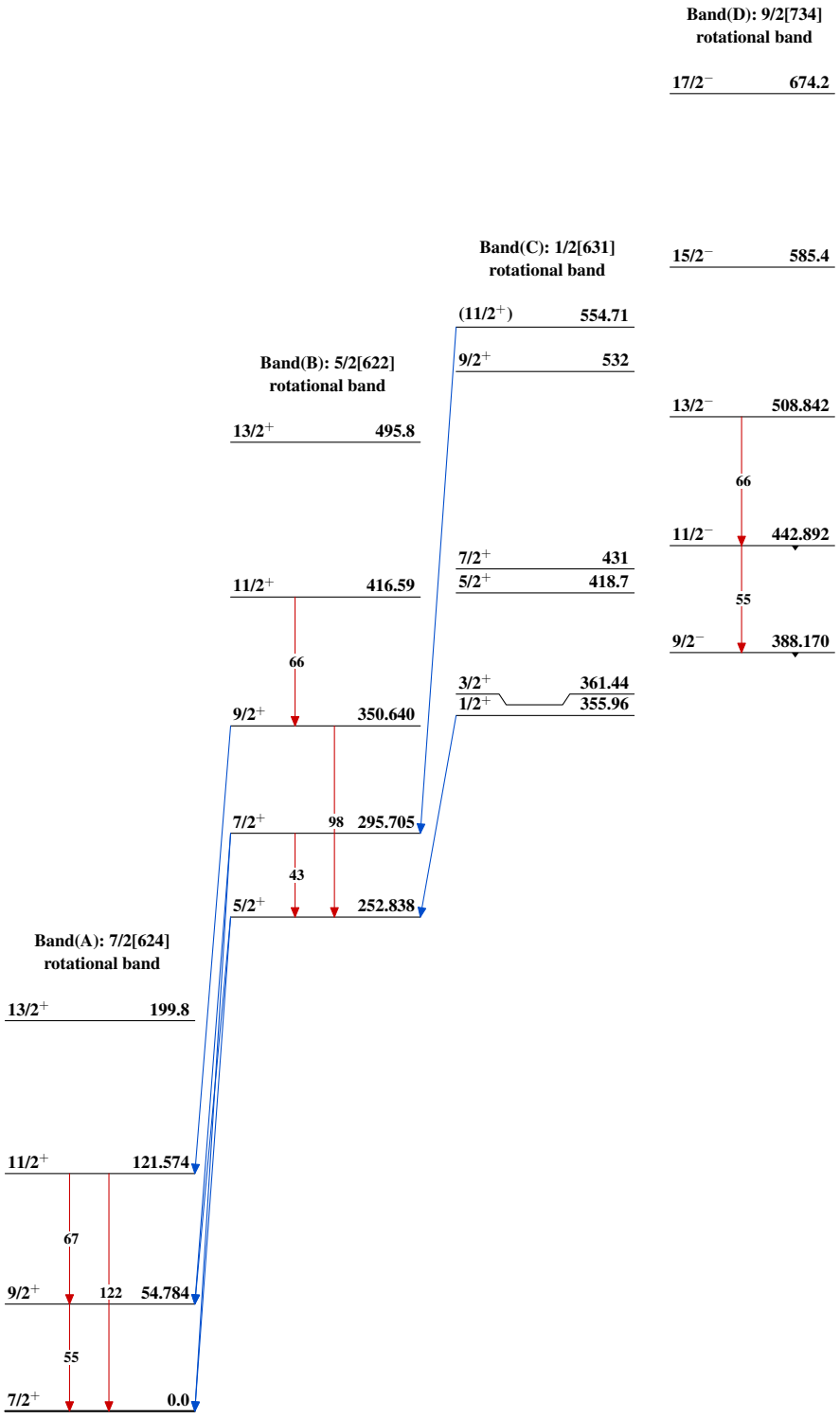
Legend

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



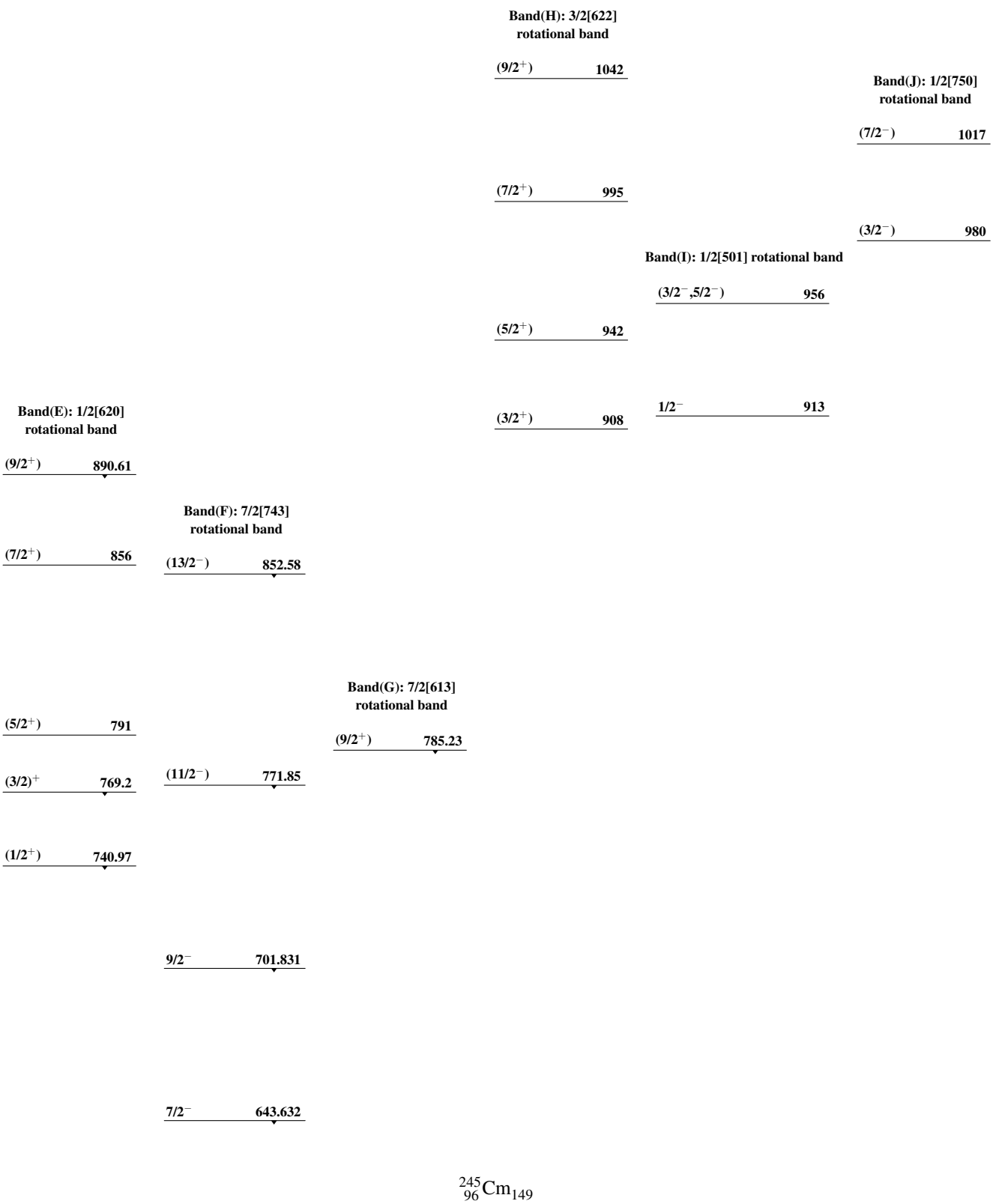
$^{245}_{96}Cm_{149}$

Adopted Levels, Gammas



$^{245}_{96}Cm_{149}$

Adopted Levels, Gammas (continued)



$^{245}_{96}Cm_{149}$

Adopted Levels, Gammas (continued)

Band(L): 5/2[503] rotational band

$(5/2^-)$ 1271

Band(K): 3/2[631] rotational band

$(9/2^+)$ 1083

$(5/2^+)$ 995

$^{245}_{96}Cm_{149}$