Adopted Levels, Gammas

		T	History								
		Type		Author	Citation	Literature Cutoff Date					
		Full Evaluation	S. K.	Basu, A. A. Sonzogni	NDS 114, 435 (2013)	1-Apr-2013					
$Q(\beta^-)=3454$ 14 S(2n)=10591 16 Additional infor α : Additional in	; S(n)=6 5; S(2p)= mation	248 <i>16</i> ; S(p)=1 =2.183×10 ⁴ <i>20</i> 1. on 2.	.192×10 ⁴ 2017	⁴ 20; $Q(\alpha) = -2325 \ 24$ Wal0	2017Wa10						
				¹⁵⁰ Ce	Levels						
				Cross Reference	e (XREF) Flags						
				252 of SE	J						
				$\frac{A}{B} = \frac{150}{La} \frac{B}{B}$	decay						
					accuy						
E(level) ^b	$J^{\pi \dagger}$	T _{1/2}	XREF		Comme	nts					
0.0^{\ddagger}	0^{+}	4.0 s 6	AB	$\%\beta^{-}=100$							
				$T_{1/2}$: from 1974Ar20.	Others: 4.1 s 6 (1977A	atZS); 3.4 s (1974SeZZ); 4.8 s 6					
97.00 10	2+	33 ns 8	۸D	$(1977P101); 3.4 \$	(1980KeZQ).						
97.001 10	2	5.5 118 0	AD	$T_{1/2}$: from the evaluat	tion of 2001Ra27.						
305.70 [‡] 22	4+	0.26 ns 10	AB	$\mu = 3.2 \ 16$							
4				T _{1/2} , <i>μ</i> : from 1999Sm	05.						
606.4 [‡] 10	6+		Α								
982.6 [‡] 12	8+		Α								
1385.6# 12	7-		Α								
1422.6 [‡] <i>13</i>	10^{+}		Α								
1497.2 14			A								
1010.0 14 1702 0 @ 12	(6^{-})		A .								
1703.9 = 13	(0)		A								
1/32./" 13	9		A A								
1784.4 13			A								
1792.3 & 12	(7)		Α								
$19185^{\ddagger}14$	12+		Δ								
$1976.3^{@}13$	(8^{-})		Δ								
2025.9^{a} 13	(8)		A								
2057.7 ^{&} 13	(9)		A								
2153.6 [#] 13	11-		Α								
2279.3 [@] 16	(10^{-})		Α								
2335.8 14	(A								
2368.5 ^a 13	(10)		Α								
2386.1 ^{&} 14	(11)		Α								
2465.0 [‡] 16	14^{+}		Α								
2639.1 [#] 15	(13 ⁻)		Α								
2651.2 [@] 19	(12 ⁻)		Α								
2724.8 15	(11)		Α								
2769.0 ^a 14	(12)		Α								
2783.4° 17	(13)		Α								
3058.2* 19	16-		A								

¹⁵⁰Ce Levels (continued)

E(level) ^b	J^{π}	XREF
3092.5 [@] 22	(14^{-})	A
3167.4 15	(13)	Α
3177.7 [#] 16	(15 ⁻)	Α
3694.2 [‡] 21	18^{+}	Α
3744.3 [#] 19	(17 ⁻)	Α
4367.3 [‡] 24	20^{+}	Α

[†] From band structure. [‡] Band(A): g.s. band.

Band(C): give candid
Band(B): Band based on 7⁻.
^(e) Band(C): Band based on (6⁻).

[&] Band(D): Band based on (7).
^a Band(E): Band based on (8).
^b From least-squares fit to the gamma energy data, assuming 1 keV uncertainty when unknown.

E _i (level)	\mathbf{J}_i^{π}	E_{γ}^{\dagger}	I_{γ}	\mathbf{E}_{f}	\mathbf{J}_{f}^{π}	Mult.	α	Comments
97.00	2+	97.0 1	100	0.0	0^{+}	E2	2.29	α (K)=1.328 <i>19</i> ; α (L)=0.751 <i>11</i> ; α (M)=0.1678 <i>25</i> ; α (N)=0.0359 <i>6</i> ; α (O)=0.00506 <i>8</i> α (P)=7.01×10 ⁻⁵ <i>10</i> ; α (N+)=0.0411 <i>6</i>
305.70	4+	208.7 2	100	97.00	2+	E2	0.1593	B(E2)(W.u.)= $1.3 \times 10^2 4$ E _y : from ¹⁵⁰ La β^- decay. α (K)= $0.1218 18$; α (L)= $0.0295 5$; α (M)= 0.00642 10 ; α (N)= $0.001392 21$; α (O)= $0.000206 3$ α (P)= $7.54 \times 10^{-6} 11$; α (N+)= $0.001607 23$
	< ⁺	200 7	100	205 70	4+	52	0.0404	B(E2)(W.u.)= $1.0 \times 10^2 4$ E _{γ} : from ¹⁵⁰ La β^- decay.
606.4	6'	300.7	100	305.70	4'	E2	0.0484	$\alpha(\mathbf{K})=0.0388 \ 6; \ \alpha(\mathbf{L})=0.00/50 \ 11; \ \alpha(\mathbf{M})=0.001612$ 23; $\alpha(\mathbf{N})=0.000352 \ 5; \ \alpha(\mathbf{O})=5.35\times10^{-5} \ 8$ $\alpha(\mathbf{P})=2.57\times10^{-6} \ 4; \ \alpha(\mathbf{N}+1)=0.000408 \ 6$
982.6	8+	376.2	100	606.4	6+	E2	0.0243	$\alpha(K) = 0.0199 \ 3; \ \alpha(L) = 0.00346 \ 5; \ \alpha(M) = 0.000740 \ 11; \ \alpha(N) = 0.0001618 \ 23; \ \alpha(O) = 2.50 \times 10^{-5} \ 4$
1385.6	7-	403.0	29.8 17	982.6	8+	E1	0.00596 9	$\alpha(P)=1.358\times10^{-6} \ 19; \ \alpha(N+)=0.000188 \ 3 \\ \alpha(K)=0.00513 \ 8; \ \alpha(L)=0.000662 \ 10; \\ \alpha(M)=0.0001375 \ 20; \ \alpha(N)=3.04\times10^{-5} \ 5; \\ \alpha(O)=4.88\times10^{-6} \ 7 $
		779.2	100-3	606.4	6+	E1	0.001376 20	$\alpha(P)=3.54\times10^{-7} 5; \alpha(N+)=3.56\times10^{-5} 5$ $\alpha=0.001376.20; \alpha(K)=0.001188.77;$
			100 0		Ū	21	0.001270 20	$\alpha(L)=0.0001493\ 21;\ \alpha(M)=3.10\times10^{-5}\ 5$ $\alpha(O)=1.109\times10^{-6}\ 16;\ \alpha(P)=8.40\times10^{-8}\ 12;$ $\alpha(M)=0.0001493\ 21;\ \alpha(M)=3.10\times10^{-8}\ 12;$
1422.6	10+	440.0	100	982.6	8+	E2	0.01540	$\alpha(N+)=8.05\times10^{-5}$ $\alpha(K)=0.01275 \ 18; \ \alpha(L)=0.00209 \ 3;$ $\alpha(M)=0.000444 \ 7; \ \alpha(N)=9.73\times10^{-5} \ 14;$ $\alpha(O)=1.515\times10^{-5} \ 22$
								α (P)=8.85×10 ⁻⁷ 13; α (N+)=0.0001134 16
1497.2		890.8	100	606.4	6+			
1618.8		1012.4	100	606.4	6+			

$\gamma(^{150}\text{Ce})$

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$\gamma(^{150}\text{Ce})$ (continued)

$E_i(level)$	\mathbf{J}_i^{π}	E_{γ}^{\dagger}	I_{γ}	E_f	\mathbf{J}_{f}^{π}	Mult.	α	Comments
1703.9	(6 ⁻)	1097.5	100	606.4	6+	(E1)	0.000711 10	$ \begin{array}{l} \alpha = 0.000711 \ 10; \ \alpha(\text{K}) = 0.000614 \ 9; \\ \alpha(\text{L}) = 7.63 \times 10^{-5} \ 11; \ \alpha(\text{M}) = 1.580 \times 10^{-5} \ 23 \\ \alpha(\text{O}) = 5.68 \times 10^{-7} \ 8; \ \alpha(\text{P}) = 4.37 \times 10^{-8} \ 7; \\ \alpha(\text{N}_{+}) = 4.11 \times 10^{-6} \ 6 \end{array} $
1732.7	9-	310.1	19.4 <i>11</i>	1422.6	10+	E1	0.01144	$\alpha(K+)=4.11\times10^{-6} 0$ $\alpha(K)=0.00983 \ 14; \ \alpha(L)=0.001281 \ 18;$ $\alpha(M)=0.000266 \ 4; \ \alpha(N)=5.87\times10^{-5} \ 9;$ $\alpha(O)=9.39\times10^{-6} \ 14$ $\alpha(P)=6.68\times10^{-7} \ 10; \ \alpha(N+)=6.88\times10^{-5} \ 10$
		347.1	30.1 <i>23</i>	1385.6	7-	E2	0.0310	$\begin{array}{l} \alpha(\mathbf{r}) = 0.0016 \text{if} \ \alpha(\mathbf{r}) = 0.0016 \text{if} \ \alpha(\mathbf{r}) = 0.0052 \ 4; \ \alpha(\mathbf{L}) = 0.00454 \ 7; \\ \alpha(\mathbf{M}) = 0.000972 \ 14; \ \alpha(\mathbf{N}) = 0.000213 \ 3; \\ \alpha(\mathbf{O}) = 3.26 \times 10^{-5} \ 5 \\ \alpha(\mathbf{P}) = 1.701 \times 10^{-6} \ 24; \ \alpha(\mathbf{N}+) = 0.000247 \ 4 \end{array}$
		750.1	100 3	982.6	8+	E1	0.001487 <i>21</i>	$\alpha(1) = 1.701 \times 10^{-1} 2.7, \alpha(171) = 0.001281 I I I = 0.001487 2I; \alpha(K) = 0.001283 I I S; \alpha(L) = 0.0001615 23; \alpha(M) = 3.35 \times 10^{-5} 5 = 0.001615 23; \alpha(M) = 3.35 \times 10^{-5} 5 = 0.001615 23; \alpha(M) = 3.35 \times 10^{-5} 1 = 0.001615 23; \alpha(M) = 3.001615 23; \alpha(M) = 3.00$
1760.1		1153.7	100	606.4	6^{+}			
1784.4		801.8	34 4	982.6	8+			
		1178.0	100 6	606.4	6+			
1792.3	(7)	406.7	90 7	1385.6	7-			
		1185.9	100 5	606.4	6+			
1918.5	12^{+}	495.9	100	1422.6	10^{+}	E2	0.01103	α (K)=0.00920 <i>13</i> ; α (L)=0.001446 <i>21</i> ;
								$\alpha(M)=0.000306 5; \ \alpha(N)=6.73\times10^{-5} 10$ $\alpha(O)=1.054\times10^{-5} 15; \ \alpha(P)=6.46\times10^{-7} 9;$ $\alpha(N+)=7.85\times10^{-5} 11$
1976.3	(8-)	272.4	30.3 13	1703.9	(6 ⁻)	E2	0.0663	$\alpha(\mathbf{K}) = 0.0526 \ 8; \ \alpha(\mathbf{L}) = 0.01072 \ 15; \\ \alpha(\mathbf{M}) = 0.00231 \ 4; \ \alpha(\mathbf{N}) = 0.000504 \ 7; \\ \alpha(\mathbf{O}) = 7.61 \times 10^{-5} \ 11 \\ \alpha(\mathbf{P}) = 3.42 \times 10^{-6} \ 5; \ \alpha(\mathbf{N} + \mathbf{v}) = 0.000583 \ 0 \ 10^{-6} \ 5; \ \alpha(\mathbf{N} + \mathbf{v}) = 0.000583 \ 0 \ 10^{-6} \ 5; \ \alpha(\mathbf{N} + \mathbf{v}) = 0.000583 \ 0 \ 10^{-6} \ 5; \ \alpha(\mathbf{N} + \mathbf{v}) = 0.000583 \ 0 \ 10^{-6} \ 5; \ \alpha(\mathbf{N} + \mathbf{v}) = 0.000583 \ 0 \ 10^{-6} \ 5; \ \alpha(\mathbf{N} + \mathbf{v}) = 0.000583 \ 0 \ 10^{-6} \ 5; \ \alpha(\mathbf{N} + \mathbf{v}) = 0.000583 \ 0 \ 10^{-6} \ 5; \ \alpha(\mathbf{N} + \mathbf{v}) = 0.000583 \ 0 \ 10^{-6} $
		590.7	32 3	1385.6	7-	(M1+E2)	0.0086 17	$\alpha(\mathbf{K}) = 0.0073 \ I5; \ \alpha(\mathbf{L}) = 0.00101 \ I4; \\ \alpha(\mathbf{M}) = 0.00021 \ 3; \ \alpha(\mathbf{N}) = 4.7 \times 10^{-5} \ 7; \\ \alpha(\mathbf{O}) = 7.5 \times 10^{-6} \ I2 \\ \alpha(\mathbf{P}) = 5 \ 4 \times 10^{-7} \ I3; \ \alpha(\mathbf{N} + \cdot) = 5 \ 5 \times 10^{-5} \ 8$
		993.7	100 4	982.6	8+	(E1)	0.000855 12	$\begin{array}{l} \alpha(1) 51.8110 & 10.8110 & 10.8110 & 10.8110 & 0 \\ \alpha=0.000855 \ 12; \ \alpha(K)=0.000739 \ 11; \\ \alpha(L)=9.21\times10^{-5} \ 13; \ \alpha(M)=1.91\times10^{-5} \ 3; \\ \alpha(N)=4.23\times10^{-6} \ 6 \\ \alpha(O)=6.85\times10^{-7} \ 10; \ \alpha(P)=5.25\times10^{-8} \ 8; \end{array}$
2025.0	(0)	(10.2	22.4	1205 6	7-			α (N+)=4.96×10 ⁻⁶ 7
2025.9	(8)	640.3	22.4	1385.6	/ 0+			
2057.7	(9)	265.4	34.4 19	1792.3	8 (7)	(E2)	0.0721	α (K)=0.0571 8; α (L)=0.01180 17; α (M)=0.00255 4; α (N)=0.000555 8; α (O)=8.36×10 ⁻⁵ 12
		225.0	100 0 10	1522 5	0-			$\alpha(P)=3.69\times10^{-6}$ 6; $\alpha(N+)=0.000642$ 9
		525.0	100.0 13	1/32./	9 0+			
21526	11-	10/5.1	14 3	982.0	8 12+	E1	0.0225	$\alpha(K) = 0.0202.2$; $\alpha(L) = 0.00266.4$;
2133.0	11	233.1	4.9 9	1918.5	12	EI	0.0235	$\alpha(\mathbf{K}) = 0.0202 \ 3; \ \alpha(\mathbf{L}) = 0.00206 \ 4; \ \alpha(\mathbf{M}) = 0.000554 \ 8; \ \alpha(\mathbf{N}) = 0.0001219 \ 17; \ \alpha(\mathbf{O}) = 1.94 \times 10^{-5} \ 3$
								α (P)=1.342×10 ⁻⁶ <i>19</i> ; α (N+)=0.0001426 <i>20</i>
		420.9	46 4	1732.7	9-	E2	0.01748	$\begin{array}{l} \alpha(\mathrm{K}) = 0.01444 \ 21; \ \alpha(\mathrm{L}) = 0.00240 \ 4; \\ \alpha(\mathrm{M}) = 0.000511 \ 8; \ \alpha(\mathrm{N}) = 0.0001121 \ 16 \\ \alpha(\mathrm{O}) = 1.740 \times 10^{-5} \ 25; \ \alpha(\mathrm{P}) = 9.97 \times 10^{-7} \ 14; \\ \alpha(\mathrm{N}+) = 0.0001305 \ 19 \end{array}$

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$\gamma(^{150}\text{Ce})$ (continued)

E _i (level)	\mathbf{J}_i^{π}	E_{γ}^{\dagger}	Iγ	E_f	\mathbf{J}_f^{π}	Mult.	α	Comments
2153.6	11-	731.0	100 4	1422.6	10+	E1	0.001568 22	$\alpha = 0.001568 \ 22; \ \alpha(K) = 0.001353 \ 19; \\ \alpha(L) = 0.0001705 \ 24; \ \alpha(M) = 3.53 \times 10^{-5} \ 5 \\ \alpha(O) = 1.266 \times 10^{-6} \ 18; \ \alpha(P) = 9.56 \times 10^{-8} \ 14; \\ \alpha(O) = 1.266 \times 10^{-6} \ $
2279.3	(10 ⁻)	303.0	100	1976.3	(8-)	E2	0.0472	$\alpha(N+)=9.19\times10^{-6}$ $\alpha(K)=0.0379 \ 6; \ \alpha(L)=0.00730 \ 11; \ \alpha(M)=0.001569$ $22; \ \alpha(N)=0.000342 \ 5; \ \alpha(O)=5.20\times10^{-5} \ 8$ $\alpha(P)=2.51\times10^{-6} \ 4; \ \alpha(N+)=0.000397 \ 6$
2335.8		913.2	33 6	1422.6	10^{+}			
2260 5	(10)	1353.2	100 10	982.6	8	(E2)	0.0222	$\alpha(K) = 0.0262.4$, $\alpha(L) = 0.00475.7$, $\alpha(M) = 0.001017$
2308.3	(10)	542.0	09.0	2023.9	(0)	(E2)	0.0322	$a(\mathbf{K})=0.02624; \ \alpha(\mathbf{L})=0.004757; \ \alpha(\mathbf{M})=0.001017$ $15; \ \alpha(\mathbf{N})=0.0002224; \ \alpha(\mathbf{O})=3.41\times10^{-5}5$ $\alpha(\mathbf{P})=1.765\times10^{-6}25; \ \alpha(\mathbf{N}+)=0.0002584$
		635.8	30 4	1732.7	9-			
2206.1	(1.1)	945.9	100 8	1422.6	10^{+}			
2386.1	(11)	232.5 328.4	100 6 99 9	2153.6 2057.7	11 (9)	(E2)	0.0367	α (K)=0.0297 5; α (L)=0.00550 8; α (M)=0.001179 17; α (N)=0.000257 4; α (O)=3.94×10 ⁻⁵ 6
								α (P)=1.99×10 ⁻⁶ 3; α (N+)=0.000299 5
2465.0	1.4+	963.5	24 3	1422.6	10^{+}	EO	0.00940.12	(K) = 0.00712 + 0.001096 + 6.001096 + 6.001096 + 6.0001096 + 6.0001096 + 6.0000000000000000000000000000000000
2403.0	14	340.3	100	1918.3	12	E2	0.00849 12	$\begin{array}{c} \alpha(\mathrm{N}) = 0.00712 \ 70; \ \alpha(\mathrm{L}) = 0.001080 \ 70; \\ \alpha(\mathrm{M}) = 0.000230 \ 4; \ \alpha(\mathrm{N}) = 5.05 \times 10^{-5} \ 7; \\ \alpha(\mathrm{O}) = 7.95 \times 10^{-6} \ 12 \end{array}$
2639.1	(13 ⁻)	485.5	100 6	2153.6	11-	(E2)	0.01169	$\alpha(P)=5.04\times10^{-7} 7; \ \alpha(N+)=5.90\times10^{-5} 9$ $\alpha(K)=0.00974 \ 14; \ \alpha(L)=0.001541 \ 22;$ $\alpha(M)=0.000327 \ 5; \ \alpha(N)=7.18\times10^{-5} \ 10$
								$\alpha(M)=0.0005275; \alpha(N)=7.18\times10^{-7}10;$ $\alpha(O)=1.123\times10^{-5}16; \alpha(P)=6.82\times10^{-7}10;$ $\alpha(N+)=8.37\times10^{-5}12$
		720.6	54 <i>4</i>	1918.5	12+	(E1)	0.001615 23	$\begin{array}{l} \alpha = 0.001615 \ 23; \ \alpha(\mathrm{K}) = 0.001393 \ 20; \\ \alpha(\mathrm{L}) = 0.0001757 \ 25; \ \alpha(\mathrm{M}) = 3.64 \times 10^{-5} \ 6 \\ \alpha(\mathrm{O}) = 1.304 \times 10^{-6} \ 19; \ \alpha(\mathrm{P}) = 9.84 \times 10^{-8} \ 14; \end{array}$
2651.2	(12-)	371.9	100	2279.3	(10 ⁻)	E2	0.0252	$\alpha(N+)=9.47\times10^{-6}$ $\alpha(K)=0.0206 \ 3; \ \alpha(L)=0.00360 \ 5; \ \alpha(M)=0.000769$ $11; \ \alpha(N)=0.0001682 \ 24; \ \alpha(O)=2.59\times10^{-5} \ 4$
2724 8	(11)	1302.2	100	1422.6	10+			α (P)=1.402×10 ⁻⁶ 20; α (N+)=0.000196 3
2769.0	(11) (12)	400.5	100 23	2368.5	(10)	(E2)	0.0202	α (K)=0.01663 24; α (L)=0.00282 4; α (M)=0.000601 9; α (N)=0.0001316 19; α (O)=2.04×10 ⁻⁵ 3 α (P)=1 142×10 ⁻⁶ 16; α (N+=)=0.0001531 22
		615.4	52 6	2153.6	11-			$a(1) = 1.142 \times 10$ 10, $a(1(1) = 0.000133122$
		850.5	81 6	1918.5	12^{+}			
2783.4	(13)	397.3	100	2386.1	(11)	(E2)	0.0207	$\alpha(K)=0.01701\ 24;\ \alpha(L)=0.00289\ 4;\ \alpha(M)=0.000617$ 9; $\alpha(N)=0.0001351\ 19;\ \alpha(O)=2.09\times10^{-5}\ 3$
3058.2	16+	593.2	100	2465.0	14+	E2	0.00686 10	$\alpha(P)=1.168\times10^{-6} 17; \alpha(N+)=0.0001572 22$ $\alpha(K)=0.00577 8; \alpha(L)=0.000861 12;$ $\alpha(M)=0.000182 3; \alpha(N)=4.00\times10^{-5} 6;$ $\alpha(O)=6.32\times10^{-6} 9$
3092.5	(14-)	441.3	100	2651.2	(12 ⁻)	E2	0.01527	$\alpha(P)=4.11\times10^{-7} 6; \alpha(N+)=4.67\times10^{-5} 7$ $\alpha(K)=0.01265 18; \alpha(L)=0.00207 3; \alpha(M)=0.000440$ $7; \alpha(N)=9.64\times10^{-5} 14; \alpha(O)=1.501\times10^{-5} 21$
3167.4	(13)	442.6	28 4	2724.8	(11)	(E2)	0.01514	$\begin{aligned} &\alpha(P) = 8.78 \times 10^{-7} \ 13; \ \alpha(N+) = 0.0001123 \ 16 \\ &\alpha(K) = 0.01255 \ 18; \ \alpha(L) = 0.00205 \ 3; \ \alpha(M) = 0.000435 \\ &6; \ \alpha(N) = 9.55 \times 10^{-5} \ 14; \ \alpha(O) = 1.488 \times 10^{-5} \ 21 \\ &\alpha(P) = 8.71 \times 10^{-7} \ 13; \ \alpha(N+) = 0.0001113 \ 16 \end{aligned}$

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$\gamma(^{150}\text{Ce})$ (continued)

E _i (level)	\mathbf{J}_i^π	E_{γ}^{\dagger}	I_{γ}	\mathbf{E}_{f}	J_f^π	Mult.	α	Comments
3167.4 3177.7	(13) (15 ⁻)	1248.9 538.6	100 <i>11</i> 100 <i>12</i>	1918.5 2639.1	12 ⁺ (13 ⁻)	(E2)	0.00883 13	$\alpha(\mathbf{K})=0.00739 \ 11; \ \alpha(\mathbf{L})=0.001133 \ 16;$ $\alpha(\mathbf{M})=0.000240 \ 4; \ \alpha(\mathbf{N})=5.27\times10^{-5} \ 8;$ $\alpha(\mathbf{M})=0.000240 \ 4; \ \alpha(\mathbf{N})=5.27\times10^{-5} \ 8;$
		712.7	45 <i>3</i>	2465.0	14+	(E1)	0.001652 24	$\alpha(0)=8.29\times10^{-7} 12$ $\alpha(P)=5.23\times10^{-7} 8; \ \alpha(N+)=6.15\times10^{-5} 9$ $\alpha=0.001652 \ 24; \ \alpha(K)=0.001425 \ 20; \ \alpha(L)=0.000180$ $3; \ \alpha(M)=3.73\times10^{-5} 6$ $\alpha(Q)=1.335\times10^{-6} \ 19; \ \alpha(P)=1.007\times10^{-7} \ 14;$
3694.2	18+	636.0	100	3058.2	16+	E2	0.00575 8	$\begin{array}{l} \alpha(0) & 1.050(10^{-1}1), \alpha(1) & 1.050(10^{-1}1), \\ \alpha(N)=9.69\times10^{-6} \ 14 \\ \alpha(K)=0.00485 \ 7; \ \alpha(L)=0.000711 \ 10; \\ \alpha(M)=0.0001497 \ 21; \ \alpha(N)=3.30\times10^{-5} \ 5; \\ \alpha(O)=5.23\times10^{-6} \ 8 \end{array}$
3744.3	(17 ⁻)	566.6	100	3177.7	(15 ⁻)	(E2)	0.00773 11	α (P)=3.46×10 ⁻⁷ 5; α (N+)=3.86×10 ⁻⁵ 6 α (K)=0.00649 9; α (L)=0.000980 14; α (M)=0.000207 3; α (N)=4.55×10 ⁻⁵ 7; α (O)=7.18×10 ⁻⁶ 10
4367.3	20 ⁺	673.1	100	3694.2	18+	E2	0.00500 7	$\alpha(P)=4.60\times10^{-7} 7; \ \alpha(N+)=5.32\times10^{-5} 8$ $\alpha(K)=0.00422 6; \ \alpha(L)=0.000610 9;$ $\alpha(M)=0.0001284 18; \ \alpha(N)=2.83\times10^{-5} 4;$ $\alpha(O)=4.50\times10^{-6} 7$ $\alpha(P)=3.03\times10^{-7} 5; \ \alpha(N+)=3.31\times10^{-5} 5$

 † From ^{252}Cf SF decay, except otherwise noted.

Adopted Levels, Gammas

Legend

Level Scheme $\begin{array}{l} \bullet \quad I_{\gamma} < \ 2\% \times I_{\gamma}^{max} \\ \bullet \quad I_{\gamma} < 10\% \times I_{\gamma}^{max} \\ \bullet \quad I_{\gamma} > 10\% \times I_{\gamma}^{max} \end{array}$ Intensities: Type not specified + 673,1 E2 100 20^{+} 4367.3 + Jog. (2) 100 1 03 1 03 200 1 00 3744.3 3694.2 (17^{-}) 18^{+} 12489 100 11 001 ZY S (15⁻) 3177.7 (13) 3167.4 12 3092.5 3058.2 (14^{-}) + 39,38,100 16^{+} - 40.5 E.3 100 -1 ⁶30, 87 100 E 5 100 00 (2) 100 (E1) 54 (13) 2783.4 (12) 2769.0 (11) * 2724.8 485 S - 0- $\left[\begin{array}{c} \frac{3}{2} \frac{3}{2} \frac{1}{2} \frac{1}$ 2651.2 2639.1 (12-) 8 1 546.5 E21, 1 (13⁻) + ⁹63, 24 | *\$* 30 $\frac{14^{+}}{(11)}$ 8 2465.0 0 2386.1 in a (10) ۰. 2368.5 2 2335.8 (10^{-}) 2279.3 2153.6 11-(9) 2057.7 (8) 2025.9 ¥ (8^{-}) 1976.3 12^{+} 1918.5 1732.7 9-1422.6 10^{+} 8+ 982.6 0^+ 0.0 4.0 s 6





¹⁵⁰₅₈Ce₉₂

Adopted Levels, Gammas



¹⁵⁰₅₈Ce₉₂