

Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 154, 1 (2018)	20-Nov-2018

Q(β^-)=9380 12; S(n)=3207 13; S(p)=10690 13; Q(α)=-1524 13 [2017Wa10](#)

Q(β^- -n)=3967 12 ([2017Wa10](#)).

Level scheme is from [2017Mo19](#).

¹⁴⁰I Levels

Cross Reference (XREF) Flags

A ¹⁴⁰Te β^- decay

E(level) [†]	J ^{π}	T _{1/2}	XREF	Comments
0.0	(4 ⁻)	0.86 s 4		<p>$\% \beta^- = 100$; $\% \beta^- n = 7.60$ 28</p> <p>J^{π}: assigned by 1999Li18 based on significant β^- to ¹⁴⁰Xe 2⁺, 4⁺, and 6⁺ levels ($\beta\gamma\gamma(t)$ method), for which no values are given (possibly in their Ref. [16] “to be published”, not retrieved by evaluator, probably unpublished; H. Mach confirmed to evaluator in Dec. 2005 that there is supplementary unpublished data). This value updates the formerly evaluated values, (3) (1994Pe19), and (3)⁽⁻⁾ (2003Au02).</p> <p>T_{1/2}: from 1976Ah01. Others: 0.88 s 13 (1974Kr21), 0.86 s 14 (1970HeZH), 0.88 s 12 (1970WiZN).</p> <p>Delayed neutron emission probability=7.60% 28 (2017AgZZ); Others: 9.3% 10 (1993Ru01,1983ReZX,1984Ma39), 9.2% 6 (1980Al15), 21.7% 56 (1978Kr15); see also 1976NiZZ, 1975Is03, 1974Kr21, 1973To16.</p>
0.0+x	(2 ⁻)		A	<p>$\% \beta^- = ?$; $\% \beta^- n = ?$; $\% IT = ?$</p> <p>Decay modes of this state are not known.</p> <p>E(level), J^{π}: based on beta-decay feeding from ¹⁴⁰Te parent 0⁺ g.s. and γ transitions from the levels populated by β^- decay, 2017Mo19 propose this level with J^{π}=(2⁻), different from the known (4⁻) ¹⁴⁰I g.s. with half-life of 0.86 s. Energy and half-life of the (2⁻) state are not given by 2017Mo19, but the authors refer about this state to a private communication (their reference 17). Consequently this level is assumed at higher energy than the (4⁻) g.s. (hence this level scheme is built on the 0.0+x level).</p>
5.47+x 15	(1 ⁻)		A	
43.25+x 13	(1 ⁻ , 2 ⁻)		A	
51.48+x 10	(1 ⁻ , 2 ⁻)		A	
107.47+x 11	(0 ⁻ , 1 ⁻ , 2 ⁻)		A	
120.94+x 9	(1 ⁻ , 2 ⁻)		A	
142.31+x 13	(1 ⁻ , 2 ⁻)		A	
185.68+x 11	(1 ⁻ , 2 ⁻)		A	
234.94+x 13	(0 ⁻ , 1 ⁻ , 2 ⁻)		A	
342.07+x 13	(0 ⁻ , 1 ⁻)		A	
459.37+x 23	(1 ⁻ , 2 ⁻)		A	
490.21+x 13	(1 ⁻ , 2 ⁻)		A	
639.31+x 16	(0 ⁻ , 1 ⁻ , 2 ⁻)		A	
727.70+x 13	(0 ⁻ , 1 ⁻ , 2 ⁻)		A	
842.12+x 12	(0 ⁻ , 1 ⁻ , 2 ⁻)		A	
881.46+x 17	(0 ⁻ , 1 ⁻ , 2 ⁻)		A	
925.44+x 10	(1 ⁺)		A	Proposed configuration= $\pi 3/2[541] \otimes \nu 1/2[541]$ (2017Mo19 , β^- decay).
1188.00+x 12	(1 ⁺)		A	
1786.91+x 13	(1 ⁺)		A	

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Adopted Levels, Gammas (continued)

¹⁴⁰I Levels (continued)

† From a least-squares fit to E_γ values, assuming 0.2 keV uncertainty for E_γ when not stated, except 0.5 keV for 875.0γ as it is fitted poorly in the level scheme. Values given by 2017Mo19 are fairly close to those listed here, but with uncertainties that are generally higher by a factor of 2-5.

‡ Except for the g.s., assigned by 2017Mo19 in the β⁻ decay based on their shell-model calculations, and partly based on log ft values.

E _i (level)	J _i ^π	E _γ	I _γ	E _f	J _f ^π	Mult.	α [†]	γ(¹⁴⁰ I)	Comments
43.25+x	(1 ⁻ ,2 ⁻)	44.0 10	100	0.0+x	(2 ⁻)	[M1]	8.0 6		ce(K)/(γ+ce)=0.76 3; ce(L)/(γ+ce)=0.101 9; ce(M)/(γ+ce)=0.0204 20 ce(N)/(γ+ce)=0.0041 4; ce(O)/(γ+ce)=0.00048 5 α(K)=6.9 5; α(L)=0.91 7; α(M)=0.184 14 α(N)=0.037 3; α(O)=0.0043 3
51.48+x	(1 ⁻ ,2 ⁻)	51.4	100	0.0+x	(2 ⁻)	[M1]	5.10		ce(K)/(γ+ce)=0.718 6; ce(L)/(γ+ce)=0.0949 17; ce(M)/(γ+ce)=0.0191 4 ce(N)/(γ+ce)=0.00387 7; ce(O)/(γ+ce)=0.000451 9 α(K)=4.38 7; α(L)=0.579 9; α(M)=0.1167 17 α(N)=0.0236 4; α(O)=0.00275 4
107.47+x	(0 ⁻ ,1 ⁻ ,2 ⁻)	56.0 1	22 3	51.48+x	(1 ⁻ ,2 ⁻)	[M1]	3.97		ce(K)/(γ+ce)=0.686 6; ce(L)/(γ+ce)=0.0905 17; ce(M)/(γ+ce)=0.0182 4 ce(N)/(γ+ce)=0.00369 7; ce(O)/(γ+ce)=0.000431 9 α(K)=3.41 5; α(L)=0.450 7; α(M)=0.0908 14 α(N)=0.0184 3; α(O)=0.00214 4
		102.0	100 7	5.47+x	(1 ⁻)	[M1]	0.707		ce(K)/(γ+ce)=0.356 4; ce(L)/(γ+ce)=0.0466 7; ce(M)/(γ+ce)=0.00939 15 ce(N)/(γ+ce)=0.00190 3; ce(O)/(γ+ce)=0.000222 4 α(K)=0.608 9; α(L)=0.0795 12; α(M)=0.01603 23 α(N)=0.00324 5; α(O)=0.000379 6
120.94+x	(1 ⁻ ,2 ⁻)	77.7 1	100 12	43.25+x	(1 ⁻ ,2 ⁻)	[M1]	1.539		ce(K)/(γ+ce)=0.521 5; ce(L)/(γ+ce)=0.0684 11; ce(M)/(γ+ce)=0.01379 24 ce(N)/(γ+ce)=0.00279 5; ce(O)/(γ+ce)=0.000326 6 α(K)=1.322 20; α(L)=0.174 3; α(M)=0.0350 5 α(N)=0.00708 11; α(O)=0.000828 12
		120.9 1	23 3	0.0+x	(2 ⁻)	[M1]	0.437		ce(K)/(γ+ce)=0.262 3; ce(L)/(γ+ce)=0.0341 5; ce(M)/(γ+ce)=0.00688 11 ce(N)/(γ+ce)=0.001393 21; ce(O)/(γ+ce)=0.0001630 25 α(K)=0.376 6; α(L)=0.0491 7; α(M)=0.00989 14 α(N)=0.00200 3; α(O)=0.000234 4
142.31+x	(1 ⁻ ,2 ⁻)	142.4	100	0.0+x	(2 ⁻)	[M1]	0.277		ce(K)/(γ+ce)=0.1866 22; ce(L)/(γ+ce)=0.0243 4; ce(M)/(γ+ce)=0.00489 7 ce(N)/(γ+ce)=0.000990 15; ce(O)/(γ+ce)=0.0001159 17 α(K)=0.238 4; α(L)=0.0310 5; α(M)=0.00624 9 α(N)=0.001264 18; α(O)=0.0001480 21
185.68+x	(1 ⁻ ,2 ⁻)	134.2 1	83 7	51.48+x	(1 ⁻ ,2 ⁻)	[M1]	0.327		ce(K)/(γ+ce)=0.2118 24; ce(L)/(γ+ce)=0.0276 4; ce(M)/(γ+ce)=0.00556 8 ce(N)/(γ+ce)=0.001125 17; ce(O)/(γ+ce)=0.0001317 20

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Adopted Levels, Gammas (continued)

$\gamma(^{140}\text{I})$ (continued)								
$E_i(\text{level})$	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.	α^\dagger	Comments
185.68+x	(1 ⁻ ,2 ⁻)	185.6	100 8	0.0+x	(2 ⁻)	[M1]	0.1338	$\alpha(\text{K})=0.281$ 4; $\alpha(\text{L})=0.0366$ 6; $\alpha(\text{M})=0.00737$ 11 $\alpha(\text{N})=0.001492$ 22; $\alpha(\text{O})=0.0001747$ 25 ce(K)/(γ +ce)=0.1016 13; ce(L)/(γ +ce)=0.01313 19; ce(M)/(γ +ce)=0.00264 4 ce(N)/(γ +ce)=0.000535 8; ce(O)/(γ +ce)= 6.28×10^{-5} 9 $\alpha(\text{K})=0.1152$ 17; $\alpha(\text{L})=0.01488$ 21; $\alpha(\text{M})=0.00300$ 5
234.94+x	(0 ⁻ ,1 ⁻ ,2 ⁻)	113.8 2	91 13	120.94+x	(1 ⁻ ,2 ⁻)	[M1]	0.518	$\alpha(\text{N})=0.000607$ 9; $\alpha(\text{O})=7.11 \times 10^{-5}$ 10 ce(K)/(γ +ce)=0.294 4; ce(L)/(γ +ce)=0.0384 6; ce(M)/(γ +ce)=0.00773 12 ce(N)/(γ +ce)=0.001564 25; ce(O)/(γ +ce)=0.000183 3 $\alpha(\text{K})=0.446$ 7; $\alpha(\text{L})=0.0582$ 9; $\alpha(\text{M})=0.01174$ 18
		229.4	100 10	5.47+x	(1 ⁻)	[M1]	0.0756	$\alpha(\text{N})=0.00238$ 4; $\alpha(\text{O})=0.000278$ 5 ce(K)/(γ +ce)=0.0606 8; ce(L)/(γ +ce)=0.00778 11; ce(M)/(γ +ce)=0.001566 22 ce(N)/(γ +ce)=0.000317 5; ce(O)/(γ +ce)= 3.72×10^{-5} 6 $\alpha(\text{K})=0.0652$ 10; $\alpha(\text{L})=0.00837$ 12; $\alpha(\text{M})=0.001684$ 24
342.07+x	(0 ⁻ ,1 ⁻)	234.5	89 6	107.47+x	(0 ⁻ ,1 ⁻ ,2 ⁻)	[M1]	0.0713	$\alpha(\text{N})=0.000341$ 5; $\alpha(\text{O})=4.00 \times 10^{-5}$ 6 ce(K)/(γ +ce)=0.0574 8; ce(L)/(γ +ce)=0.00737 11; ce(M)/(γ +ce)=0.001482 21 ce(N)/(γ +ce)=0.000300 5; ce(O)/(γ +ce)= 3.52×10^{-5} 5 $\alpha(\text{K})=0.0615$ 9; $\alpha(\text{L})=0.00789$ 11; $\alpha(\text{M})=0.001588$ 23
		342.1	100 6	0.0+x	(2 ⁻)	[M1]	0.0266	$\alpha(\text{N})=0.000322$ 5; $\alpha(\text{O})=3.77 \times 10^{-5}$ 6 ce(K)/(γ +ce)=0.0224 3; ce(L)/(γ +ce)=0.00284 4; ce(M)/(γ +ce)=0.000570 8 ce(N)/(γ +ce)=0.0001154 17; ce(O)/(γ +ce)= 1.358×10^{-5} 19 $\alpha(\text{K})=0.0230$ 4; $\alpha(\text{L})=0.00291$ 4; $\alpha(\text{M})=0.000585$ 9
459.37+x	(1 ⁻ ,2 ⁻)	351.9	100	107.47+x	(0 ⁻ ,1 ⁻ ,2 ⁻)	[M1]	0.0247	$\alpha(\text{N})=0.0001185$ 17; $\alpha(\text{O})=1.394 \times 10^{-5}$ 20 ce(K)/(γ +ce)=0.0208 3; ce(L)/(γ +ce)=0.00264 4; ce(M)/(γ +ce)=0.000531 8 ce(N)/(γ +ce)=0.0001075 15; ce(O)/(γ +ce)= 1.264×10^{-5} 18 $\alpha(\text{K})=0.0214$ 3; $\alpha(\text{L})=0.00271$ 4; $\alpha(\text{M})=0.000544$ 8
490.21+x	(1 ⁻ ,2 ⁻)	382.6	100	107.47+x	(0 ⁻ ,1 ⁻ ,2 ⁻)	[M1]	0.0200	$\alpha(\text{N})=0.0001102$ 16; $\alpha(\text{O})=1.296 \times 10^{-5}$ 19 ce(K)/(γ +ce)=0.01693 24; ce(L)/(γ +ce)=0.00214 3; ce(M)/(γ +ce)=0.000430 6 ce(N)/(γ +ce)= 8.71×10^{-5} 13;

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Adopted Levels, Gammas (continued)

$\gamma(^{140}\text{I})$ (continued)								
$E_i(\text{level})$	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.	α^\dagger	Comments
								ce(O)/(γ +ce)= 1.024×10^{-5} 15 $\alpha(\text{K})=0.01727$ 25; $\alpha(\text{L})=0.00218$ 3; $\alpha(\text{M})=0.000438$ 7 $\alpha(\text{N})=8.88 \times 10^{-5}$ 13; $\alpha(\text{O})=1.045 \times 10^{-5}$ 15
639.31+x	(0 ⁻ ,1 ⁻ ,2 ⁻)	497.0 1	100	142.31+x	(1 ⁻ ,2 ⁻)	[M1]	0.01039	$\alpha(\text{K})=0.00899$ 13; $\alpha(\text{L})=0.001126$ 16; $\alpha(\text{M})=0.000226$ 4 $\alpha(\text{N})=4.58 \times 10^{-5}$ 7; $\alpha(\text{O})=5.40 \times 10^{-6}$ 8
727.70+x	(0 ⁻ ,1 ⁻ ,2 ⁻)	620.3 1	71 8	107.47+x	(0 ⁻ ,1 ⁻ ,2 ⁻)	[M1]	0.00606	$\alpha(\text{K})=0.00525$ 8; $\alpha(\text{L})=0.000652$ 10; $\alpha(\text{M})=0.0001307$ 19 $\alpha(\text{N})=2.65 \times 10^{-5}$ 4; $\alpha(\text{O})=3.13 \times 10^{-6}$ 5
		722.3	100 7	5.47+x	(1 ⁻)	[M1]	0.00421	$\alpha(\text{K})=0.00365$ 6; $\alpha(\text{L})=0.000451$ 7; $\alpha(\text{M})=9.05 \times 10^{-5}$ 13 $\alpha(\text{N})=1.83 \times 10^{-5}$ 3; $\alpha(\text{O})=2.17 \times 10^{-6}$ 3
842.12+x	(0 ⁻ ,1 ⁻ ,2 ⁻)	734.7 1	68 33	107.47+x	(0 ⁻ ,1 ⁻ ,2 ⁻)	[M1]	0.00405	$\alpha(\text{K})=0.00351$ 5; $\alpha(\text{L})=0.000433$ 6; $\alpha(\text{M})=8.69 \times 10^{-5}$ 13 $\alpha(\text{N})=1.761 \times 10^{-5}$ 25; $\alpha(\text{O})=2.08 \times 10^{-6}$ 3
		790.6 1	100 10	51.48+x	(1 ⁻ ,2 ⁻)	[M1]	0.00341	$\alpha(\text{K})=0.00295$ 5; $\alpha(\text{L})=0.000364$ 5; $\alpha(\text{M})=7.30 \times 10^{-5}$ 11 $\alpha(\text{N})=1.479 \times 10^{-5}$ 21; $\alpha(\text{O})=1.747 \times 10^{-6}$ 25
881.46+x	(0 ⁻ ,1 ⁻ ,2 ⁻)	646.5 2	36 7	234.94+x	(0 ⁻ ,1 ⁻ ,2 ⁻)	[M1]	0.00548	$\alpha(\text{K})=0.00475$ 7; $\alpha(\text{L})=0.000590$ 9; $\alpha(\text{M})=0.0001182$ 17 $\alpha(\text{N})=2.40 \times 10^{-5}$ 4; $\alpha(\text{O})=2.83 \times 10^{-6}$ 4
		830.0	100 9	51.48+x	(1 ⁻ ,2 ⁻)	[M1]	0.00304	$\alpha(\text{K})=0.00264$ 4; $\alpha(\text{L})=0.000325$ 5; $\alpha(\text{M})=6.50 \times 10^{-5}$ 10 $\alpha(\text{N})=1.319 \times 10^{-5}$ 19; $\alpha(\text{O})=1.558 \times 10^{-6}$ 22
925.44+x	(1 ⁺)	198.1	73 6	727.70+x	(0 ⁻ ,1 ⁻ ,2 ⁻)	[E1]	0.0303	ce(K)/(γ +ce)=0.0254 4; ce(L)/(γ +ce)=0.00321 5; ce(M)/(γ +ce)=0.000641 9 ce(N)/(γ +ce)=0.0001286 18; ce(O)/(γ +ce)= 1.466×10^{-5} 21 $\alpha(\text{K})=0.0262$ 4; $\alpha(\text{L})=0.00330$ 5; $\alpha(\text{M})=0.000661$ 10 $\alpha(\text{N})=0.0001325$ 19; $\alpha(\text{O})=1.510 \times 10^{-5}$ 22
		435.2 1	8.0 18	490.21+x	(1 ⁻ ,2 ⁻)	[E1]	0.00389	$\alpha(\text{K})=0.00337$ 5; $\alpha(\text{L})=0.000415$ 6; $\alpha(\text{M})=8.30 \times 10^{-5}$ 12 $\alpha(\text{N})=1.675 \times 10^{-5}$ 24; $\alpha(\text{O})=1.95 \times 10^{-6}$ 3
		583.3 2	7.4 18	342.07+x	(0 ⁻ ,1 ⁻)	[E1]	0.00197	$\alpha(\text{K})=0.001708$ 24; $\alpha(\text{L})=0.000208$ 3; $\alpha(\text{M})=4.16 \times 10^{-5}$ 6 $\alpha(\text{N})=8.41 \times 10^{-6}$ 12; $\alpha(\text{O})=9.82 \times 10^{-7}$ 14
		739.8	100 6	185.68+x	(1 ⁻ ,2 ⁻)	[E1]	1.18×10^{-3}	$\alpha(\text{K})=0.001024$ 15; $\alpha(\text{L})=0.0001240$ 18;

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Adopted Levels, Gammas (continued)

$\gamma(^{140}\text{I})$ (continued)								
$E_i(\text{level})$	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.	α^\dagger	Comments
925.44+x	(1 ⁺)	783.3	22 2	142.31+x	(1 ⁻ , 2 ⁻)	[E1]	1.05×10^{-3}	$\alpha(\text{M})=2.48 \times 10^{-5}$ 4 $\alpha(\text{N})=5.01 \times 10^{-6}$ 7; $\alpha(\text{O})=5.87 \times 10^{-7}$ 9 $\alpha(\text{K})=0.000910$ 13; $\alpha(\text{L})=0.0001100$ 16; $\alpha(\text{M})=2.20 \times 10^{-5}$ 3
		804.5 2	51 6	120.94+x	(1 ⁻ , 2 ⁻)	[E1]	9.92×10^{-4}	$\alpha(\text{N})=4.44 \times 10^{-6}$ 7; $\alpha(\text{O})=5.21 \times 10^{-7}$ 8 $\alpha(\text{K})=0.000862$ 12; $\alpha(\text{L})=0.0001041$ 15; $\alpha(\text{M})=2.08 \times 10^{-5}$ 3
		817.8	26 2	107.47+x	(0 ⁻ , 1 ⁻ , 2 ⁻)	[E1]	9.60×10^{-4}	$\alpha(\text{N})=4.21 \times 10^{-6}$ 6; $\alpha(\text{O})=4.93 \times 10^{-7}$ 7 $\alpha(\text{K})=0.000834$ 12; $\alpha(\text{L})=0.0001007$ 14; $\alpha(\text{M})=2.01 \times 10^{-5}$ 3
		875.0	88 6	51.48+x	(1 ⁻ , 2 ⁻)	[E1]	8.39×10^{-4}	$\alpha(\text{N})=4.07 \times 10^{-6}$ 6; $\alpha(\text{O})=4.77 \times 10^{-7}$ 7 $\alpha(\text{K})=0.000729$ 11; $\alpha(\text{L})=8.78 \times 10^{-5}$ 13; $\alpha(\text{M})=1.753 \times 10^{-5}$ 25
1188.00+x	(1 ⁺)	925.1 2	16 3	0.0+x	(2 ⁻)	[E1]	7.52×10^{-4}	$\alpha(\text{N})=3.55 \times 10^{-6}$ 5; $\alpha(\text{O})=4.17 \times 10^{-7}$ 6 E _γ : poor fit in the level scheme. Level-energy difference=874.0 1. $\alpha(\text{K})=0.000654$ 10; $\alpha(\text{L})=7.86 \times 10^{-5}$ 11; $\alpha(\text{M})=1.570 \times 10^{-5}$ 22
		1045.7 3	6 3	142.31+x	(1 ⁻ , 2 ⁻)	[E1]	5.95×10^{-4}	$\alpha(\text{N})=3.18 \times 10^{-6}$ 5; $\alpha(\text{O})=3.73 \times 10^{-7}$ 6 $\alpha(\text{K})=0.000618$ 9; $\alpha(\text{L})=7.42 \times 10^{-5}$ 11; $\alpha(\text{M})=1.481 \times 10^{-5}$ 21
		1067.1	43 4	120.94+x	(1 ⁻ , 2 ⁻)	[E1]	5.73×10^{-4}	$\alpha(\text{N})=3.00 \times 10^{-6}$ 5; $\alpha(\text{O})=3.52 \times 10^{-7}$ 5 $\alpha(\text{K})=0.000518$ 8; $\alpha(\text{L})=6.21 \times 10^{-5}$ 9; $\alpha(\text{M})=1.239 \times 10^{-5}$ 18
		1136.4	100 6	51.48+x	(1 ⁻ , 2 ⁻)	[E1]	5.20×10^{-4}	$\alpha(\text{N})=2.51 \times 10^{-6}$ 4; $\alpha(\text{O})=2.95 \times 10^{-7}$ 5 $\alpha(\text{K})=0.000499$ 7; $\alpha(\text{L})=5.97 \times 10^{-5}$ 9; $\alpha(\text{M})=1.192 \times 10^{-5}$ 17
1786.91+x	(1 ⁺)	1188.5 3	17 5	0.0+x	(2 ⁻)	[E1]	4.98×10^{-4}	$\alpha(\text{N})=2.41 \times 10^{-6}$ 4; $\alpha(\text{O})=2.84 \times 10^{-7}$ 4 $\alpha(\text{K})=0.000444$ 7; $\alpha(\text{L})=5.31 \times 10^{-5}$ 8; $\alpha(\text{M})=1.060 \times 10^{-5}$ 15
		1601.1 2	100 18	185.68+x	(1 ⁻ , 2 ⁻)	[E1]	5.83×10^{-4}	$\alpha(\text{N})=2.15 \times 10^{-6}$ 3; $\alpha(\text{O})=2.53 \times 10^{-7}$ 4; $\alpha(\text{IPF})=9.05 \times 10^{-6}$ 13 $\alpha(\text{K})=0.000410$ 6; $\alpha(\text{L})=4.89 \times 10^{-5}$ 7; $\alpha(\text{M})=9.76 \times 10^{-6}$ 14
		1644.5 2	52 20	142.31+x	(1 ⁻ , 2 ⁻)	[E1]	6.04×10^{-4}	$\alpha(\text{N})=1.98 \times 10^{-6}$ 3; $\alpha(\text{O})=2.33 \times 10^{-7}$ 4; $\alpha(\text{IPF})=2.69 \times 10^{-5}$ 4 $\alpha(\text{K})=0.000259$ 4; $\alpha(\text{L})=3.07 \times 10^{-5}$ 5; $\alpha(\text{M})=6.11 \times 10^{-6}$ 9
		1787.2 2	43 14	0.0+x	(2 ⁻)	[E1]	6.78×10^{-4}	$\alpha(\text{N})=1.238 \times 10^{-6}$ 18; $\alpha(\text{O})=1.462 \times 10^{-7}$ 21; $\alpha(\text{IPF})=0.000264$ 4 $\alpha(\text{K})=0.000245$ 4; $\alpha(\text{L})=2.91 \times 10^{-5}$ 4; $\alpha(\text{M})=5.80 \times 10^{-6}$ 9

† Additional information 1.

Adopted Levels, Gammas

Level Scheme

Intensities: Relative photon branching from each level

