^{134}Ba(α,4nγ),^{135}Ba(α,5nγ) 1984Mu08

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	A. A. Sonzogni	NDS 103, 1 (2004)	31-Jul-2004

1984Mu08: ^{134}Ba(α,4nγ) E=60 MeV, ^{135}Ba(α,5nγ) E=70 MeV, ^{136}Ba(α,6nγ) E=85 MeV. Measured $\gamma\gamma$, γ-electron, $\gamma(\theta)$.
1982Ze04: ^{122}Sn(^{16}O,4nγ) E=75,80 MeV. Measured $\gamma\gamma$, g-factors, $T_{1/2}$.
Others: 1968Wa14, 1974De12, 1977Hu10, 1981Si02, 1980Go14, 1984Hi02.

^{134}Ce Levels

The level scheme is that of 1984Mu08. All transitions are assigned from $\gamma\gamma$-coincidence spectra. The spin and parity assignments are based on transition multipolarities, $\gamma(\theta)$ and systematics.
All transitions, except those deexciting the 10^+ isomer, are prompt within the limit of≈3 ns.

E(level)	J^π	$T_{1/2}$ †	Comments
0.0‡	0^+	3.16 d *4*	
409.09‡ *23*	2^+	23 ps *2*	$T_{1/2}$: 25 ps *6* (1974De12).
965.71# *23*	2^+		
1048.5‡ *3*	4^+	3.3 ps *6*	$T_{1/2}$: 4.5 ps *19* (1974De12).
1382.6# *3*	(3^+)		
1643.4# *3*	4^+		
1811.7 *3*	(4)		
1863.0‡ *4*	6^+	2.8 ps *9*	$T_{1/2}$: <0.7 ps (1974De12).
2027.2 *3*	(5^+)		
2050.2# *4*	(5^+)		
2158.4 *4*	(5)		
2174.3[a] *4*	(5^-)		Possible Configuration=$((\nu\ 11/2)^{-1}(\nu\ s_{1/2})^{-1})5^-$ (1984Mu08).
2246.6? *5*			
2303.8# *4*	6^+		
2359.1 *4*	(6^-)		
2361.4 *4*	(6^+)		
2473.9[a] *4*	(6^-)		
2565.8 *4*	(7^-)		
2706.7[a] *4*	(7^-)		Possible Configuration=$((\nu\ h_{11/2})^{-1}(\nu\ d_{3/2})^{-1})7^-$ (1984Mu08).
2768.1 *5*	(7)		
2811.1‡ *4*	8^+	<0.7 ps	
2820.9 *5*	(7)		
2896.5[a] *4*	(8^-)		
2969.4 *4*	(8)		
3017.6# *4*	8^+		
3073.0 *5*	(9)		
3143.4[b] *4*	(9)		
3158.2[a] *4*	(9^-)		
3208.5& *4*	10^+	308 ns *5*	Q=+1.32 *12* (1983Da29,1986Da22); Configuration=$(\nu\ h_{11/2})^{-2}$ $T_{1/2}$: from 1983Da29. Other: 336 ns *14* (1980Go14). g: From 1983Da29 (DPAD). Other: −0.19 *1* (1980Go14). Q: relative to Q(^{138}Ce(10^+), 3538)=0.77 (calc).
3381.3[b] *6*	(10)		
3634.2[ab] *5*	(10^-)		
3655.5[b] *10*	(10)		
3719.3@ *4*	10^+	5.8 ps *10*	Configuration=$(\nu\ h_{11/2})^{-2}$

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^{134}Ba(α,4nγ),^{135}Ba(α,5nγ) 1984Mu08 (continued)

^{134}Ce Levels (continued)

E(level)	Jπ	E(level)	Jπ	T1/2†	E(level)	Jπ	T1/2†
3817.6?‡ 5	(10+)	4173.3b 14	(11)		5492.5 7	(15)	
3851.7b 10	(10)	4183.6@ 7	12+	11.0 ps 13	5496.0? 9		
3945.2b 5	(11)	4346.3b 10			5725.9@ 9	16+	1.5 ps 5
3973.3@b 5	(11)+	4540.2 8	(13)		5865.5? 12		
4006.6& 5	12+	4762.4& 6	14+		6598.1@ 10	(18+)	
4009.3b 10	(11)	4908.2@ 8	14+	1.2 ps 4			

† From RDM (1977Hu10,1982Ze04), except as noted.
‡ g.s. band.
# γ-vibrational band.
@ Positive-parity sideband.
& Band based on 10+ isomer.
a Negative-parity level sequence.
b Level not adopted.

γ(^{134}Ce)

Eγ†	Iγ†	Ei(level)	J_i^π	Ef	J_f^π	Mult.‡	αe	Comments
114.9# 5	1.6 6	2473.9	(6−)	2359.1	(6−)			γ(θ): A2=0.02 12, A4=0.35 18.
121.1# 5	1.3 7	3017.6	8+	2896.5	(8−)			γ(θ): A2=0.02 14, A4=−0.02 21.
141.2# 5	5.3 26	2706.7	(7−)	2565.8	(7−)			γ(θ): A2=0.05 6, A4=0.01 9.
157.8# 5	3.7 13	4009.3	(11)	3851.7	(10)			γ(θ): A2=−0.38 6, A4=−0.03 9.
164#	3.2 11	4173.3	(11)	4009.3	(11)			γ(θ): A2=−0.02 6, A4=−0.01 9.
168.3# 5	8.5 19	1811.7	(4)	1643.4	4+			γ(θ): A2=−0.24 5, A4=0.11 8.
170.1# 5	3.0 15	2473.9	(6−)	2303.8	6+			γ(θ): A2=−0.43 8, A4=−0.08 12.
174.0 3	2.6 9	3143.4	(9)	2969.4	(8)			γ(θ): A2=−0.23 8, A4=0.00 12.
176.4# 5	1.0 4	3073.0	(9)	2896.5	(8−)			γ(θ): A2=−0.05 15, A4=0.39 21.
184.8@ 5	31 15	2359.1	(6−)	2174.3	(5−)			γ(θ): A2=0.20 3, A4=−0.03 5.
189.6 3	5.0 8	2896.5	(8−)	2706.7	(7−)	M1+E2		γ(θ): A2=−0.59 3, A4=−0.03 5.
190.8 3	3.4 9	3208.5	10+	3017.6	8+	E2	0.2167	α(K)=0.1628; α(L)=0.0424; α(M)=0.00918 γ(θ): A2=−0.04 6, A4=−0.06 9.
196.4& 5	7.4 23	3851.7	(10)	3655.5	(10)			γ(θ): A2=−0.01 3, A4=0.04 5.
206.6a 5	5.0 10	3017.6	8+	2811.1	8+			γ(θ): A2=−0.49 6, A4=−0.01 9.
206.7a 5	5.0 10	2565.8	(7−)	2359.1	(6−)			γ(θ): A2=−0.49 6, A4=−0.01 9.
215.3 3	6.3 10	2027.2	(5+)	1811.7	(4)	(D)		γ(θ): A2=0.33 6, A4=−0.09 10; A2<0.0 (1982Ze04).
233.0 3	0.66 15	2706.7	(7−)	2473.9	(6−)	M1+E2		γ(θ): A2=−0.78 25, A4=0.34 40.
238.1 5	4.2 13	3381.3	(10)	3143.4	(9)			γ(θ): A2=−0.02 6, A4=0.06 9.
245	0.57 22	2811.1	8+	2565.8	(7−)	D		γ(θ): A2=−0.62 40, A4=−0.52 50.
246.9 3	0.74 23	3143.4	(9)	2896.5	(8−)			γ(θ): A2=−0.18 20, A4=−0.03 30.
253.7 3	1.6 4	2303.8	6+	2050.2	(5+)	D		γ(θ): A2=−0.12 15, A4=0.01 23.
260.9c 5	4.6 23	1643.4	4+	1382.6	(3+)			γ(θ): A2=−0.58 8, A4=−0.01 12.
261.5c 5	4.6 23	3158.2	(9−)	2896.5	(8−)	M1+E2		γ(θ): A2=−0.58 8, A4=−0.01 12.
261.9c 5	4.6 23	3073.0	(9)	2811.1	8+			γ(θ): A2=−0.58 8, A4=−0.01 12.
262.2c 5	4.6 23	2565.8	(7−)	2303.8	6+			γ(θ): A2=−0.58 8, A4=−0.01 12.
275#	8.4 25	3655.5	(10)	3381.3	(10)			γ(θ): A2=−0.03 5, A4=−0.01 8.
299.7 3	9.0 11	2473.9	(6−)	2174.3	(5−)	M1+E2		γ(θ): A2=−0.45 6, A4=−0.08 9.

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^{134}Ba(α,4nγ),^{135}Ba(α,5nγ) 1984Mu08 (continued)

γ(^{134}Ce) (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ	α[e]	Comments
308.9 *3*	3.0 *9*	2359.1	(6$^-$)	2050.2	(5$^+$)	D			$\gamma(\theta)$: A_2=−0.09 *8*, A_4=0.01 *12*.
310.8[#] *5*	0.99 *40*	3017.6	8$^+$	2706.7	(7$^-$)				$\gamma(\theta)$: A_2=0.07 *25*, A_4=0.12 *40*.
315.5 *3*	0.79 *26*	2473.9	(6$^-$)	2158.4	(5)				$\gamma(\theta)$: A_2=0.32 *30*, A_4=0.33 *50*.
330.8[b] *5*	<2.7	2896.5	(8$^-$)	2565.8	(7$^-$)				$\gamma(\theta)$: A_2=0.33 *6*, A_4=−0.12 *9*.
332.0[b] *5*	≈6	2359.1	(6$^-$)	2027.2	(5$^+$)				$\gamma(\theta)$: A_2=0.33 *6*, A_4=−0.12 *9*.
332.4[b] *5*	<2.7	3143.4	(9)	2811.1	8$^+$				$\gamma(\theta)$: A_2=0.33 *6*, A_4=−0.12 *9*.
334.3 *3*	1.2 *5*	2361.4	(6$^+$)	2027.2	(5$^+$)				$\gamma(\theta)$: A_2=0.19 *18*, A_4=0.17 *27*.
337.1 *3*	2.4 *7*	4346.3		4009.3	(11)				$\gamma(\theta)$: A_2=−0.07 *12*, A_4=0.03 *18*.
346.7[f] *5*	≈0.8[f]	2158.4	(5)	1811.7	(4)				$\gamma(\theta)$: A_2=0.53 *13*, A_4=0.11 *18*; A_2=−0.43 *11* (1982Ze04).
346.7[f] *5*	≈1.5[f]	3158.2	(9$^-$)	2811.1	8$^+$				$\gamma(\theta)$: A_2=0.53 *13*, A_4=0.11 *18*; A_2=−0.43 *12* (1982Ze04).
347.3[d] *5*	≈1.5	2706.7	(7$^-$)	2359.1	(6$^-$)				$\gamma(\theta)$: A_2=−0.43 *12*, A_4=0.0.
375.3[#] *5*	5.0 *20*	3143.4	(9)	2768.1	(7)				$\gamma(\theta)$: A_2=0.48 *5*, A_4=−0.35 *8*.
384.0 *3*	5.6 *10*	2027.2	(5$^+$)	1643.4	4$^+$				$\gamma(\theta)$: A_2=−0.17 *8*, A_4=0.01 *12*.
391.5 *3*	6.1 *11*	2565.8	(7$^-$)	2174.3	(5$^-$)	E2		0.02163	α(K)=0.01776; α(L)=0.00305; α(M)=0.00065 $\gamma(\theta)$: A_2=0.26 *8*, A_4=−0.01 *12*.
397.4 *3*	14.0 *18*	3208.5	10$^+$	2811.1	8$^+$	E2		0.02070	α(K)=0.01701; α(L)=0.00290; α(M)=0.00062 Mult.: from ce data (1984Mu08). $\gamma(\theta)$: A_2=0.02 *3*, A_4=−0.06 *5*.
403[a]	5.0 *10*	2706.7	(7$^-$)	2303.8	6$^+$				$\gamma(\theta)$: A_2=−0.33 *8*, A_4=−0.05 *12*.
403.7[a] *5*	5.0 *10*	2969.4	(8)	2565.8	(7$^-$)				$\gamma(\theta)$: A_2=−0.33 *8*, A_4=−0.05 *12*.
409.1 *3*	100 *7*	409.09	2$^+$	0.0	0$^+$	E2		0.01901	α(K)=0.01566; α(L)=0.00264; α(M)=0.00056 $\gamma(\theta)$: A_2=0.24 *2*, A_4=−0.04 *3*.
416.8 *3*	3.2 *8*	1382.6	(3$^+$)	965.71	2$^+$				$\gamma(\theta)$: A_2=−0.04 *11*, A_4=0.03 *15*.
417[d]	≈2.2	4762.4	14$^+$	4346.3					
422.6 *3*	8.1 *10*	2896.5	(8$^-$)	2473.9	(6$^-$)	E2		0.01730	α(K)=0.01428; α(L)=0.00238; α(M)=0.00050 $\gamma(\theta)$: A_2=0.39 *4*, A_4=−0.05 *6*.
429.2 *3*	2.4 *6*	1811.7	(4)	1382.6	(3$^+$)				$\gamma(\theta)$: A_2=−0.28 *11*, A_4=0.07 *15*.
446.9 *3*	6.4 *12*	2473.9	(6$^-$)	2027.2	(5$^+$)				$\gamma(\theta)$: A_2=0.13 *6*, A_4=−0.02 *9*.
449.7 *3*	1.5 *5*	2811.1	8$^+$	2361.4	(6$^+$)				$\gamma(\theta)$: A_2=−0.83 *20*, A_4=0.47 *30*.
451.6 *3*	8.7 *9*	3158.2	(9$^-$)	2706.7	(7$^-$)	E2		0.01431	α(K)=0.01187; α(L)=0.00193; α(M)=0.00041 $\gamma(\theta)$: A_2=0.42 *6*, A_4=−0.12 *9*.
464.3[a] *5*	17.1 *17*	2768.1	(7)	2303.8	6$^+$				$\gamma(\theta)$: A_2=0.30 *6*, A_4=−0.11 *9*.
464.3[a] *5*	17.1 *17*	4183.6	12$^+$	3719.3	10$^+$	E2		0.01324	α(K)=0.01100; α(L)=0.00177; α(M)=0.00037 $\gamma(\theta)$: A_2=0.30 *6*, A_4=−0.11 *9*.
517.1 *3*	3.1 *9*	2820.9	(7)	2303.8	6$^+$				$\gamma(\theta)$: A_2=−0.15 *10*, A_4=0.08 *15*.
532.3 *3*	10.4 *10*	2706.7	(7$^-$)	2174.3	(5$^-$)	E2		0.00919	α(K)=0.00763; α(L)=0.00117 $\gamma(\theta)$: A_2=0.36 *6*, A_4=−0.09 *9*.
537.3 *3*	5.9 *14*	2896.5	(8$^-$)	2359.1	(6$^-$)	(E2)		0.00897	α(K)=0.00745; α(L)=0.00114 $\gamma(\theta)$: A_2=0.10 *6*, A_4=0.04 *9*.
556.6 *3*	7.3 *15*	965.71	2$^+$	409.09	2$^+$	M1+E2	9 *+16−4*	0.00822 *11*	α(K)=0.00684 *10*; α(L)=0.00104 $\gamma(\theta)$: A_2=0.02 *7*, A_4=−0.12 *12*.
561.0[d] *5*	≈1.1	3719.3	10$^+$	3158.2	(9$^-$)				$\gamma(\theta)$: A_2=0.18 *12*, A_4=0.0.
595.0[a] *5*	2.8 *6*	1643.4	4$^+$	1048.5	4$^+$				$\gamma(\theta)$: A_2=0.20 *7*, A_4=0.0 (1982Ze04).
595.0[a] *5*	2.8 *6*	4540.2	(13)	3945.2	(11)				$\gamma(\theta)$: A_2=0.20 *7*, A_4=0.0 (1982Ze04).

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^{134}Ba(α,4nγ),^{135}Ba(α,5nγ) 1984Mu08 (continued)

γ(^{134}Ce) (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	α[e]	Comments
610.4 *5*	4.0 *16*	2969.4	(8)	2359.1	(6$^-$)			$\gamma(\theta)$: A_2=0.01 *10*, A_4=0.04 *15*.
639.5 *3*	82 *6*	1048.5	4$^+$	409.09	2$^+$	E2	0.00572	α(K)=0.00479; α(L)=0.00070 $\gamma(\theta)$: A_2=0.26 *3*, A_4=−0.06 *9*.
644.5 *3*	1.8 *7*	2027.2	(5$^+$)	1382.6	(3$^+$)			$\gamma(\theta)$: A_2=−0.40 *15*, A_4=0.33 *21*.
660.4 *3*	9.8 *25*	2303.8	6$^+$	1643.4	4$^+$	E2	0.00528	α(K)=0.00443; α(L)=0.00064 $\gamma(\theta)$: A_2=0.34 *5*, A_4=−0.06 *7*.
667.6 *3*	7.3 *18*	2050.2	(5$^+$)	1382.6	(3$^+$)	(E2)	0.00515	α(K)=0.00432; α(L)=0.00062 $\gamma(\theta)$: A_2=0.38 *6*, A_4=−0.09 *8*.
677.7 *3*	11.8 *27*	1643.4	4$^+$	965.71	2$^+$	E2	0.00496	α(K)=0.00416; α(L)=0.00060 $\gamma(\theta)$: A_2=0.29 *5*, A_4=0.07 *7*.
701.7 *3*	0.42 *26*	3719.3	10$^+$	3017.6	8$^+$	E2	0.00456	α(K)=0.00383; α(L)=0.00055 $\gamma(\theta)$: A_2=0.80 *40*, A_4=−0.27 *60*.
713.8 *3*	4.7 *12*	3017.6	8$^+$	2303.8	6$^+$	E2	0.00437	α(K)=0.00368; α(L)=0.00052 $\gamma(\theta)$: A_2=0.31 *10*, A_4=−0.06 *15*.
724.6 *5*	16.0 *16*	4908.2	14$^+$	4183.6	12$^+$	E2	0.00422	α(K)=0.00355; α(L)=0.00050 $\gamma(\theta)$: A_2=0.10 *5*, A_4=−0.17 *7*.
730.0 *3*	3.6 *11*	5492.5	(15)	4762.4	14$^+$			$\gamma(\theta)$: A_2=−0.33 *10*, A_4=−0.10 *15*.
737.7 *3*	5.6 *10*	3634.2	(10$^-$)	2896.5	(8$^-$)	(E2)	0.00404	α(K)=0.00340; α(L)=0.00048 $\gamma(\theta)$: A_2=0.45 *9*, A_4=−0.11 *12*.
755.8 *3*	6.7 *17*	4762.4	14$^+$	4006.6	12$^+$	E2	0.00382	α(K)=0.00322; α(L)=0.00045 $\gamma(\theta)$: A_2=0.44 *7*, A_4=−0.12 *9*.
763.1 *3*	1.2 *3*	1811.7	(4)	1048.5	4$^+$			$\gamma(\theta)$: A_2=0.40 *5*, A_4=−0.22 *7*.
764.8 *3*	4.1 *15*	3973.3	(11)$^+$	3208.5	10$^+$	M1+E2		$\gamma(\theta)$: A_2=−0.66 *7*, A_4=−0.09 *11*.
787.1[#] *5*	2.9 *3*	3945.2	(11)	3158.2	(9$^-$)			$\gamma(\theta)$: A_2=−0.03 *10*, A_4=0.17 *15*.
798.0 *3*	12.7 *30*	4006.6	12$^+$	3208.5	10$^+$	E2	0.00336	α(K)=0.00284; α(L)=0.00039 $\gamma(\theta)$: A_2=0.49 *5*, A_4=−0.16 *7*.
814.4 *3*	43 *4*	1863.0	6$^+$	1048.5	4$^+$	E2	0.00321	α(K)=0.00271; α(L)=0.00038 $\gamma(\theta)$: A_2=0.23 *4*, A_4=−0.07 *6*.
817.7 *3*	5.2 *5*	5725.9	16$^+$	4908.2	14$^+$	E2	0.00318	α(K)=0.00269; α(L)=0.00037 $\gamma(\theta)$: A_2=0.24 *8*, A_4=−0.02 *12*.
846.0 *5*	10.5 *21*	1811.7	(4)	965.71	2$^+$	Q		$\gamma(\theta)$: A_2=0.33 *10*, A_4=0.13 *15*.
872.2[a] *5*	5.8 *12*	3945.2	(11)	3073.0	(9)			$\gamma(\theta)$: A_2=0.26 *10*, A_4=0.17 *15*.
872.2[a] *5*	5.8 *12*	6598.1	(18$^+$)	5725.9	16$^+$	(E2)	0.00275	α(K)=0.00232; α(L)=0.00032 $\gamma(\theta)$: A_2=0.26 *10*, A_4=0.17 *15*.
908.3 *3*	14.3 *13*	3719.3	10$^+$	2811.1	8$^+$	E2	0.00251	α(K)=0.00213; α(L)=0.00029 $\gamma(\theta)$: A_2=0.22 *6*, A_4=−0.05 *9*.
948.0 *3*	30 *3*	2811.1	8$^+$	1863.0	6$^+$	E2	0.00229	α(K)=0.00194; α(L)=0.00026 $\gamma(\theta)$: A_2=0.23 *4*, A_4=−0.07 *6*.
955.8[d] *5*		5496.0?		4540.2	(13)			
965.7 *3*	8.8 *22*	965.71	2$^+$	0.0	0$^+$	E2	0.00220	α(K)=0.00186; α(L)=0.00025 $\gamma(\theta)$: A_2=0.31 *6*, A_4=0.08 *9*.
973.4 *3*	7.9 *11*	1382.6	(3$^+$)	409.09	2$^+$			$\gamma(\theta)$: A_2=0.22 *9*, A_4=−0.06 *12*.
979.0 *3*	2.2 *7*	2027.2	(5$^+$)	1048.5	4$^+$			$\gamma(\theta)$: A_2=0.52 *15*, A_4=−0.19 *22*.
1006.5 *3*	2.9 *9*	3817.6?	(10$^+$)	2811.1	8$^+$	(E2)	0.00201	α(K)=0.00171; α(L)=0.00023 $\gamma(\theta)$: A_2=0.38 *15*, A_4=−0.05 *22*.
1103[d]		5865.5?		4762.4	14$^+$			
1125.6 *3*	25.0 *25*	2174.3	(5$^-$)	1048.5	4$^+$	(E1)	0.00068	α(K)=0.00059 $\gamma(\theta)$: A_2=−0.16 *4*, A_4=−0.05 *6*.
1198.1 *3*	3.5 *11*	2246.6?		1048.5	4$^+$			$\gamma(\theta)$: A_2=−0.15 *15*, A_4=0.07 *20*.
1234.3 *3*	1.6 *5*	1643.4	4$^+$	409.09	2$^+$			$\gamma(\theta)$: A_2=0.70 *22*, A_4=−0.13 *33*.

[†] From ^{135}Ba(α,5nγ) (1984Mu08).
[‡] From α(exp), $\gamma(\theta)$ and RUL.

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^{134}Ba(α,4nγ),^{135}Ba(α,5nγ) 1984Mu08 (continued)

$\gamma(^{134}Ce)$ (continued)

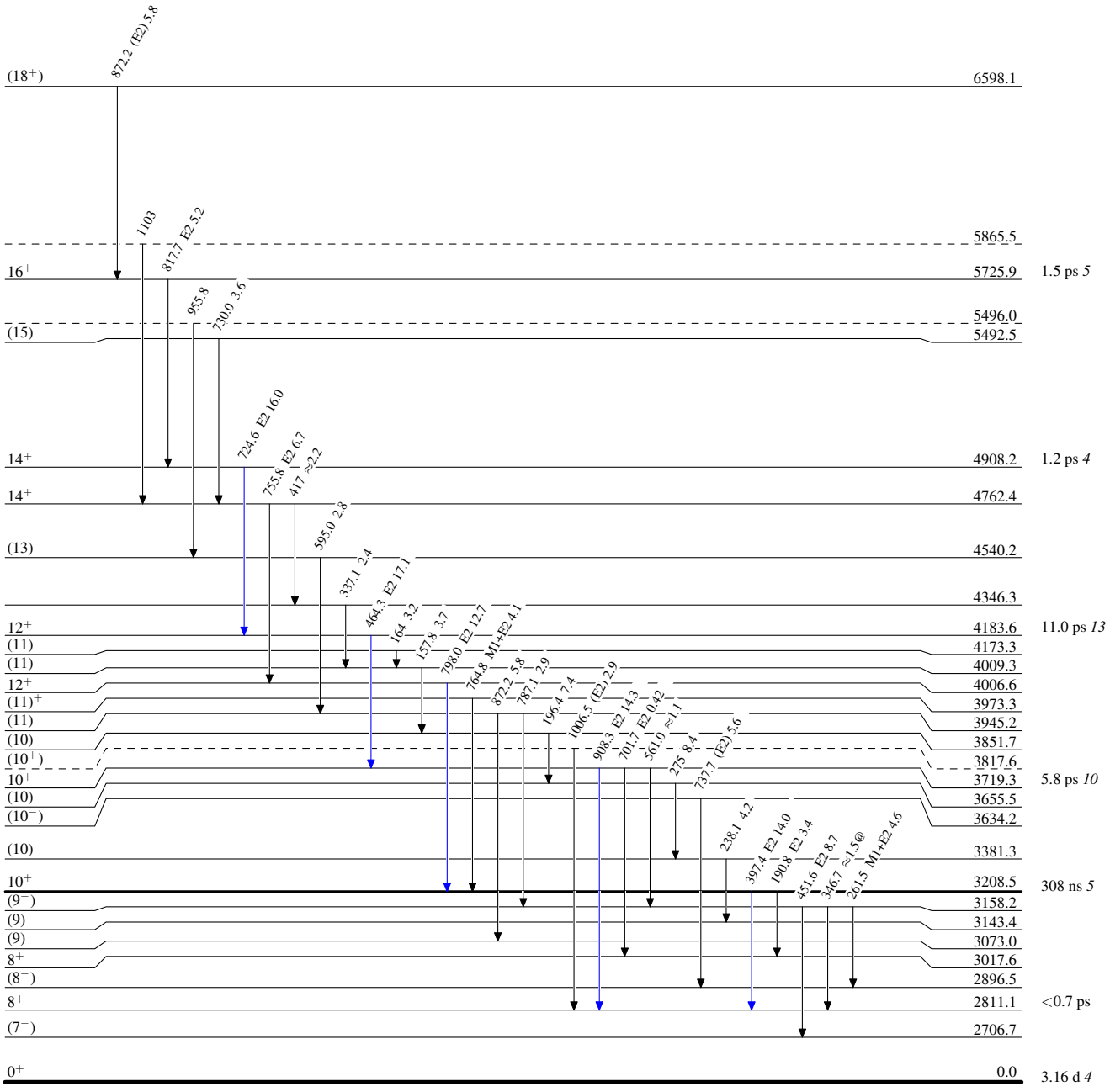
Line contaminated.
@ Line unresolved from the 184.0γ in ^{19}F.
& Line unresolved from the 197.0γ in ^{19}F.
a Unresolved doublet.
b Unresolved triplet.
c Unresolved quadruplet.
d Observed only by 1982Ze04.
e Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.
f Multiply placed with intensity suitably divided.

^{134}Ba(α,4nγ),^{135}Ba(α,5nγ) **1984Mu08**

Level Scheme

Intensities: Type not specified
@ Multiply placed: intensity suitably divided

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



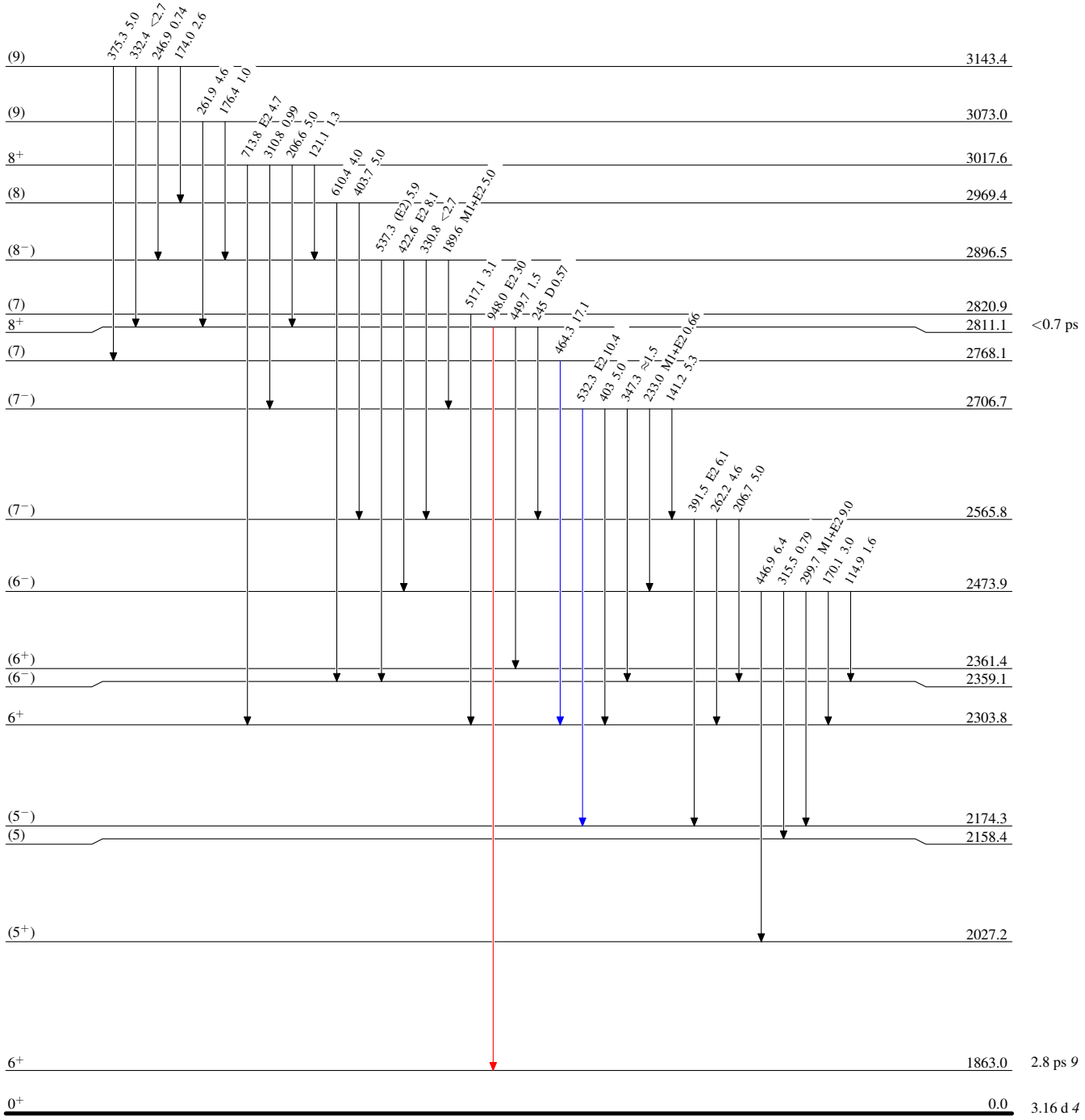
$^{134}_{58}Ce_{76}$

^{134}Ba(α,4nγ),^{135}Ba(α,5nγ) 1984Mu08

Level Scheme (continued)

Intensities: Type not specified
@ Multiply placed: intensity suitably divided

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



$^{134}_{58}Ce_{76}$

^{134}Ba(α,4nγ),^{135}Ba(α,5nγ) 1984Mu08

Level Scheme (continued)

Intensities: Type not specified
@ Multiply placed: intensity suitably divided

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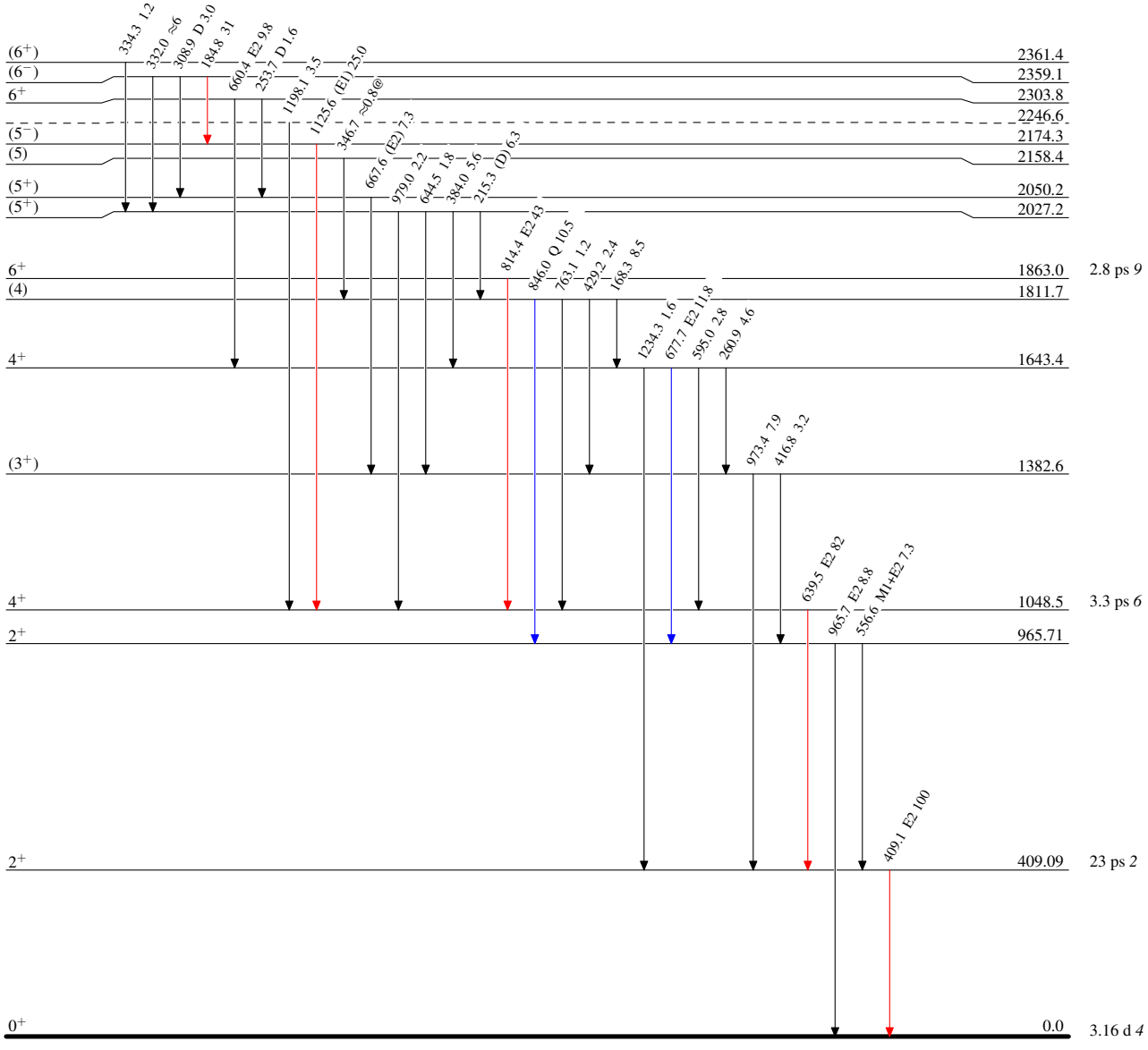

$^{134}_{58}Ce_{76}$