Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 187,1 (2023)	12-Oct-2022

Q(β^-)=5255 *10*; S(n)=5499 *12*; S(p)=8780 *9*; Q(α)=−546 *12* 2021Wa16
S(2n)=9919 *10*, S(2p)=20584 *10*, Q(β^-n)=719 *12* (2021Wa16).
<r^2>$^{1/2}$=4.8689 fm *108* (2013An02).
Measured production cross-section from ^{9}Be(^{238}U,F), E=950 MeV/A (2019Pe09).

^{141}Cs Levels

Cross Reference (XREF) Flags

A ^{141}Xe β^- decay
B ^{248}Cm,^{252}Cf SF decay

E(level)†	J$^\pi$‡	$T_{1/2}$	XREF	Comments
0.0[a]	7/2$^+$	24.84 s *16*	AB	%β^-=100; %β^-n=0.035 *3* μ=+2.438 *10* (2014StZZ,1979Bo01) Q=−0.42 *7* (2016St14,1981Th06) J$^\pi$: from hyperfine structure studies (1979Bo01,1979Ek02); π from analysis of μ (1979Ek02). Configuration=(π1g$_{7/2}$). μ: from collinear fast beam laser spectrocopy − accelerated beam (1979Bo01). Others: 2.42 *3* (1979Ek02), 2.41 *1* (1981Th06). Q: from atomic beam laser spectroscopy (1981Th06). Value adopted in compilation differs from values of 1981Th06 (−0.45 *7*) Other: −0.36 *4* (1979Bo01). %β^-n from 1993Ru01. Others: 0.029% *2* (1980Lu04), 0.043% *7* (1977Re05), 0.0529% *29* (1975As03, 1975As05), 0.073% *11* (1969Ta04). $T_{1/2}$: weighted average: 24.34 s *12* (1993Ru01), 24.94 s *6* (1976Ot03), 24.98 s *13* (1986Ok03). Others: 24.8 s *8* (1980Lu04), 25.6 s *3* (1974Gr29); see also 1976Lu02, 1972Ta29, 1971Kr22, 1970OsZZ, 1969Ta04.
69.061 *7*	(3/2)$^+$	23.3 ns *7*	A	$T_{1/2}$: from ^{141}Xe β^- decay (1975Mo03). Other: 22 ns *6* (^{252}Cf SF decay) (1974ClZX). J$^\pi$: γ to 7/2$^+$ is E2, log *ft*=6.1 via 5/2$^{(-)}$ parent.
105.941[b] *6*	5/2$^+$	8.7 ns *2*	AB	$T_{1/2}$: from ^{141}Xe β^- decay (1975Mo03). Other: 14 ns *1* (^{252}Cf SF decay) (1974ClZX). J$^\pi$: M1+E2 γ to 7/2$^+$, g.s. and E2 γ from 9/2$^+$, 389.
116.85 *4*			A	
187.767 *6*	+	<1.9 ns	A	J$^\pi$: γ to 7/2$^+$ is E2,(M1). $T_{1/2}$: from 1975Mo03 (^{141}Xe β^- decay).
206.663 *6*		<2.1 ns	A	$T_{1/2}$: from 1975Mo03 (^{141}Xe β^- decay).
369.53[a] *10*	11/2$^+$#		AB	
389.04[b] *3*	9/2$^+$		AB	J$^\pi$: M1+E2 γ to 7/2$^+$, g.s. and band assignment.
467.89 *3*	+		A	J$^\pi$: γ to 7/2$^+$ is M1,E2.
492.77 *3*			A	
557.05 *4*	+		A	J$^\pi$: γ to 7/2$^+$ is M1,E2.
644.23 *5*	+		A	J$^\pi$: γ to 5/2$^+$, 105 is M1,E2.
668.77 *4*			A	
800.96 *3*			A	
842.96 *9*			A	
850.6[a] *8*	15/2$^+$		B	J$^\pi$: E2 γ to 11/2$^+$, 370 and band assignment.
862.3[b] *7*	13/2$^+$#		B	
975.08 *18*			A	
979.72 *8*			A	

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{141}Cs Levels (continued)

E(level)[†]	Jπ[‡]	XREF	Comments
1097.20 *3*	7/2(−),5/2(−)	A	Jπ: log *ft*=5.3 via 5/2(−) parent, γ to 7/2+.
1121.01 *6*		A	
1134.09 *5*		A	
1195.66 *8*		A	
1338.82 *10*		A	
1482.8[a] *10*	19/2+	B	Jπ: E2 γ to 15/2+, 851.
1488.8[b] *9*	17/2+	B	Jπ: E2 γ to 13/2+, 862.
1549.8[c] *10*	(15/2−)[@]	B	
1556.60 *3*	5/2(−),7/2(−)	A	Jπ: log *ft*=5.4 via 5/2(−) parent, γ to 7/2+.
1577.1 *13*		B	
1632.2[d] *12*	(17/2−)[@]	B	
1660.9 *10*	(17/2)	B	Jπ: D γ to 15/2+.
1941.4[c] *10*	(19/2−)[@]	B	Jπ: D γ to 17/2+, 1489 (compatible with the assignment based on similar ^{143}Cs level scheme).
2000.7[e] *10*	(19/2)[&]	B	
2086.7[d] *11*	(21/2−)[@]	B	Jπ: D γ to 19/2+, 1483 (compatible with the assignment based on similar ^{143}Cs level scheme).
2113.4[b] *10*	21/2+	B	Jπ: E2 γ to 17/2+, 1489.
2131.2[a] *11*	23/2+	B	Jπ: E2 γ to 19/2+, 1483.
2285.3 *12*	(23/2+)[&]	B	
2465.9[c] *10*	(23/2−)[@]	B	
2649.4[e] *11*	(23/2)[&]	B	
2675.4[d] *12*	(25/2−)[@]	B	
2784.5[b] *12*	(25/2+)[#]	B	
2789.4[a] *14*	(27/2+)[#]	B	
2994.8[c] *11*	(27/2−)[@]	B	
3056.5 *14*	(27/2+)[&]	B	
3332.7[e] *14*	(27/2)[&]	B	
3345.3[d] *14*	(29/2−)[@]	B	
3501.7[a] *17*	(31/2+)	B	
3504.4[b] *16*	(29/2+)[#]	B	
3603.1[c] *14*	(31/2−)[@]	B	
4272.9[c] *17*	(35/2−)[@]	B	
4345.6[a] *20*	(35/2+)[#]	B	

[†] From least-squares fit to Eγ values. Normalized χ^2=3.4 > critical χ^2=1.4 due to E_γ values from ^{141}Xe β^- decay dataset that are inaccurte.

[‡] For levels seen in SF decay only, J^π are from band assignments.

[#] Based on E2-band assignment.

[@] Tentative J^π assignments for bands 3 and 4 based on similar ^{143}Cs level scheme (^{248}Cm,^{252}Cf SF decay, 2010Lu02).

[&] Postulated by 2010Lu02 in ^{248}Cm,^{252}Cf SF decay based on level scheme arguments.

[a] Band(A): Band 1: simplex=−i, π=+ and g.s. band.

[b] Band(B): Band 2: simplex=+i, π=+ band.

[c] Band(C): Band 3: simplex=+i, π=− band.

[d] Band(D): Band 4: simplex=−i, π=− band.

[e] Band(E): Band 5: based on (19/2).

Adopted Levels, Gammas (continued)

$\gamma(^{141}Cs)$

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	δ[@]	α[#]	Comments
69.061	$(3/2)^+$	69.05 *3*	100	0.0	$7/2^+$	(E2)		7.07	B(E2)(W.u.)=44.0 *14* α(K)=3.53 *5*; α(L)=2.79 *4*; α(M)=0.608 *9* α(N)=0.1227 *18*; α(O)=0.01406 *20*; α(P)=9.26×10^{-5} *13* Mult.: from intensity balance in $\gamma\gamma$ 69γ may be pure E2 or E2(+M1) (with small admixture of M1).
105.941	$5/2^+$	37 *1*		69.061	$(3/2)^+$	[M1]		16.48	α(K)=14.08; α(L)=1.893; α(M)=0.386
		105.942 *6*		0.0	$7/2^+$	M1+E2	5.9 *16*	1.50 *3*	α(exp)=1.5 *2* α(K)=1.002 *17*; α(L)=0.394 *10*; α(M)=0.0850 *20* α(N)=0.0173 *4*; α(O)=0.00204 *5*; α(P)=2.83×10^{-5} *4* Mult.,δ: from α(exp) (^{248}Cm,^{252}Cf SF decay).
116.85		47.78 *5*	100	69.061	$(3/2)^+$				
187.767	+	81.826 *2*	20.9 *15*	105.941	$5/2^+$	[M1]		1.599	α(K)=1.369 *20*; α(L)=0.183 *3*; α(M)=0.0375 *6* α(N)=0.00792 *11*; α(O)=0.001100 *16*; α(P)=5.39×10^{-5} *8*
		118.705 *4*	100 *7*	69.061	$(3/2)^+$				
		187.69 *4*	17.6 *12*	0.0	$7/2^+$	E2,(M1)		0.18 *3*	α(K)=0.147 *14*; α(L)=0.0271 *96*; α(M)=0.0057 *21* α(N)=0.00118 *42*; α(O)=1.52×10^{-4} *47*; α(P)=5.14×10^{-6} *12*
206.663		89.80 *4*	17.7 *18*	116.85					The discrepancy between $T_{1/2}$ for 89.9γ in ^{141}Xe β decay ($T_{1/2}$<2.1 ns) and in ^{252}Cf SF decay ($T_{1/2}$=12 ns) suggests that this γ may be a doublet in SF decay with unknown placement of $T_{1/2}$=12 ns component.
		100.721 *2*	100 *7*	105.941	$5/2^+$				
		137.63 *4*	30.1 *18*	69.061	$(3/2)^+$				
369.53	$11/2^+$	369.5 *1*	100	0.0	$7/2^+$				
389.04	$9/2^+$	283.05[&] *4*	33 *3*	105.941	$5/2^+$	E2		0.0524	α(K)=0.0427 *6*; α(L)=0.00772 *11*; α(M)=0.001616 *23* α(N)=0.000335 *5*; α(O)=4.32×10^{-5} *6*; α(P)=1.439×10^{-6} *21*
		320.2 *5*	≤3.7	69.061	$(3/2)^+$				
		389.11 *4*	100 *10*	0.0	$7/2^+$	M1+E2		0.0211 *17*	α(K)=0.0179 *18*; α(L)=0.00255 *5*; α(M)=0.000524 *13* α(N)=0.0001101 *21*; α(O)=1.50×10^{-5} *3*; α(P)=6.6×10^{-7} *10* Mult.: based on α(K)exp=0.02 *1* in β^- decay and D γ in SF decay.
467.89	+	261.3 *5*	1.3 *6*	206.663					
		280.26 *7*	2.5 *8*	187.767	+				
		361.96 *5*	40 *3*	105.941	$5/2^+$	M1,E2		0.0258 *17*	α(K)=0.0218 *18*; α(L)=0.00316 *13*; α(M)=0.00065 *4* α(N)=0.000136 *6*; α(O)=1.85×10^{-5} *4*; α(P)=8.1×10^{-7} *11* Mult.: based on α(K)exp=0.024 *15* in β^- decay.
		398.9 *2*	11.7 *8*	69.061	$(3/2)^+$				
		467.81 *4*	100 *8*	0.0	$7/2^+$	M1,E2		0.0128 *15*	α(K)=0.0109 *14*; α(L)=0.00150 *8*; α(M)=0.000309 *13* α(N)=6.5×10^{-5} *3*; α(O)=8.9×10^{-6} *7*; α(P)=4.1×10^{-7} *7* Mult.: based on α(K)exp=0.015 *6* in β^- decay.
492.77		122.5 *8*	2.3 *12*	369.53	$11/2^+$				

Adopted Levels, Gammas (continued)

γ(^{141}Cs) (continued)

E_i(level)	J_i^π	E_γ [†]	I_γ [†]	E_f	J_f^π	Mult.[‡]	α[#]	Comments
492.77		286.0[&] *1*	≤11.5	206.663				
		304.9 *3*	8.1 *12*	187.767	$^+$			
		387.00 *6*	29.1 *23*	105.941	$5/2^+$			
		423.89 *5*	100 *8*	69.061	$(3/2)^+$			
		492.85 *6*	32.6 *35*	0.0	$7/2^+$			
557.05	$^+$	89.10 *6*	5.7 *7*	467.89	$^+$			
		167.6 *4*	1.4 *4*	389.04	$9/2^+$			
		369.5 *1*	≤57	187.767	$^+$			
		451.5 *4*	8.6 *21*	105.941	$5/2^+$			
		556.8 *1*	100 *7*	0.0	$7/2^+$	M1,E2	0.0082 *12*	α(K)=0.0070 *11*; α(L)=0.00094 *9*; α(M)=0.000192 *16* α(N)=4.0×10^{-5} *4*; α(O)=5.6×10^{-6} *6*; α(P)=2.6×10^{-7} *5* Mult.: based on α(K)exp=0.008 *3* in β$^-$ decay.
644.23	$^+$	255.24[&] *5*	64 *6*	389.04	$9/2^+$			
		437.7 *4*	7.6 *19*	206.663				
		456.8 *3*	37.7 *38*	187.767	$^+$			
		538.4 *1*	100 *8*	105.941	$5/2^+$	M1,E2	0.0089 *12*	α(K)=0.0076 *11*; α(L)=0.00102 *9*; α(M)=0.000210 *16* α(N)=4.4×10^{-5} *4*; α(O)=6.1×10^{-6} *6*; α(P)=2.9×10^{-7} *5* Mult.: based on α(K)exp(538γ+540γ)=0.011 *3* in β$^-$ decay.
		644.2 *2*	47.2 *38*	0.0	$7/2^+$			
668.77		462.10 *4*	100 *13*	206.663				
		480 *1*	31 *25*	187.767	$^+$			
		599.7 *3*	44 *13*	69.061	$(3/2)^+$			
		669.3 *4*	31 *13*	0.0	$7/2^+$			
800.96		333.0 *3*	10 *2*	467.89	$^+$			
		412.5 *7*	4 *2*	389.04	$9/2^+$			
		594.2 *1*	42 *4*	206.663				
		613.06 *4*	100 *2*	187.767	$^+$			
		731.92 *8*	46 *6*	69.061	$(3/2)^+$			
		801.0 *3*	16 *4*	0.0	$7/2^+$			
842.96		286.0[&] *1*	≤66	557.05	$^+$			
		473.1 *4*	47 *13*	369.53	$11/2^+$			
		842.7 *2*	100 *13*	0.0	$7/2^+$			
850.6	$15/2^+$	481.0	100	369.53	$11/2^+$	E2	0.01048	α(K)=0.00883 *13*; α(L)=0.001318 *19*; α(M)=0.000272 *4* α(N)=5.69×10^{-5} *8*; α(O)=7.64×10^{-6} *11*; α(P)=3.16×10^{-7} *5*
862.3	$13/2^+$	473.4	100 *6*	389.04	$9/2^+$			
		492.7	30.6 *17*	369.53	$11/2^+$	D		
975.08		482.2 *2*	100 *22*	492.77				
		507.6 *4*	56 *22*	467.89	$^+$			
979.72		335.4 *7*	2.1 *11*	644.23	$^+$			
		422.4 *2*	18.1 *53*	557.05	$^+$			
		511.9 *4*	22.3 *43*	467.89	$^+$			
		772.9 *5*	100 *6*	206.663				

$^{141}_{55}Cs_{86}$-4

Adopted Levels, Gammas (continued)

γ(^{141}Cs) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	α[#]	Comments
979.72		791.9 *1*	16.0 *21*	187.767	+			
		873.8 *4*	4.3 *11*	105.941	5/2+			
		979.7 *3*	70 *7*	0.0	7/2+			
1097.20	7/2(−),5/2(−)	254.1[&] *6*	≤0.47	842.96				
		453.2 *2*	2.3 *4*	644.23	+			
		540.12 *4*	22 *2*	557.05	+	(E1)	0.00259	α(K)=0.00225 *4*; α(L)=0.000279 *4*; α(M)=5.67×10^{-5} *8* α(N)=1.195×10^{-5} *17*; α(O)=1.657×10^{-6} *24*; α(P)=8.07×10^{-8} *12* Mult.: from α(K)exp(540γ+538γ)=0.011 *3* in β$^-$ decay.
		604.3 *2*	2.3 *2*	492.77				
		628.8 *3*	2.5 *3*	467.89	+			
		708.6 *7*	0.4 *2*	389.04	9/2+			
		909.23 *5*	100 *7*	187.767	+			
		1097.41 *8*	0.36 *6*	0.0	7/2+			
1121.01		320.2[&] *5*	≤5.4	800.96				
		476.6 *5*	10.9 *44*	644.23	+			
		913.4 *5*	52 *20*	206.663				
		933 *1*	8.7 *87*	187.767	+			
		1015.0 *1*	28.3 *22*	105.941	5/2+			
		1051.96 *9*	100 *9*	69.061	(3/2)+			
		1121.1 *1*	61 *7*	0.0	7/2+			
1134.09		641.19 *7*	100 *17*	492.77				
		744.9 *3*	13.3 *33*	389.04	9/2+			
		946.1 *6*	8.3 *17*	187.767	+			
		1028.25 *7*	85 *7*	105.941	5/2+			
		1134.8 *4*	15.0 *33*	0.0	7/2+			
1195.66		551.7 *1*	100 *10*	644.23	+			
		807.0 *4*	40 *10*	389.04	9/2+			
		988.9 *5*	40 *10*	206.663				
		1007.6 *1*	95 *15*	187.767	+			
		1089.6 *5*	30 *10*	105.941	5/2+			
1338.82		1132.0 *6*	22 *9*	206.663				
		1150.6 *3*	39 *9*	187.767	+			
		1232.9 *1*	100 *13*	105.941	5/2+			
		1270.4 *5*	13.0 *44*	69.061	(3/2)+			
1482.8	19/2+	632.2	100	850.6	15/2+	E2	0.00504	α(K)=0.00429 *6*; α(L)=0.000599 *9*; α(M)=0.0001232 *18* α(N)=2.59×10^{-5} *4*; α(O)=3.52×10^{-6} *5*; α(P)=1.565×10^{-7} *22*
1488.8	17/2+	626.5	100 *6*	862.3	13/2+	E2	0.00516	α(K)=0.00439 *7*; α(L)=0.000614 *9*; α(M)=0.0001263 *18* α(N)=2.65×10^{-5} *4*; α(O)=3.60×10^{-6} *5*; α(P)=1.600×10^{-7} *23*
		638.2	5.4 *3*	850.6	15/2+			
1549.8	(15/2−)	687.5	100	862.3	13/2+			

Adopted Levels, Gammas (continued)

γ(^{141}Cs) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	α[#]	Comments
1556.60	5/2$^{(-)}$,7/2$^{(-)}$	422.4[&] *2*	7.4 *22*	1134.09				
		435.6 *3*	3.0 *4*	1121.01				
		459.30 *4*	100 *9*	1097.20	7/2$^{(-)}$,5/2$^{(-)}$	M1,E2	0.0135 *16*	α(K)=0.0115 *15*; α(L)=0.00158 *7*; α(M)=0.000325 *12* α(N)=6.8×10^{-5} *3*; α(O)=9.4×10^{-6} *6*; α(P)=4.3×10^{-7} *7*
		576.4 *2*	7.0 *9*	979.72				
		755.32 *6*	24.4 *22*	800.96				
		999.8 *6*	2.6 *9*	557.05	+			
		1064.62 *7*	14.4 *13*	492.77				
		1168 *1*	0.9 *4*	389.04	9/2$^+$			
		1368.8 *1*	23.0 *26*	187.767	+			
		1556.66 *8*	52.2 *44*	0.0	7/2$^+$			
1577.1		726.5	100	850.6	15/2$^+$			
1632.2	(17/2$^-$)	781.6	100	850.6	15/2$^+$			
1660.9	(17/2)	810.3	100	850.6	15/2$^+$	D		
1941.4	(19/2$^-$)	391.6	12 *5*	1549.8	(15/2$^-$)			
		452.6	100 *7*	1488.8	17/2$^+$	D		
2000.7	(19/2)	339.8	20 *7*	1660.9	(17/2)			
		511.9	100 *7*	1488.8	17/2$^+$			
		517.9	89 *9*	1482.8	19/2$^+$			
2086.7	(21/2$^-$)	454.5	22 *6*	1632.2	(17/2$^-$)			
		603.9	100 *6*	1482.8	19/2$^+$	D		
2113.4	21/2$^+$	452.5	21 *3*	1660.9	(17/2)			
		624.6	100 *11*	1488.8	17/2$^+$	E2	0.00520	α(K)=0.00442 *7*; α(L)=0.000620 *9*; α(M)=0.0001273 *18* α(N)=2.67×10^{-5} *4*; α(O)=3.63×10^{-6} *5*; α(P)=1.613×10^{-7} *23*
		630.6	3.6 *4*	1482.8	19/2$^+$			
2131.2	23/2$^+$	648.4	100	1482.8	19/2$^+$	E2	0.00473	α(K)=0.00402 *6*; α(L)=0.000560 *8*; α(M)=0.0001149 *16* α(N)=2.41×10^{-5} *4*; α(O)=3.29×10^{-6} *5*; α(P)=1.471×10^{-7} *21*
2285.3	(23/2$^+$)	198.6[a]		2086.7	(21/2$^-$)			
		802.5	100	1482.8	19/2$^+$			
2465.9	(23/2$^-$)	352.5	32 *8*	2113.4	21/2$^+$			
		465.2	21 *5*	2000.7	(19/2)			
		524.5	100 *11*	1941.4	(19/2$^-$)			
2649.4	(23/2)	518.2	15 *3*	2131.2	23/2$^+$			
		648.7	100 *22*	2000.7	(19/2)			
2675.4	(25/2$^-$)	390.1	14 *4*	2285.3	(23/2$^+$)			
		544.2	63 *16*	2131.2	23/2$^+$			
		588.7	100 *26*	2086.7	(21/2$^-$)			
2784.5	(25/2$^+$)	671.1	100	2113.4	21/2$^+$			
2789.4	(27/2$^+$)	658.2	100	2131.2	23/2$^+$			
2994.8	(27/2$^-$)	210.3	32 *11*	2784.5	(25/2$^+$)			
		345.4	29 *10*	2649.4	(23/2)			

$^{141}_{55}Cs_{86}$-6

Adopted Levels, Gammas (continued)

γ(^{141}Cs) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	α[#]	Comments
2994.8	(27/2$^-$)	528.9	100 *33*	2465.9	(23/2$^-$)	E2	0.00806	α(K)=0.00682 *10*; α(L)=0.000993 *14*; α(M)=0.000205 *3* α(N)=4.29×10^{-5} *6*; α(O)=5.78×10^{-6} *8*; α(P)=2.46×10^{-7} *4*
3056.5	(27/2$^+$)	381.1	96	2675.4	(25/2$^-$)			
		771.2	100	2285.3	(23/2$^+$)			
3332.7	(27/2)	683.3	100	2649.4	(23/2)			
3345.3	(29/2$^-$)	288.9[a]		3056.5	(27/2$^+$)			
		555.9	36.3	2789.4	(27/2$^+$)			
		670.0	100	2675.4	(25/2$^-$)			
3501.7	(31/2$^+$)	712.3	100	2789.4	(27/2$^+$)			
3504.4	(29/2$^+$)	719.9	100	2784.5	(25/2$^+$)			
3603.1	(31/2$^-$)	270.4	<8.4	3332.7	(27/2)			
		608.3	100	2994.8	(27/2$^-$)			
4272.9	(35/2$^-$)	669.8	100	3603.1	(31/2$^-$)			
4345.6	(35/2$^+$)	843.9	100	3501.7	(31/2$^+$)			

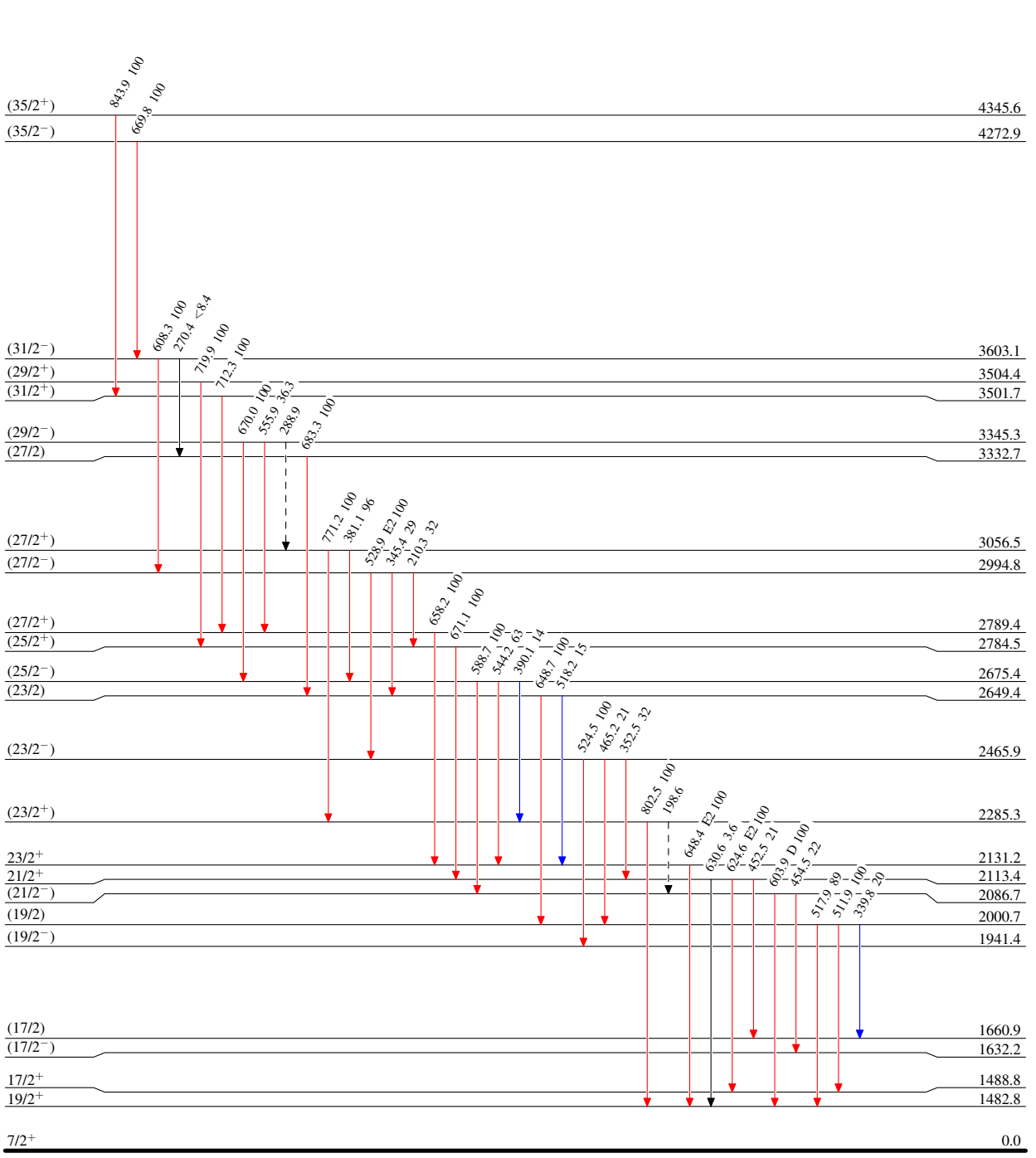
[†] From β^- decay for γ′s coming from this dataset alone or also observed in ^{248}Cm,^{252}Cf SF decay dataset; from ^{248}Cm,^{252}Cf SF decay for γ′s coming only from this dataset.
[‡] For γ′s from ^{248}Cm,^{252}Cf SF decay, from angular correlations measured: Mult=Q, E2 since $T_{1/2}$(level)<10 ns is for ΔJ=2; mult=D for ΔJ=1 or 0.
[#] Additional information 1.
[@] If No value given it was assumed δ=1.00 for E2/M1, δ=1.00 for E3/M2 and δ=0.10 for the other multipolarities.
[&] Multiply placed.
[a] Placement of transition in the level scheme is uncertain.

$^{141}_{55}Cs_{86}$-7

Adopted Levels, Gammas

Level Scheme

Intensities: Type not specified

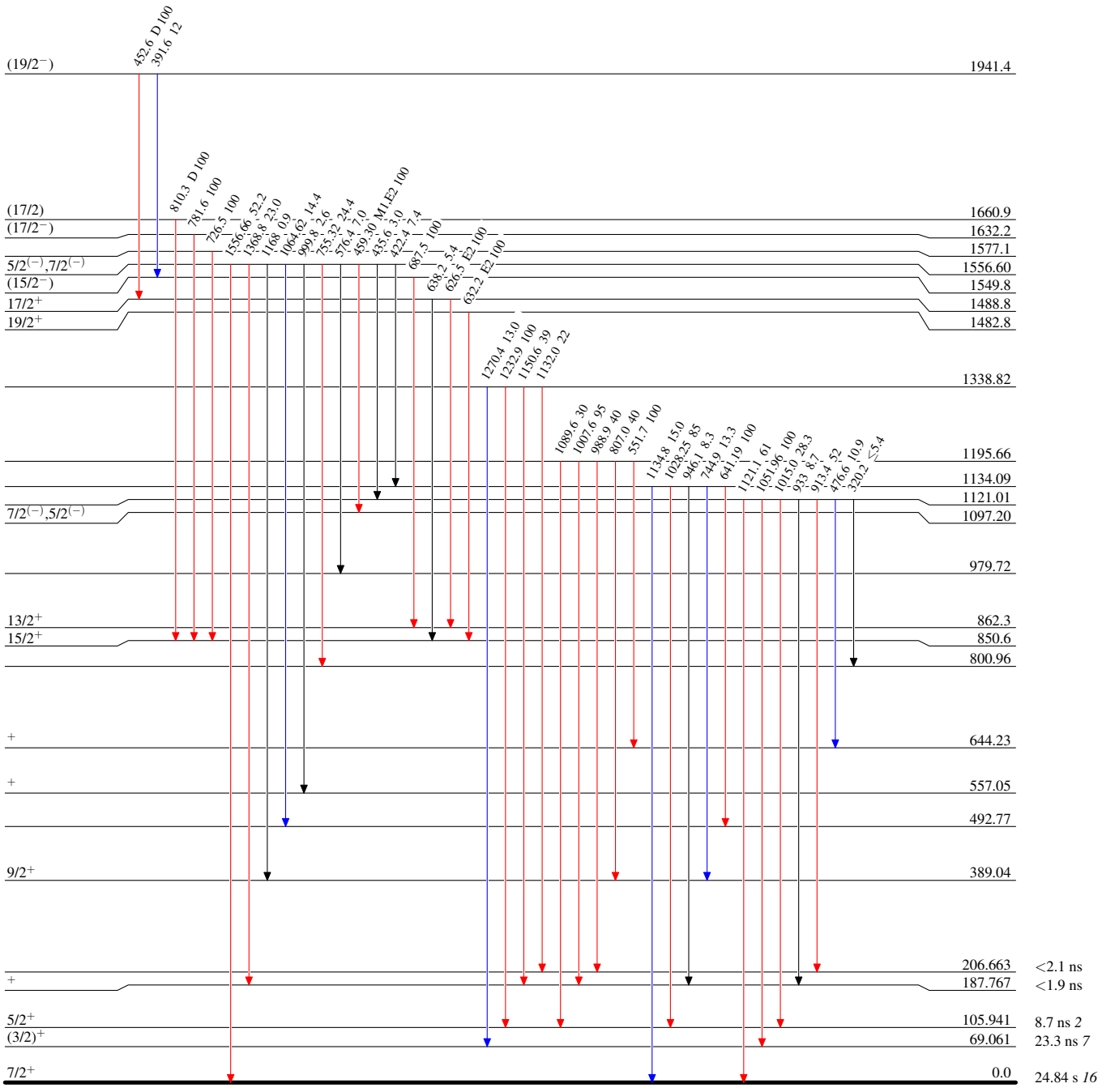


$^{141}_{55}Cs_{86}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

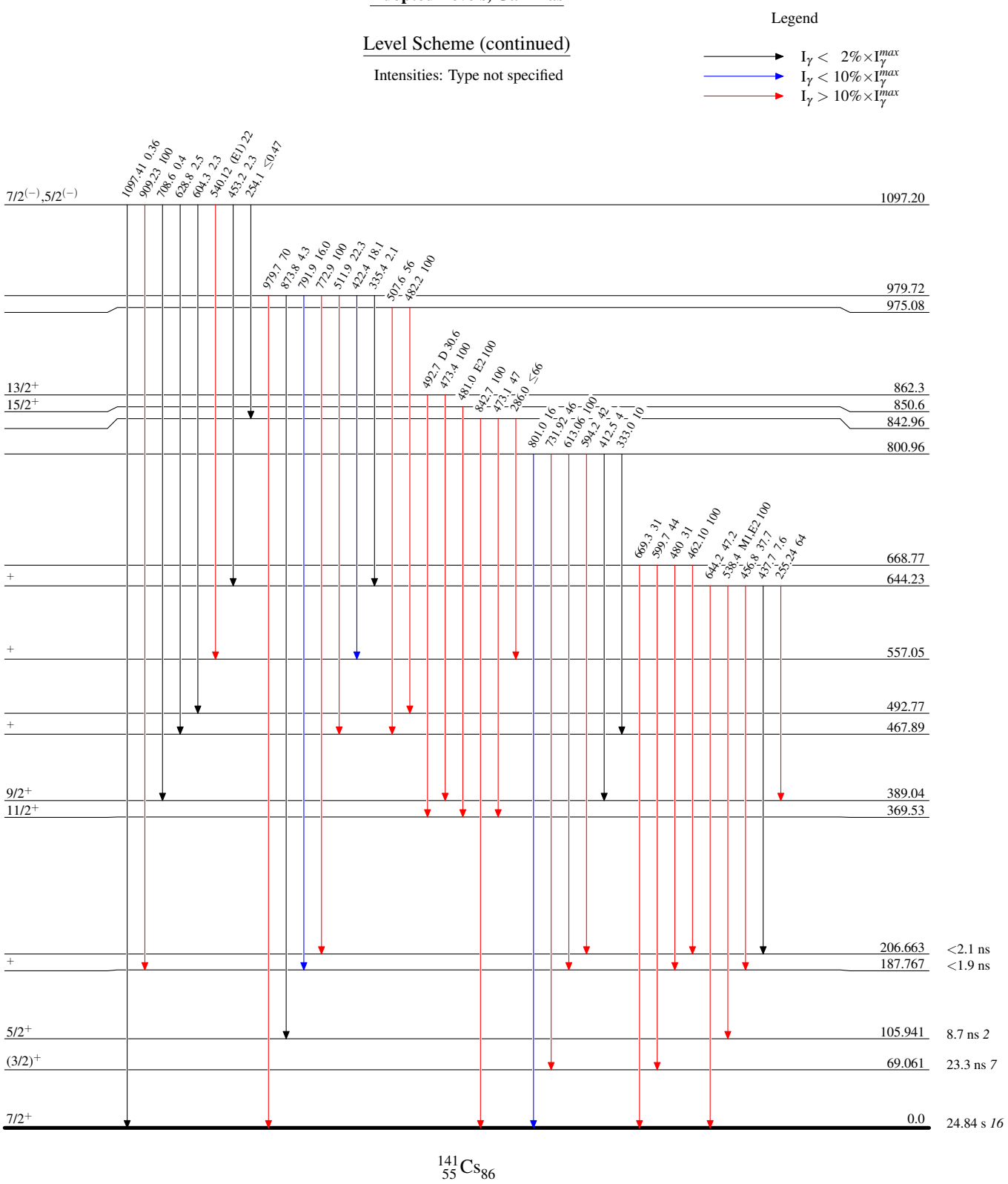


$^{141}_{55}Cs_{86}$

Adopted Levels, Gammas

Level Scheme (continued)

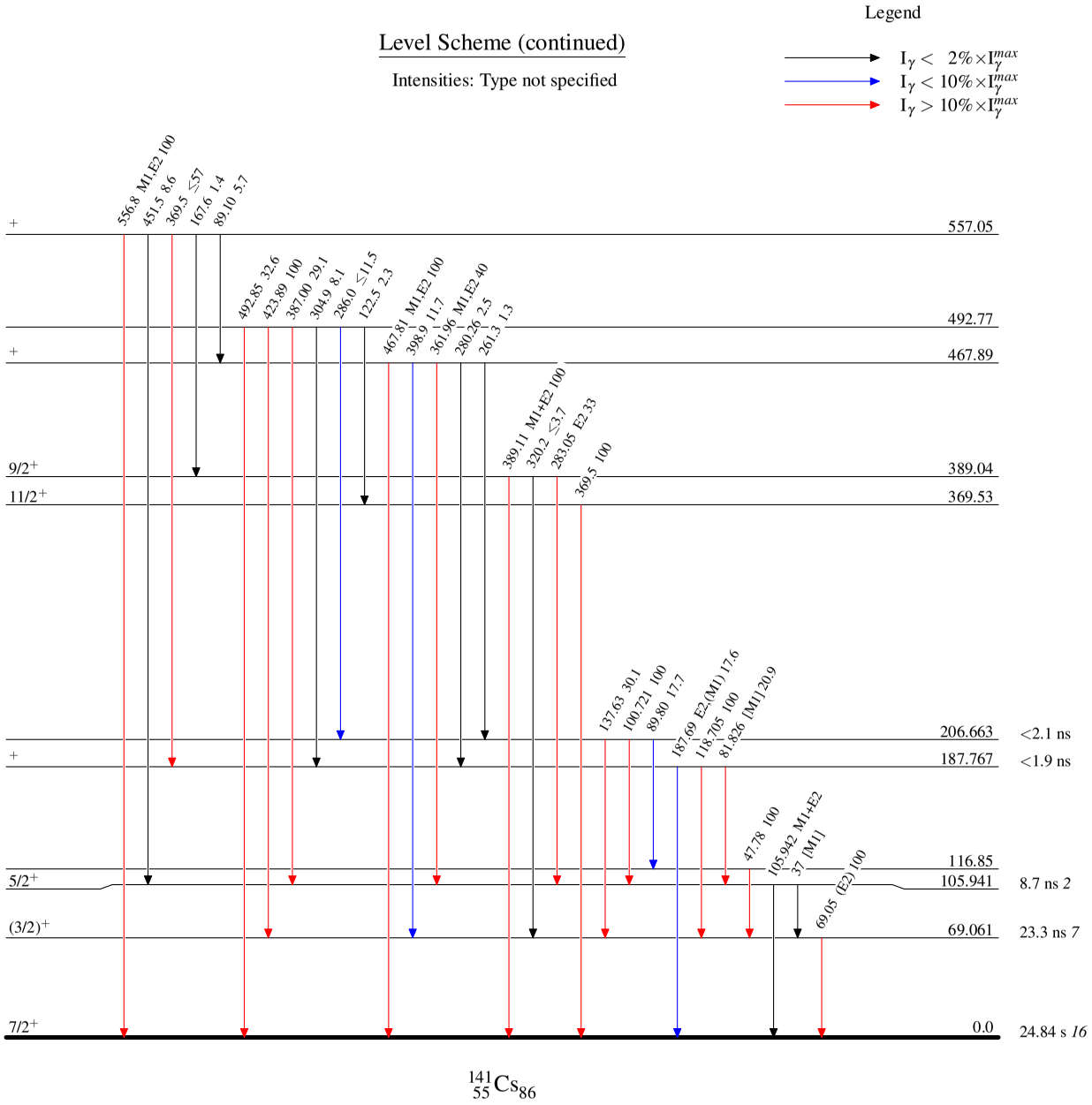
Intensities: Type not specified



Adopted Levels, Gammas

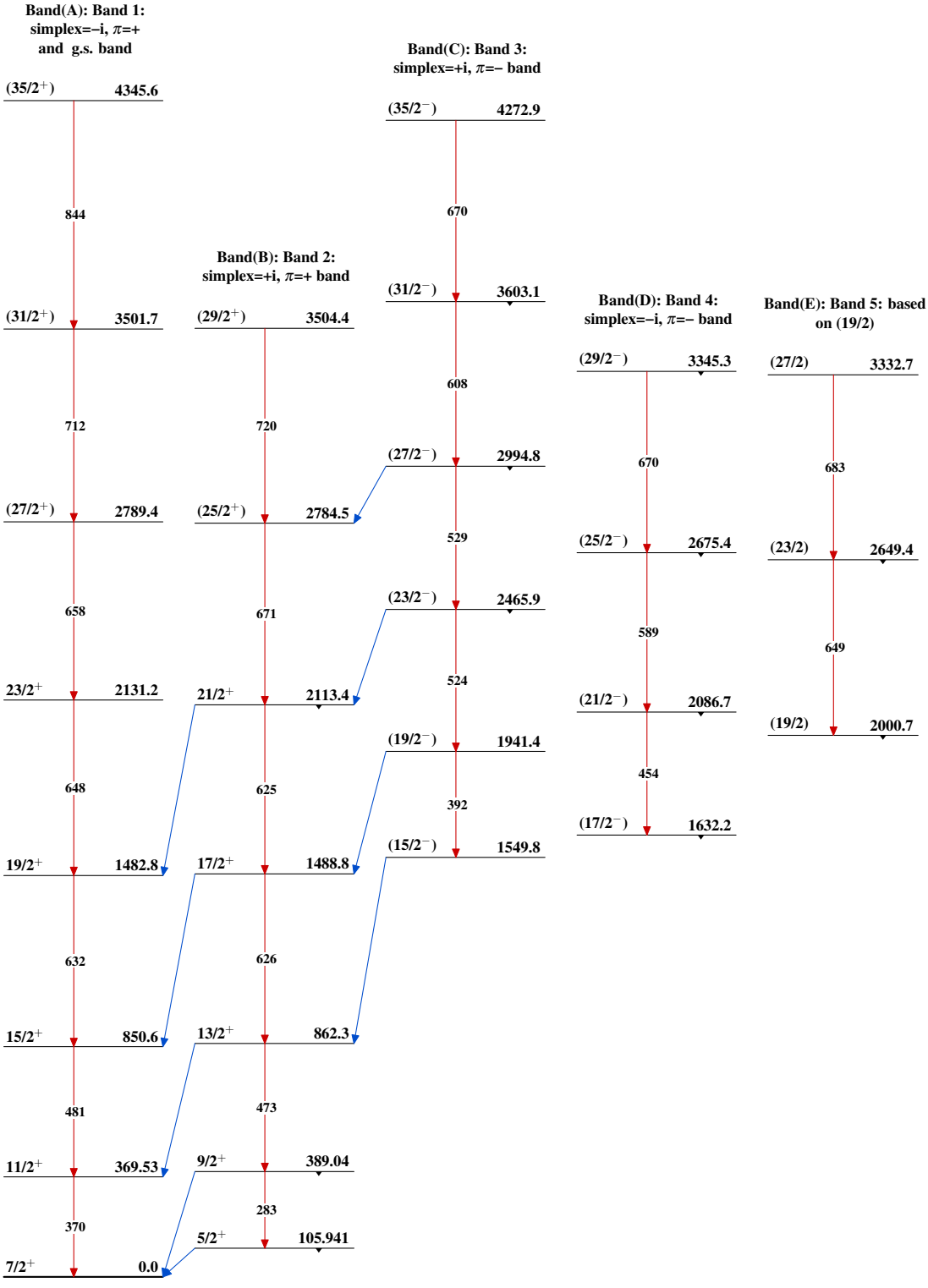
Level Scheme (continued)

Intensities: Type not specified



$^{141}_{55}Cs_{86}$

Adopted Levels, Gammas



$^{141}_{55}Cs_{86}$