

Adopted Levels, Gammas

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	K. Kitao, Y. Tendow and A. Hashizume		NDS 96,241 (2002)	1-Dec-2001

$Q(\beta^-) = -8284$ 16; $S(n) = 11449$ 16; $S(p) = 5.70 \times 10^3$ 3; $Q(\alpha) = 6.7 \times 10^2$ 3 [2012Wa38](#)

Note: Current evaluation has used the following Q record -7942 4511.24E3 13 5453 771051 102 [1995Au04](#).

 ^{120}Xe LevelsCross Reference (XREF) Flags

A ^{120}Cs ε decay (64 s+57 s)
B (HI,xn γ)

E(level) ^d	J π ^e	T _{1/2} ^f	XREF	Comments
0.0 ^b	0 ⁺	40 min 1	AB	% ε +% β^+ =100 T _{1/2} : from 1965An05 . Others: 43 min 3 (1965Bu03), 39.5 min 20 (1974Mu10).
322.61 ^b 4	2 ⁺	45.7 ps 20	AB	J π : E2 γ to 0 ⁺ . T _{1/2} : value from weighted av of 52.0 ps 49 (from A. Dewald as quoted by 1995Wa25), 44.4 ps 35 (1995Wa25), and 44.4 ps 28 (1996Ma16); these values are based on RDM, except for 1995Wa25 ($\gamma\gamma(t)$ in ^{120}Cs ε decay). Others: 86 ps 10 (1972Ku14), 84 ps 8 (1980KaZT), and 84 ps 18 (1985ChZY); these values based on RDM are in error due to an incorrect treatment of side feeding (1995Wa25).
796.16 ^b 4	4 ⁺	5.8 ps 4	AB	J π : E2 γ to 2 ⁺ . T _{1/2} : based on RDM in (HI,xn γ). Value from weighted av of 6.1 ps 12 (1972Ku14), 6.0 ps 6 (from A. Dewald as quoted by 1995Wa25), and 5.6 ps (1995Wa25). Other: 7.6 ps 9 (1980KaZT).
876.10 ^a 4	2 ⁺		AB	J π : E2 γ to 0 ⁺ .
908.70 ^c 5	0 ⁺	<6.2 ps	A	J π : E0 transition to 0 ⁺ . T _{1/2} : from $\gamma\gamma(t)$ in ^{120}Cs ε decay (1996Ma16).
1271.70 ^a 4	3 ⁺		AB	J π : stretched D to 2 ⁺ , M2(+M1) γ to 2 ⁺ , γ to 4 ⁺ .
1274.43 ^c 4	(2) ⁺		A	J π : (E2) γ to 0 ⁺ , M1,E2 γ to $\pi=+$.
1397.33 ^b 6	6 ⁺	1.73 ps 25	AB	J π : E2 γ to 4 ⁺ . T _{1/2} : based on RDM, value is from 1995Wa25 . Others: <3.5 ps (1972Ku14), 2.1 ps 7 (1980KaZT), and 1.0 to 2.0 ps (from A. Dewald as quoted by 1995Wa25), 1.42 ps +45-28 (2000Pa63).
1401.34 ^a 5	4 ⁺		AB	J π : E2 γ to 2 ⁺ , γ to 4 ⁺ .
1623.25 5	0 ⁺	83 ps 28	A	J π : E0 transition to 0 ⁺ . T _{1/2} : from 1996Ma16 based on RDM. Other: 600 ns 21 from (β)(ce)(t) (1992Bh02).
1711.75 ^c 5	(4) ⁺		A	J π : M1+E2+E0 γ to 4 ⁺ , γ to 6 ⁺ , (E2) γ to (2) ⁺ .
1725.40 5	2 ⁺	0.6 ns 5	A	J π : M1+E2+E0 γ to 2 ⁺ . T _{1/2} : from (β)(ce)(t) (1992Bh02).
1745.31 7	+		A	J π : M1,E2 γ to $\pi=+$.
1767.54 6	(2 ⁺ ,3,4 ⁺)		A	J π : γ 's to 2 ⁺ and 4 ⁺ .
1816.98 ^a 5	(5) ⁺		AB	J π : M1,E2 γ to 4 ⁺ , γ to 6 ⁺ .
1924.11 8	2 ⁺		A	J π : γ to 4 ⁺ , γ from 0 ⁺ .
1941.31 6	2 ⁺		A	J π : γ 's to 0 ⁺ and 4 ⁺ , M1,E2 γ to (3) ⁺ .
1982.49 11	(1,2 ⁺)		A	J π : γ 's to 0 ⁺ and 2 ⁺ .
1985.63 ^a 6	6 ⁺		AB	J π : M1,E2 γ to 4 ⁺ , E2 γ to 4 ⁺ .
1995.07 6	2		A	J π : γ 's to 0 ⁺ and 4 ⁺ .
2050.56 7	(2 ⁺ ,3,4 ⁺)		A	J π : γ 's to 2 ⁺ and 4 ⁺ .
2071.99 6	4 ⁺		A	J π : E2(+M1) γ to 3 ⁺ , γ 's to 2 ⁺ and 6 ⁺ .

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Adopted Levels, Gammas (continued)

^{120}Xe Levels (continued)				
E(level) ^d	J ^{πe}	T _{1/2} ^f	XREF	Comments
2072.7 8			B	
2099.20 ^b 8	8 ⁺	0.97 ps 17	AB	J ^{π} : E2 γ to 6 ⁺ . T _{1/2} : weighted av of 0.91 ps 17 from DSA (2000Pa63) and 1.3 ps 4 from RDM (1987Ha17), in (HI,xn γ). Others: <1.4 ps (1980KaZT), <1.80 ps 21 (1995Wa25).
2165.16 6	(2 ⁺ ,3,4 ⁺)		A	J ^{π} : γ 's to 2 ⁺ and 4 ⁺ .
2186.80 6	(2,3,4)		A	J ^{π} : γ 's to 2 ⁺ and (4) ⁺ .
2236.65 15	0 ⁺		A	J ^{π} : E0 transition to 0 ⁺ g.s.
2242.13 7			A	
2272.68 7	(4 ⁻ ,5 ⁻)		A	J ^{π} : (E1) γ to (4) ⁺ , γ to (5) ⁺ .
2295.10 9			A	
2402.12 6	(1,2) ⁺		A	J ^{π} : γ to 0 ⁺ ; M1,E2 γ to (3) ⁺ .
2411.0 10	0 ⁺		A	J ^{π} : E0 transition to 0 ⁺ g.s.
2448.42 9	(3,4) ⁺		A	J ^{π} : M1,E2 γ to (5) ⁺ ; γ to (2) ⁺ .
2460.88 ^a 8	7 ⁺	0.62 ps +35-14	AB	J ^{π} : E2 γ to 5 ⁺ .
2495.2 [‡] 6	(7 ⁻)		B	J ^{π} : D γ to 6 ⁺ .
2536.07 9			A	
2544.8 [#] 7	(6 ⁻)		AB	J ^{π} : D γ to 6 ⁺ .
2637.59 11	(1,2) ⁺		A	J ^{π} : γ 's to 0 ⁺ and 2 ⁺ .
2653.83 ^a 12	(8 ⁺)		AB	J ^{π} : γ to 6 ⁺ .
2669.5 8			B	
2682.12 8			A	
2721.89 8	(3,4,5) ⁺		A	J ^{π} : γ 's to (3) ⁺ and (5) ⁺ , M1,E2 γ to (4,5) ⁺ .
2727.34 8	(4 ⁺ ,5,6 ⁺)		A	J ^{π} : γ 's to 4 ⁺ and 6 ⁺ .
2728.5 5	(6 ⁻)		B	J ^{π} : D γ to (5) ⁺ , γ 's to (6 ⁻) and (6 ⁺).
2812.68 8	(4)		A	J ^{π} : γ 's to (2) ⁺ and (6 ⁺).
2830.20 10	7 ⁻		AB	J ^{π} : D γ to 6 ⁺ , γ to 8 ⁺ .
2830.95 16			A	
2853.98 ^h 6			A	
2872.70 ^b 13	10 ⁺	0.63 ps 10	B	J ^{π} : E2 γ to 8 ⁺ . T _{1/2} : other: 0.70 ps 35 based on RDM (1987Ha17).
2912.1 8			B	
2930.08 ^g 5	(7 ⁻)		AB	J ^{π} : D γ to 6 ⁺ .
2966.77 11			A	
2966.84 [†] 13	(8 ⁻)		B	J ^{π} : D γ to 7 ⁺ , γ to (6 ⁻).
2970.80 [‡] 13	(9 ⁻)		B	J ^{π} : D γ to 8 ⁺ , γ to (7 ⁻).
3003.4 [#] 6	(8 ⁻)		B	J ^{π} : Q γ to (6 ⁻), γ to 8 ⁺ .
3075.78 ^g 6	(8 ⁻)		B	J ^{π} : γ 's to 7 ⁻ and (8 ⁻).
3149.32 [†] 13	(9 ⁻)		B	J ^{π} : Q γ to (8 ⁻), γ to 7 ⁻ .
3149.5 10			A	
3174.11 ^a 13	9 ⁺	0.52 ps 7	B	J ^{π} : E2 γ to 7 ⁺ , γ to 8 ⁺ .
3280.78 ^g 8	(9 ⁻)		B	J ^{π} : γ to (9 ⁻).
3326.43 [@] 16	(10 ⁺)		B	J ^{π} : γ to (8 ⁺).
3357.21 7	(2 ⁺)		A	J ^{π} : γ 's to 0 ⁺ and 4 ⁺ .
3383.34 [†] 15	(10 ⁻)		B	J ^{π} : γ 's to (8 ⁻) and (9 ⁻).
3470.91 10	(2 ⁺)		A	J ^{π} : γ 's to 0 ⁺ and 4 ⁺ .
3535.4 [#] 8	(10 ⁻)		B	J ^{π} : γ 's to (8 ⁻) and (9 ⁻).
3575.38 ^g 9	(10 ⁻)		B	J ^{π} : Q γ to (10 ⁻).
3591.69 [‡] 16	(11 ⁻)		B	J ^{π} : Q γ to (9 ⁻) and D γ to 10 ⁺ .
3648.44 [†] 15	(11 ⁻)		B	J ^{π} : Q γ to (9 ⁻) and γ to (10 ⁻).
3676.51 ^b 16	12 ⁺	0.58 ps 9	B	J ^{π} : E2 γ to 10 ⁺ .
3802.62 7	(2 ⁺)		A	γ 's to 0 ⁺ and 4 ⁺ .

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Adopted Levels, Gammas (continued)

^{120}Xe Levels (continued)					
E(level) ^d	J ^{πe}	T _{1/2} ^f	XREF	Comments	
3852.4 ^g 11	(11 ⁻)		B	J ^π : Q γ to (11 ⁻).	
3918.7 [@] 6	12 ⁺	1.2 ps +10-3	B	J ^π : E2 γ to 10 ⁺ , D γ to 11 ⁺ .	
3933.9 ^a 10	(11 ⁺)	0.55 ps +21-14	B	J ^π : E2 γ to (9 ⁺).	
3956.55 [†] 18	(12 ⁻)		B	J ^π : Q γ to (10 ⁻), D γ to (11 ⁻).	
4157.8 ^{&} 8	(12 ⁺)	0.58 ps +14-10	B	J ^π : γ to 10 ⁺ , D γ to 12 ⁺ .	
4167.5 [#] 13	(12 ⁻)		B	J ^π : Q γ to (10 ⁻), γ to (11 ⁻).	
4212.5 ^g 9	(12 ⁻)		B	J ^π : γ's to (12 ⁻) and (11 ⁻).	
4292.66 [†] 19	(13 ⁻)		B	J ^π : γ's to (10 ⁻) and (11 ⁻).	
4306.3 [‡] 6	(13 ⁻)		B	J ^π : Q γ to (11 ⁻), γ to (11 ⁻).	
4313.12 9	(2 ⁺)		A	J ^π : γ's to 0 ⁺ and 4 ⁺ .	
4458.92 ^b 19	14 ⁺	0.69 ps 10	B	J ^π : E2 γ to 12 ⁺ .	
4557.7 ^g 11	(13 ⁻)		B	J ^π : γ's to (11 ⁻) and (13 ⁻).	
4608.4 [@] 7	(14 ⁺)	1.1 ps +5-3	B	J ^π : γ to 12 ⁺ , D γ to 14 ⁺ .	
4664.45 [†] 19	(14 ⁻)		B	J ^π : Q γ to (12 ⁻), D γ to (13 ⁻).	
4695.9 ^a 15	(13 ⁺)	0.87 ps +22-17	B	J ^π : γ to (11 ⁺).	
4846.8 ^{&} 7	(14 ⁺)	0.21 ps 3	B	J ^π : γ's to 12 ⁺ and 14 ⁺ .	
4888.5 [#] 17	(14 ⁻)		B	J ^π : Q γ to (12 ⁻).	
4938.5 ^g 11	(14 ⁻)		B	J ^π : γ's to (12 ⁻) and (14 ⁻).	
5059.1 [†] 7	(15 ⁻)		B	J ^π : Q γ to (13 ⁻), D γ to (14 ⁻).	
5085.2 [‡] 6	(15 ⁻)		B	J ^π : Q γ to (13 ⁻), γ to (13 ⁻).	
5232.3 ^b 9	16 ⁺	0.48 ps +15-8	B	J ^π : E2 γ to 14 ⁺ .	
5405.9 [@] 12	(16 ⁺)	0.45 ps +19-9	B	J ^π : E2 γ to (14 ⁺).	
5479.7 [†] 8	(16 ⁻)		B	J ^π : Q γ to (14 ⁻), D γ to (15 ⁻).	
5636.9 ^{&} 8	(16 ⁺)	0.49 ps +21-7	B	J ^π : E2 γ's to 14 ⁺ and (14 ⁺).	
5691.8 [#] 19	(16 ⁻)		B	J ^π : Q γ to (14 ⁻).	
5919.9 [†] 9	(17 ⁻)		B	J ^π : Q γ to (15 ⁻), D γ to (16 ⁻).	
5928.9 [‡] 6	(17 ⁻)		B	J ^π : Q γ to (15 ⁻).	
6051.0 ^b 14	18 ⁺	0.26 ps 4	B	J ^π : E2 γ to 16 ⁺ .	
6339.0 [@] 16	(18 ⁺)	0.22 ps 5	B	J ^π : E2 γ to (15 ⁺).	
6382.5 [†] 10	(18 ⁻)		B	J ^π : Q γ to (16 ⁻), D γ to (17 ⁻).	
6457.1 ^{&} 10	(18 ⁺)	0.22 ps +9-5	B	J ^π : γ's to (16 ⁺) and 16 ⁺ .	
6574.5 [#] 22	(18 ⁻)		B	J ^π : Q γ to (16 ⁻).	
6833.5 [‡] 12	(19 ⁻)		B	J ^π : Q γ to (17 ⁻).	
6862.6 [†] 12	(19 ⁻)		B	J ^π : γ's to (18 ⁻) and (17 ⁻).	
6955.4 ^b 17	20 ⁺	0.12 ps 3	B	J ^π : E2 γ to 18 ⁺ .	
7320.0 [@] 19	(20 ⁺)	0.12 ps 4	B	J ^π : γ to (18 ⁺).	
7363.7 [†] 9	(20 ⁻)		B	J ^π : γ to (18 ⁻), D γ to (19 ⁻).	
7427.5 [?] 14	(20 ⁺)		B	J ^π : γ to (18 ⁺).	
7511.8 [#] 24	(20 ⁻)		B	J ^π : γ to (18 ⁻).	
7798.5 [‡] 16	(21 ⁻)		B	J ^π : Q γ to (19 ⁻).	
7877.7 [†] 12	(21 ⁻)		B	J ^π : γ to (19 ⁻).	
7955.1 ^b 20	22 ⁺	0.09 ps 4	B	J ^π : E2 γ to 20 ⁺ .	
8467 [#] 3	(22 ⁻)		B	J ^π : Q γ to (20 ⁻).	
8810.2 [‡] 19	(23 ⁻)		B	J ^π : γ to (21 ⁻).	
9051.1 ^b 22	(24 ⁺)		B	J ^π : Q γ to 22 ⁺ .	
9483 [#] 3	(24 ⁻)		B	J ^π : γ to (22 ⁻).	

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Adopted Levels, Gammas (continued) ^{120}Xe Levels (continued)

E(level) ^d	J ^π ^e	XREF	Comments
9875.2 [‡] 21	(25 ⁻)	B	J ^π : γ to (23 ⁻).
10241.1 ^b 24	(26 ⁺)	B	J ^π : γ to (24 ⁺).
10643.1 ^{?#} 21	(26 ⁻)	B	J ^π : γ to (24 ⁻).
11002.2 [‡] 24	(27 ⁻)	B	J ^π : γ to (25 ⁻).
11524 ^b 3	(28 ⁺)	B	J ^π : γ to (26 ⁺).
12150.4 ^{?‡} 20	(29 ⁻)	B	J ^π : γ to (27 ⁻).

[†] Band(A): π=- band built on the 2728-keV (6⁻) state.

[‡] Band(B): π=- yrast band.

Band(C): π=- band built on the 2545-keV (6⁻) state.

@ Band(D): π=+ band built on the 3327-keV (10⁺) state.

& Band(E): π=+ band built on the 4158-keV (12⁺) state.

^a Band(F): quasi-γ band.

^b Band(G): π=+ yrast band.

^c Band(H): quasi-β band.

^d From a least-squares fit to the adopted E(γ's) by the evaluators.

^e For band members, from syst of rotational bands in even Xe isotopes and from B(E2)(W.u.) for deexciting γ's in addition to the arguments given.

^f From DSA measurement in (HI,xnγ) (2000Pa63), unless otherwise noted.

^g Proposed as a member of a band built on the 2931-keV state, but intraband transitions of this band are not well established.

^h Possible doublet (1990MaYX).

Adopted Levels, Gammas (continued)

E _i (level)	J ^π _i	$\gamma(^{120}\text{Xe})$						Comments
		E _γ [†]	I _γ [†]	E _f	J ^π _f	Mult. ^e	δf	
322.61	2 ⁺	322.56@ 5	100	0.0	0 ⁺	E2		B(E2)(W.u.)=101 5
796.16	4 ⁺	473.44@ 5	100	322.61	2 ⁺	E2		B(E2)(W.u.)=117 8
876.10	2 ⁺	553.45@ 8	100 ^a 4	322.61	2 ⁺	M1,E2		Mult.: from α(K)exp in ε decay, but D from DCO in (HI,xnγ).
		876.09@ 5	39 ^a 3	0.0	0 ⁺	E2		
908.70	0 ⁺	586.1# 1	#	322.61	2 ⁺	E2		
		908.7#	#	0.0	0 ⁺	E0		
1271.70	3 ⁺	395.54@ 5	31.1& 20	876.10	2 ⁺	D		Mult.: from DCO value in (HI,xnγ), but E2(+M1) in ¹²⁰ Cs ε decay.
		475.46‡ 7	17.8 20	796.16	4 ⁺			I _γ : weighted av from 1990MaYX and 1977Ge03.
		949.11@ 7	100& 8	322.61	2 ⁺	E2(+M1)		
1274.43	(2) ⁺	365.69# 7	17.4# 15	908.70	0 ⁺	(E2)		
		398.23# 7	9.3# 9	876.10	2 ⁺	M1,E2		
		478.30# 7	20.3# 15	796.16	4 ⁺	E2		
		951.93# 7	30# 3	322.61	2 ⁺	(E2+E0)		
		1274.52# 8	100# 9	0.0	0 ⁺	(E2)		
1397.33	6 ⁺	601.20@ 8	100	796.16	4 ⁺	E2		B(E2)(W.u.)=118 18 E _γ : doublet in (HI,xnγ).
1401.34	4 ⁺	525.24@ 10	78& 3	876.10	2 ⁺	E2		
		605.27@ 12	100& 4	796.16	4 ⁺	M1,E2		
		1078.71‡ 9	5.8 ^b 5	322.61	2 ⁺			
1623.25	0 ⁺	348.78# 7	89# 8	1274.43	(2) ⁺	E2		B(E2)(W.u.)=14 5 Mult.: α(K)exp from 1977Ge03 suggests M2 but RUL excludes mult M2, E3 and higher.
		714.6#	#	908.70	0 ⁺	E0		
		747.24# 7	100# 10	876.10	2 ⁺	(E2)		
		1300.75# 9	56# 5	322.61	2 ⁺			
		1623.3#	#	0.0	0 ⁺	E0		
1711.75	(4) ⁺	314.2# 3	1.4# 5	1397.33	6 ⁺			
		437.13# 7	37# 3	1274.43	(2) ⁺	(E2)		
		439.6# 2	5.2# 14	1271.70	3 ⁺			
		915.2# 1	9.1# 10	796.16	4 ⁺	M1+E2+E0		
		1389.23# 7	100# 10	322.61	2 ⁺			
1725.40	2 ⁺	451.14# 7	100# 10	1274.43	(2) ⁺	M1,E2		
		453.55# 8	52# 5	1271.70	3 ⁺	M1+E2	4.2 38	B(M1)(W.u.)=4.E-6 +8-4; B(E2)(W.u.)=0.26 22

Adopted Levels, Gammas (continued)

γ(¹²⁰Xe) (continued)

E _i (level)	J ^π _i	E _γ [†]	I _γ [†]	E _f	J ^π _f	Mult. ^e	Comments
1725.40	2 ⁺	816.75 [#] 8	16.5 [#] 15	908.70	0 ⁺	(E2)	
		849.37 [#] 7	35 [#] 3	876.10	2 ⁺	M1+E2+E0	
		1402.76 [#] 8	60 [#] 5	322.61	2 ⁺	M1+E2+E0	
1745.31	+	869.31 [#] 8	64 [#] 6	876.10	2 ⁺	M1,E2	
		1422.65 [#] 8	100 [#] 9	322.61	2 ⁺		
1767.54	(2 ⁺ ,3,4 ⁺)	971.3 [#] 1	12.4 [#] 8	796.16	4 ⁺		
		1444.97 [#] 7	100 [#] 8	322.61	2 ⁺		
1816.98	(5) ⁺	415.60 [#] 9	19.2 [#] 23	1401.34	4 ⁺	M1,E2	E _γ ,I _γ : other: E _γ =417, I _γ <12 in (HI,xnγ).
		419.52 [#] 9	10.0 [#] 8	1397.33	6 ⁺		
		545.28 [@] 9	100 ^{&} 3	1271.70	3 ⁺	(E2)	
		1020.93 [@] 6	80 ^{&} 5	796.16	4 ⁺	(E2)	
1924.11	2 ⁺	649.84 [#] 9	100 [#] 10	1274.43	(2) ⁺		
		1015.3 [#] 1	57 [#] 5	908.70	0 ⁺		
		1047.4 ^{#h} 1	81 [#] 10	876.10	2 ⁺		
		1127.4 [#] 3	<28 [#]	796.16	4 ⁺		
1941.31	2 ⁺	667.53 ^{#h} 7	17 [#] 3	1274.43	(2) ⁺	M1,E2	
		669.50 [#] 8	54 [#] 4	1271.70	3 ⁺	M1,E2	
		1032.6 [#] 1	15.3 [#] 14	908.70	0 ⁺		
		1065.10 [#] 8	100 [#] 10	876.10	2 ⁺		
		1145.0 [#] 2	8.8 [#] 13	796.16	4 ⁺		
		1619.1 [#] 2	31 [#] 3	322.61	2 ⁺		
		1941.3 [#] 8	8.3 [#] 14	0.0	0 ⁺		
1982.49	(1,2 ⁺)	1105.6 [#] 5	1.7 [#] 6	876.10	2 ⁺		
		1659.9 [#] 1	31 [#] 5	322.61	2 ⁺		
		1981.6 ^{#h} 1	100 [#] 7	0.0	0 ⁺		
1985.63	6 ⁺	273.67 [#] 7	19.2 [#] 6	1711.75	(4) ⁺	(E2)	I _γ : weighted av from 1990MaYX and 1977Ge03.
		584.5 [@] 1	100 ^{&} 4	1401.34	4 ⁺	E2	
		588.53 [@] 12	40 ^c 14	1397.33	6 ⁺	M1,E2	
1995.07	2	1190.2 [#] 4	1.4 [#] 5	796.16	4 ⁺		
		371.9 [#] 1	1.8 [#] 3	1623.25	0 ⁺		
		723.1 [#] 2	2.1 [#] 3	1271.70	3 ⁺		
		1086.4 [#] 1	<13 [#]	908.70	0 ⁺		

Adopted Levels, Gammas (continued)

$\gamma(^{120}\text{Xe})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult. ^e	Comments
1995.07	2	1119.0 [#] 1	9.5 [#] 11	876.10	2 ⁺		
		1199.6 [#] 3	2.5 [#] 5	796.16	4 ⁺		
		1672.3 [#] 1	100 [#] 11	322.61	2 ⁺		
		1995.0 [#] 2	19.0 [#] 16	0.0	0 ⁺		
2050.56	(2 ⁺ ,3,4 ⁺)	109.10 [#] 9	3.6 [#] 4	1941.31	2 ⁺		
		776.5 [#] 2	4.1 [#] 6	1274.43	(2) ⁺		
		779.5 ^{g‡h} 1	<12 ^g	1271.70	3 ⁺		
		1175.6 [#] 3	<17 [#]	876.10	2 ⁺		
		1254.1 [#] 1	15.0 [#] 19	796.16	4 ⁺		
		1728.2 [#] 1	100 [#] 6	322.61	2 ⁺		
		2071.99	4 ⁺	346.6 [#] 1	13.0 [#] 10	1725.40	2 ⁺
		674.8 [#] 2	7.0 [#] 10	1397.33	6 ⁺		
		800.40 [#] 9	48 [#] 4	1271.70	3 ⁺	E2(+M1)	
		1195.80 [#] 9	47 [#] 4	876.10	2 ⁺		
		1276.3 [#] 2	100 [#] 20	796.16	4 ⁺		
		1748.9 [#] 2	35 [#] 3	322.61	2 ⁺		
2072.7		1276.9		796.16	4 ⁺		E _γ : a composite peak.
2099.20	8 ⁺	701.86 [@] 5	100	1397.33	6 ⁺	E2	B(E2)(W.u.)=97 17
2165.16	(2 ⁺ ,3,4 ⁺)	440.4 [#] 3	14 [#] 6	1725.40	2 ⁺		
		891.1 [#] 2	10.4 [#] 16	1274.43	(2) ⁺		
		893.4 [#] 1	15.7 [#] 20	1271.70	3 ⁺		
		1289.0 [#] 2	21.6 [#] 20	876.10	2 ⁺		
		1369.07 [#] 8	100 [#] 8	796.16	4 ⁺		
		1842.2 [#] 1	80 [#] 6	322.61	2 ⁺		
2186.80	(2,3,4)	245.7 [#] 6	1.8 [#] 11	1941.31	2 ⁺		
		785.6 [#] 1	26.7 [#] 22	1401.34	4 ⁺		
		912.2 [#] 1	31.1 [#] 22	1274.43	(2) ⁺		
		1310.82 [#] 9	71 [#] 7	876.10	2 ⁺		
		1864.1 [#] 1	100 [#] 7	322.61	2 ⁺		
2236.65	0 ⁺	312.7 [#] 2	100 [#]	1924.11	2 ⁺		
		613.2 [#]	#	1623.25	0 ⁺	E0	
		2236 [#]	#	0.0	0 ⁺	E0	
2242.13		968.0 [#] 2	21.3 [#] 13	1274.43	(2) ⁺		

Adopted Levels, Gammas (continued)

$\gamma(^{120}\text{Xe})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult. ^e	Comments
2242.13		1366.0 [#] 1	93 [#] 9	876.10	2 ⁺		
		1919.4 [#] 1	100 [#] 7	322.61	2 ⁺		
2272.68	(4 ⁻ ,5 ⁻)	455.9 [#] 3	5.3 [#] 11	1816.98	(5) ⁺		
		560.87 [#] 7	100 [#] 10	1711.75	(4) ⁺	(E1)	
		871.4 [#] 2	11.6 [#] 21	1401.34	4 ⁺		
		1001.0 [#] 2	9.5 [#] 11	1271.70	3 ⁺		
		1476.6 [#] 1	38 [#] 3	796.16	4 ⁺		
2295.10		583.1 [#] 1	100 [#] 18	1711.75	(4) ⁺		
		1023.6 [#] 2	41 [#] 6	1271.70	3 ⁺		
2402.12	(1,2) ⁺	460.4 [#] 2	9.7 [#] 16	1941.31	2 ⁺		
		634.5 [#] 2	8.2 [#] 15	1767.54	(2 ⁺ ,3,4 ⁺)		
		656.4 [#] 3	10 [#] 3	1745.31	⁺		
		779.58 ^{#h} 1	<31 ^g [#]	1623.25	0 ⁺		
		1127.4 [#] 3	<9.4 [#]	1274.43	(2) ⁺		
		1130.46 [#] 7	100 [#] 10	1271.70	3 ⁺	M1,E2	
		1494.4 [#] 3	18 [#] 5	908.70	0 ⁺		
		1526.1 [#] 1	39 [#] 3	876.10	2 ⁺		
		2079.3 [#] 1	66 [#] 5	322.61	2 ⁺		
		2402.6 [#] 3	27 [#] 5	0.0	0 ⁺		
2411.0	0 ⁺	2411 [#]	[#]	0.0	0 ⁺	E0	
2448.42	(3,4) ⁺	631.47 [#] 8	100 [#] 9	1816.98	(5) ⁺	M1,E2	
		1572.0 [#] 2	12.1 [#] 24	876.10	2 ⁺		
		1653.0 [#] 5	39 [#] 9	796.16	4 ⁺		
2460.88	7 ⁺	475.5 [#] 1	38 [#] 10	1985.63	6 ⁺		
		643.76 [@] 7	100 ^{&} 9	1816.98	(5) ⁺	E2	B(E2)(W.u.)=1.4×10 ² 8
		1063.71 [@] 19	33 ^d 3	1397.33	6 ⁺		
2495.2	(7 ⁻)	1098.7	100	1397.33	6 ⁺	(E1)	
2536.07		293.5 [#] 3	2.8 [#] 10	2242.13			
		1261.5 [#] 2	16 [#] 5	1274.43	(2) ⁺		
		1659.9 [#] 1	100 [#] 7	876.10	2 ⁺		
		2214.0 [#] 2	33 [#] 3	322.61	2 ⁺		
2544.8	(6 ⁻)	1147.8	100	1397.33	6 ⁺	D	
2637.59	(1,2 ⁺)	2315.0 [#] 1	100 [#] 7	322.61	2 ⁺		

Adopted Levels, Gammas (continued)

$\gamma(^{120}\text{Xe})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult. ^e	Comments
2637.59	(1,2 ⁺)	2636.9 [#] 4	27.1 [#] 17	0.0	0 ⁺		
2653.83	(8 ⁺)	668.2 [@] 1	100	1985.63	6 ⁺		
2669.5		1268.6	100	1401.34	4 ⁺	D	
2682.12		956.9 [#] 1	56 [#] 5	1725.40	2 ⁺		
		1407.5 [#] 1	59 [#] 7	1274.43	(2) ⁺		
		1806.0 [#] 2	100 [#] 7	876.10	2 ⁺		
2721.89	(3,4,5) ⁺	736.02 [#] 9	100 [#] 10	1985.63	6 ⁺	M1,E2	
		905.2 [#] 1	30.0 [#] 25	1816.98	(5) ⁺		
		1450.1 [#] 3	28 [#] 5	1271.70	3 ⁺		
2727.34	(4 ⁺ ,5,6 ⁺)	655.1 [#] 3	8 [#] 3	2071.99	4 ⁺		
		741.9 [#] 2	7 [#] 1	1985.63	6 ⁺		
		1329.87 [#] 8	52 [#] 4	1397.33	6 ⁺		
		1931.1 [#] 1	100 [#] 7	796.16	4 ⁺		
2728.5	(6 ⁻)	59.5	25 8	2669.5			
		183.8	25 8	2544.8	(6 ⁻)		
		656.2	100 25	2072.7			
		742.6	33 8	1985.63	6 ⁺		
		911.9	42 17	1816.98	(5) ⁺	D	
2812.68	(4)	826.7 [#] 3	21 [#] 3	1985.63	6 ⁺		
		1067.9 [#] 2	31 [#] 3	1745.31	+		
		1411.1 [#] 1	67 [#] 8	1401.34	4 ⁺		
		1538.4 [#] 1	100 [#] 10	1274.43	(2) ⁺		
		1936.4 [#] 4	36 [#] 5	876.10	2 ⁺		
2830.20	7 ⁻	732.4	3 1	2099.20	8 ⁺		
		1433.0 [#] 1	100 [#] 5	1397.33	6 ⁺	D	E _γ : other: 1434.0 l in ¹²⁰ Cs ε decay.
2830.95		731.6 [#] 2	66 [#] 15	2099.20	8 ⁺		
		759.1 [#] 2	100 [#] 17	2071.99	4 ⁺		
		846.4 ^{#h} 2	87 [#] 17	1985.63	6 ⁺		
2853.98		451.8 [#] 1	<183 [#]	2402.12	(1,2) ⁺		
		688.72 [#] 9	13.3 [#] 17	2165.16	(2 ⁺ ,3,4 ⁺)		
		1037.0 [#] 3	3.3 [#] 7	1816.98	(5) ⁺		
		1086.4 [#] 1	<20 [#]	1767.54	(2 ⁺ ,3,4 ⁺)		
		1142.33 [#] 8	38 [#] 3	1711.75	(4) ⁺		
		1452.69 [#] 8	100 [#] 8	1401.34	4 ⁺		

Adopted Levels, Gammas (continued)

$\gamma(^{120}\text{Xe})$ (continued)							
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult. ^e	Comments
2853.98		1581.2 ^{#h} 2	6.1 [#] 8	1271.70	3 ⁺		
		2056.7 ^{#h} 1	92 [#] 8	796.16	4 ⁺		
2872.70	10 ⁺	773.5 1	100	2099.20	8 ⁺	E2	B(E2)(W.u.)=92 15
2912.1		1516	100	1397.33	6 ⁺		
2930.0	(7 ⁻)	99.5	13 3	2830.20	7 ⁻	Q	
		1533.7	100 9	1397.33	6 ⁺	D	
2966.77		136.8 [#] 1	32 [#] 5	2830.20	7 ⁻		
		239.2 [#] 1	100 [#] 10	2727.34	(4 ⁺ ,5,6 ⁺)	M1,E2	
2966.84	(8 ⁻)	(38)		2930.0	(7 ⁻)		
		(56)		2912.1			
		136.6 [@] 1	51 3	2830.20	7 ⁻	D	
		239.4	100 14	2728.5	(6 ⁻)		
		472.7	<29	2495.2	(7 ⁻)		
		507.5	23 6	2460.88	7 ⁺	D	
2970.80	(9 ⁻)	476	31 4	2495.2	(7 ⁻)		
		871.6 1	100 3	2099.20	8 ⁺	(E1)	Mult.: $\Delta J=1$ with $\delta=0$ from $\gamma(\theta)$.
3003.4	(8 ⁻)	458.9	60 10	2544.8	(6 ⁻)	(E2)	
		507.7	50 10	2495.2	(7 ⁻)		
		904.5	100 10	2099.20	8 ⁺		
3075.7	(8 ⁻)	109.0	100 6	2966.84	(8 ⁻)		
		245.2	22 6	2830.20	7 ⁻		
3149.32	(9 ⁻)	73.5	19 5	3075.7	(8 ⁻)		
		182.5 1	87 9	2966.84	(8 ⁻)	(E2)	I_γ : from weighted av from 1994To05 and 1986Lo11 .
		219	2.9 15	2930.0	(7 ⁻)		
		319.1 1	100 3	2830.20	7 ⁻		I_γ : from weighted av from 1994To05 and 1986Lo11 .
3149.5		182.7	100	2966.77			
3174.11	9 ⁺	713.6	100 18	2460.88	7 ⁺	E2	B(E2)(W.u.)=1.5×10 ² 5
		1074.9 1	<23	2099.20	8 ⁺		
3280.7	(9 ⁻)	131.2	100	3149.32	(9 ⁻)		
3326.43	(10 ⁺)	672.6 1	100	2653.83	(8 ⁺)		
3357.21	(2 ⁺)	1590.6 [#] 3	6.4 [#] 11	1767.54	(2 ⁺ ,3,4 ⁺)		
		1632.0 [#] 3	31 [#] 3	1725.40	2 ⁺		
		2448.4 [#] 4	19 [#] 3	908.70	0 ⁺		
		2560.2 [#] 3	40 [#] 4	796.16	4 ⁺		
		3034.5 [#] 1	100 [#] 7	322.61	2 ⁺		
		3357.2 [#] 1	41 [#] 3	0.0	0 ⁺		
3383.34	(10 ⁻)	102.5	6.7 22	3280.7	(9 ⁻)		
		234.1	100 3	3149.32	(9 ⁻)		E_γ : doublet.

Adopted Levels, Gammas (continued)

$\gamma(^{120}\text{Xe})$ (continued)						
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Comments
3383.34	(10 ⁻)	416.5 1	79 3	2966.84	(8 ⁻)	
3470.91	(2 ⁺)	1175.6 [#] 1	<66 [#]	2295.10		
		1399.5 [#] 3	32 [#] 5	2071.99	4 ⁺	
		1848.2 [#] 2	44 [#] 5	1623.25	0 ⁺	
		2594.9 [#] 5	46 [#] 7	876.10	2 ⁺	
		3148.3 [#] 2	100 [#] 7	322.61	2 ⁺	
		3470.6 [#] 4	10.0 [#] 12	0.0	0 ⁺	
3535.4	(10 ⁻)	532.2	100 4	3003.4	(8 ⁻)	
		564.4	40 8	2970.80	(9 ⁻)	
3575.3	(10 ⁻)	191.8	100	3383.34	(10 ⁻)	Q
3591.69	(11 ⁻)	620.9 1	100 4	2970.80	(9 ⁻)	Q
		719.5	23 4	2872.70	10 ⁺	D
3648.44	(11 ⁻)	265.1 1	91 4	3383.34	(10 ⁻)	(D)
		499.1 1	100 4	3149.32	(9 ⁻)	(E2)
3676.51	12 ⁺	803.8 1	100	2872.70	10 ⁺	E2
3802.62	(2 ⁺)	1560.5 [#] 2	22 [#] 3	2242.13		B(E2)(W.u.)=83 13
		1566.1 [#] 2	19 [#] 3	2236.65	0 ⁺	
		2926.5 [#] 1	76 [#] 5	876.10	2 ⁺	
		3006.2 [#] 1	100 [#] 7	796.16	4 ⁺	
		3480.8 [#] 3	8.1 [#] 10	322.61	2 ⁺	
		3802.9 [#] 2	15.6 [#] 14	0.0	0 ⁺	
3852.4	(11 ⁻)	204.0	100	3648.44	(11 ⁻)	Q
3918.7	12 ⁺	242.0	37 7	3676.51	12 ⁺	D
		592.6	93 11	3326.43	(10 ⁺)	E2
		1046.1	100 11	2872.70	10 ⁺	
3933.9	(11 ⁺)	759.8	100	3174.11	9 ⁺	E2
3956.55	(12 ⁻)	308.1	100 3	3648.44	(11 ⁻)	D
		573.2 1	92 11	3383.34	(10 ⁻)	(E2)
4157.8	(12 ⁺)	481.1		3676.51	12 ⁺	D
		1285.2		2872.70	10 ⁺	
4167.5	(12 ⁻)	576 ^h	5 3	3591.69	(11 ⁻)	
		632.1	100 3	3535.4	(10 ⁻)	(E2)
4212.5	(12 ⁻)	256.2	100 20	3956.55	(12 ⁻)	
		637	100 20	3575.3	(10 ⁻)	
4292.66	(13 ⁻)	336.1 1	93 10	3956.55	(12 ⁻)	D
		644.3	100 10	3648.44	(11 ⁻)	Q
		702	<25	3591.69	(11 ⁻)	
4306.3	(13 ⁻)	657.5	5.9 9	3648.44	(11 ⁻)	

I_γ : from weighted av from [1994To05](#) and [1986Lo11](#).
 I_γ : from weighted av from [1994To05](#) and [1986Lo11](#).

Adopted Levels, Gammas (continued)

							$\gamma(^{120}\text{Xe})$ (continued)	
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult. ^e	Comments	
4306.3	(13 ⁻)	714.9	100 4	3591.69	(11 ⁻)	(E2)		
4313.12	(2 ⁺)	2127.4 [#] 4	28 [#] 4	2186.80	(2,3,4)			
		2911.4 [#] 2	100 [#] 7	1401.34	4 ⁺			
		3404.5 [#] 4	48 [#] 4	908.70	0 ⁺			
		3990.9 [#] 3	15.9 [#] 17	322.61	2 ⁺			
		4313.0 [#] 1	37 [#] 3	0.0	0 ⁺			
4458.92	14 ⁺	782.4 1	100	3676.51	12 ⁺	E2	B(E2)(W.u.)=80 12	
4557.7	(13 ⁻)	265	100 29	4292.66	(13 ⁻)			
		705 ^h	<57	3852.4	(11 ⁻)			
4608.4	(14 ⁺)	149.2	18 5	4458.92	14 ⁺	D		
		690.0	100 8	3918.7	12 ⁺			
		932	<25	3676.51	12 ⁺			
4664.45	(14 ⁻)	371.8 1	53 4	4292.66	(13 ⁻)	D	I _γ : from weighted av from 1994To05 and 1986Lo11.	
		707.9 1	100 4	3956.55	(12 ⁻)	(E2)	I _γ : from weighted av from 1994To05 and 1986Lo11.	
4695.9	(13 ⁺)	762	100	3933.9	(11 ⁺)			
4846.8	(14 ⁺)	387		4458.92	14 ⁺			
		690 ^h		4157.8	(12 ⁺)			
		1170.8		3676.51	12 ⁺			
4888.5	(14 ⁻)	721.0		4167.5	(12 ⁻)	(E2)		
4938.5	(14 ⁻)	274	100	4664.45	(14 ⁻)			
		726 ^h		4212.5	(12 ⁻)			
5059.1	(15 ⁻)	394.7	74 6	4664.45	(14 ⁻)	D		
		766.5	100 6	4292.66	(13 ⁻)	(E2)		
5085.2	(15 ⁻)	778.8 1	100 5	4306.3	(13 ⁻)	(E2)		
		792.7	3.7 12	4292.66	(13 ⁻)			
5232.3	16 ⁺	773.6	100	4458.92	14 ⁺	E2	B(E2)(W.u.)=1.2×10 ² 4	
5405.9	(16 ⁺)	797.5	100	4608.4	(14 ⁺)	E2	B(E2)(W.u.)=1.1×10 ² 5	
5479.7	(16 ⁻)	420.8	65 8	5059.1	(15 ⁻)	D		
		815.1	100 8	4664.45	(14 ⁻)	(E2)		
5636.9	(16 ⁺)	789.8	100 25	4846.8	(14 ⁺)	(E2)	B(E2)(W.u.)=5.E+1 3	
		1178.0	100 17	4458.92	14 ⁺	(E2)	B(E2)(W.u.)=7 4	
5691.8	(16 ⁻)	803.3	100	4888.5	(14 ⁻)	(E2)		
5919.9	(17 ⁻)	440.1	38 7	5479.7	(16 ⁻)	D		
		860.9	100 10	5059.1	(15 ⁻)	(E2)		
5928.9	(17 ⁻)	843.7 1	100	5085.2	(15 ⁻)	(E2)		
6051.0	18 ⁺	818.7	100	5232.3	16 ⁺	E2	B(E2)(W.u.)=1.7×10 ² 3	
6339.0	(18 ⁺)	933	100	5405.9	(16 ⁺)	(E2)	B(E2)(W.u.)=103 24	
6382.5	(18 ⁻)	462.5	88 25	5919.9	(17 ⁻)	D		
		902.8	100 25	5479.7	(16 ⁻)	(E2)		

Adopted Levels, Gammas (continued)

$\gamma(^{120}\text{Xe})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult. ^e	Comments
6457.1	(18 ⁺)	820 1225	100 18 64 27	5636.9 (16 ⁺) 5232.3 16 ⁺			
6574.5	(18 ⁻)	882.7	100	5691.8 (16 ⁻)	(E2)		
6833.5	(19 ⁻)	904.6	100	5928.9 (17 ⁻)	(E2)		
6862.6	(19 ⁻)	480.1 942.6	50 14 100 21	6382.5 (18 ⁻) 5919.9 (17 ⁻)			
6955.4	20 ⁺	904.4	100	6051.0 18 ⁺	E2	B(E2)(W.u.)=2.2×10 ² 6	
7320.0	(20 ⁺)	864 ^h 981	<167 100 33	6457.1 (18 ⁺) 6339.0 (18 ⁺)			
7363.7?	(20 ⁻)	500 ^h 980 ^h	<71 100 36	6862.6 (19 ⁻) 6382.5 (18 ⁻)	D		
7427.5?	(20 ⁺)	1088 ^h		6339.0 (18 ⁺)			
7511.8	(20 ⁻)	937.3	100	6574.5 (18 ⁻)			
7798.5	(21 ⁻)	965.0	100	6833.5 (19 ⁻)	(E2)		
7877.7?	(21 ⁻)	1014 ^h	100	6862.6 (19 ⁻)			
7955.1	22 ⁺	999.7	100	6955.4 20 ⁺	E2	B(E2)(W.u.)=1.8×10 ² 8	
8467	(22 ⁻)	955	100	7511.8 (20 ⁻)	(E2)		
8810.2	(23 ⁻)	1011.7	100	7798.5 (21 ⁻)			
9051.1	(24 ⁺)	1096	100	7955.1 22 ⁺	(E2)		
9483	(24 ⁻)	1016	100	8467 (22 ⁻)			
9875.2	(25 ⁻)	1065	100	8810.2 (23 ⁻)			
10241.1	(26 ⁺)	1190	100	9051.1 (24 ⁺)			
10643.1?	(26 ⁻)	1160 ^h	100	9483 (24 ⁻)			
11002.2	(27 ⁻)	1127	100	9875.2 (25 ⁻)			
11524	(28 ⁺)	1283	100	10241.1 (26 ⁺)			
12150.4?	(29 ⁻)	1147 ^h	100	11002.2 (27 ⁻)			

[†] From (HI,xn γ), unless otherwise noted.

[‡] From ¹²⁰Cs ϵ decay.

From ¹²⁰Cs ϵ decay, but not observed in (HI,xn γ).

@ Weighted av from ¹²⁰Cs ϵ decay and (HI,xn γ).

& From weighted av from ¹²⁰Cs ϵ decay (1990MaYX,1977Ge03) and (HI,xn γ) (1994To05,1986Lo11).

^a From weighted av from ¹²⁰Cs ϵ decay (1990MaYX) and (HI,xn γ) (1994To05,1986Lo11).

^b From weighted av from ¹²⁰Cs ϵ decay (1990MaYX) and (HI,xn γ) (1994To05).

^c From weighted av from ¹²⁰Cs ϵ decay (1990MaYX,1977Ge03) and (HI,xn γ) (1994To05,1986Lo11).

^d From weighted av from ¹²⁰Cs ϵ decay (1990MaYX,1977Ge03) and (HI,xn γ) (1994To05).

^e From $\alpha(K)\text{exp}$ in ¹²⁰Cs ϵ decay, from DCO ratio and $\gamma(\theta)$ in (HI,xn γ), and from placement in level scheme.

Adopted Levels, Gammas (continued) $\gamma(^{120}\text{Xe})$ (continued)

^f From ^{120}Cs ε decay.

^g Multiply placed with intensity suitably divided.

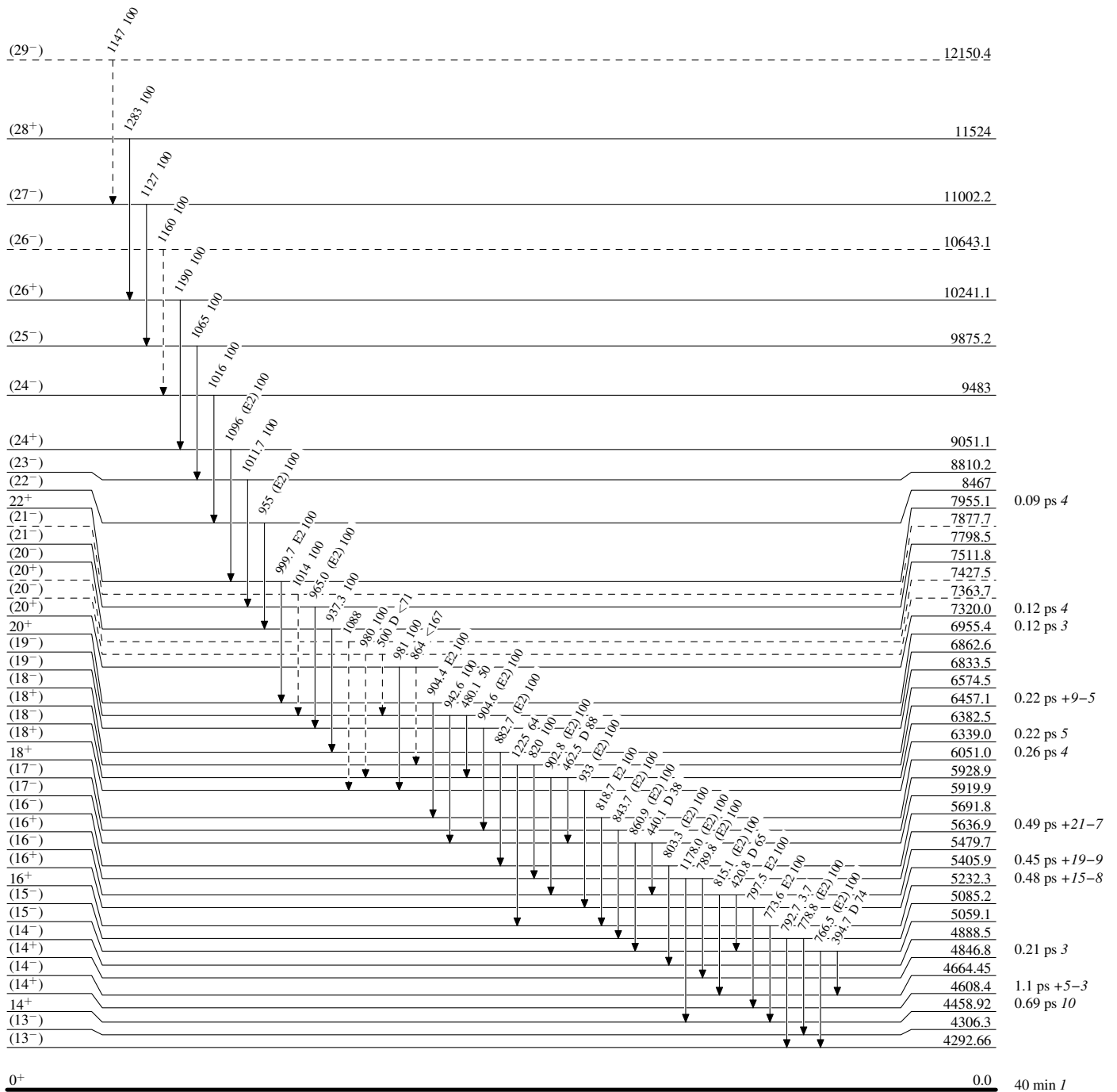
^h Placement of transition in the level scheme is uncertain.

Adopted Levels, Gammas

Legend

Level Scheme

Intensities: Relative photon branching from each level

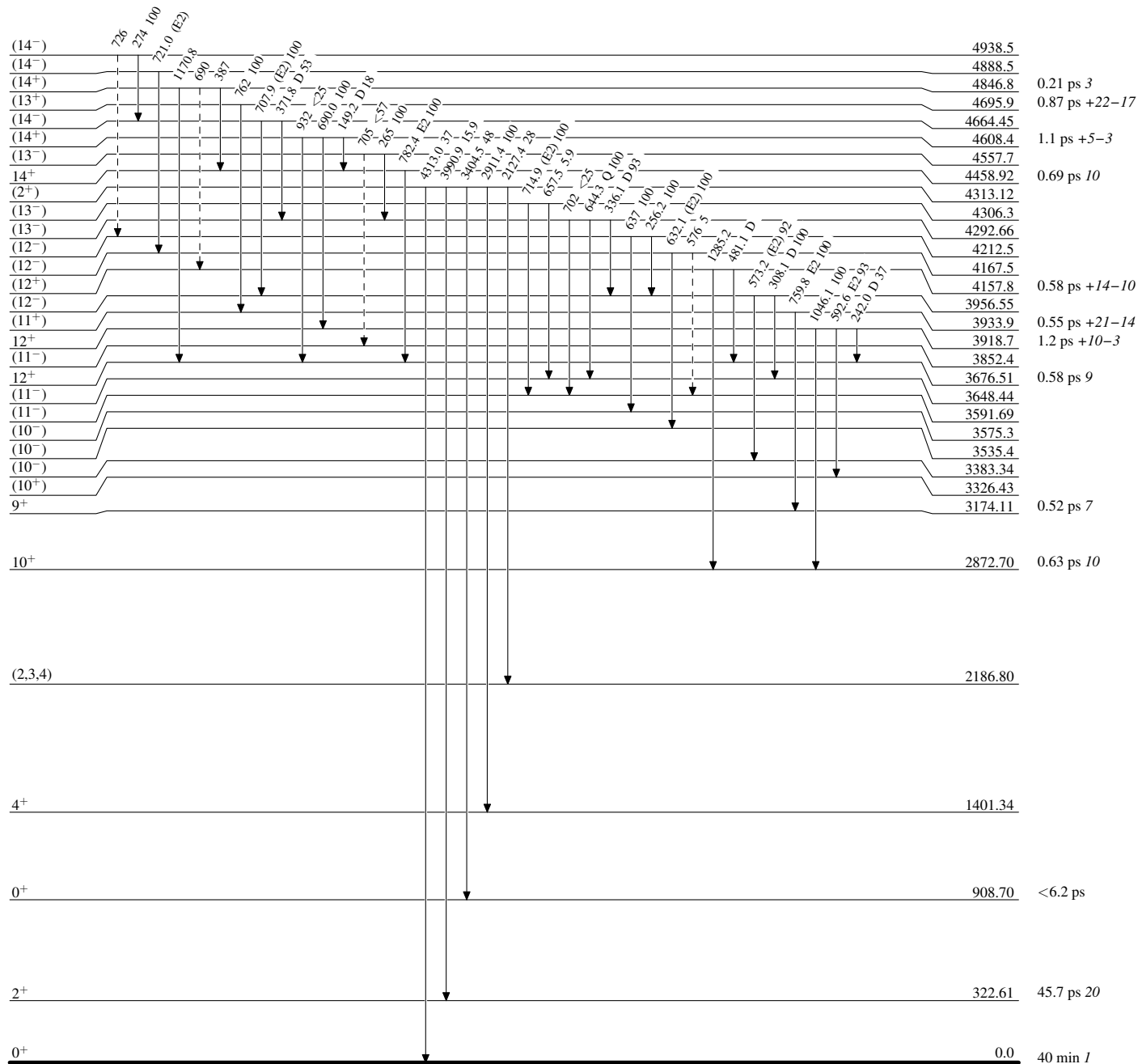
-----> γ Decay (Uncertain)

Adopted Levels, Gammas

Legend

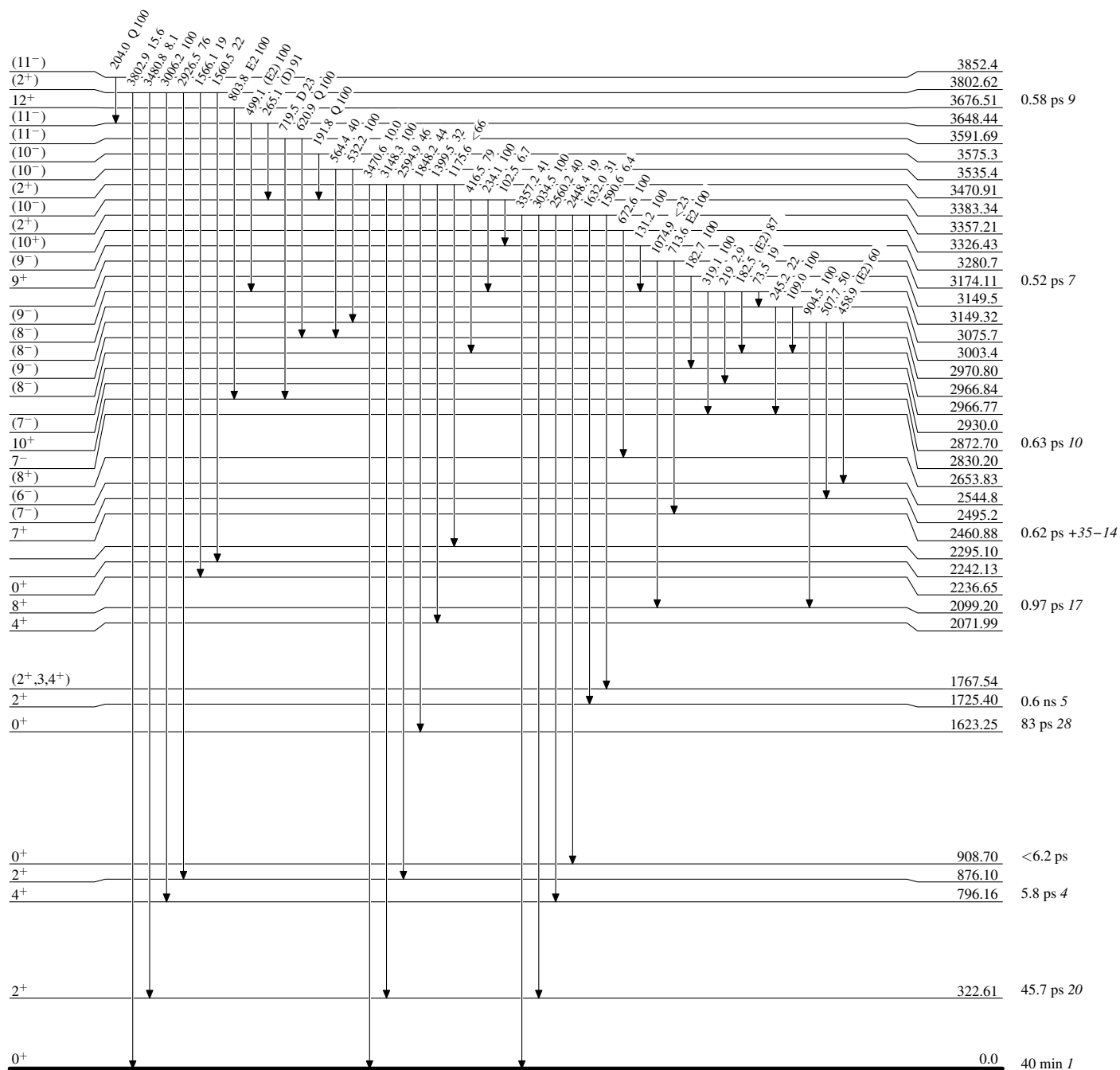
Level Scheme (continued)

Intensities: Relative photon branching from each level

-----▶ γ Decay (Uncertain) $^{120}_{54}\text{Xe}_{66}$

Adopted Levels, Gammas**Level Scheme (continued)**

Intensities: Relative photon branching from each level

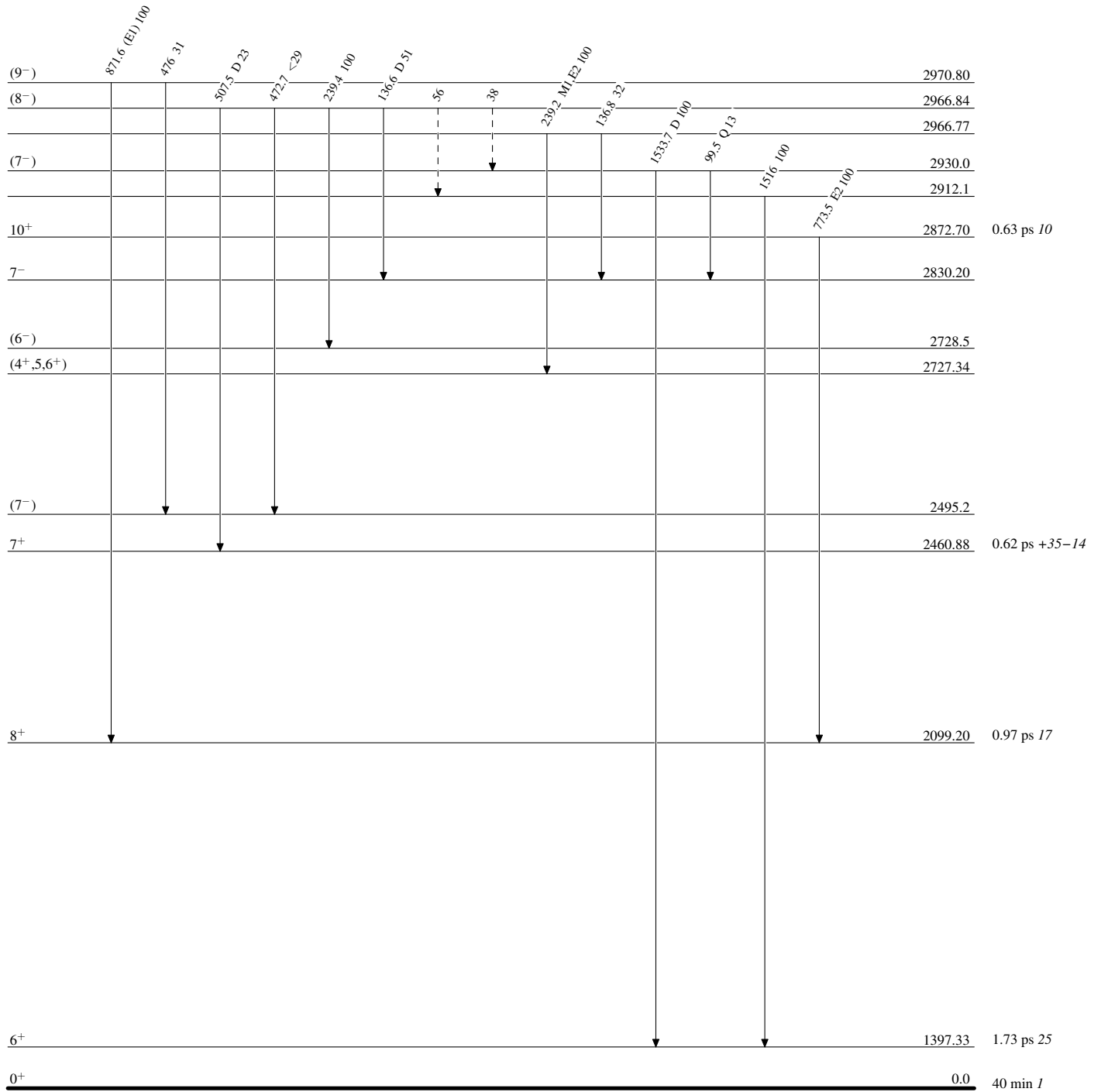
 $^{120}_{54}\text{Xe}_{66}$

Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

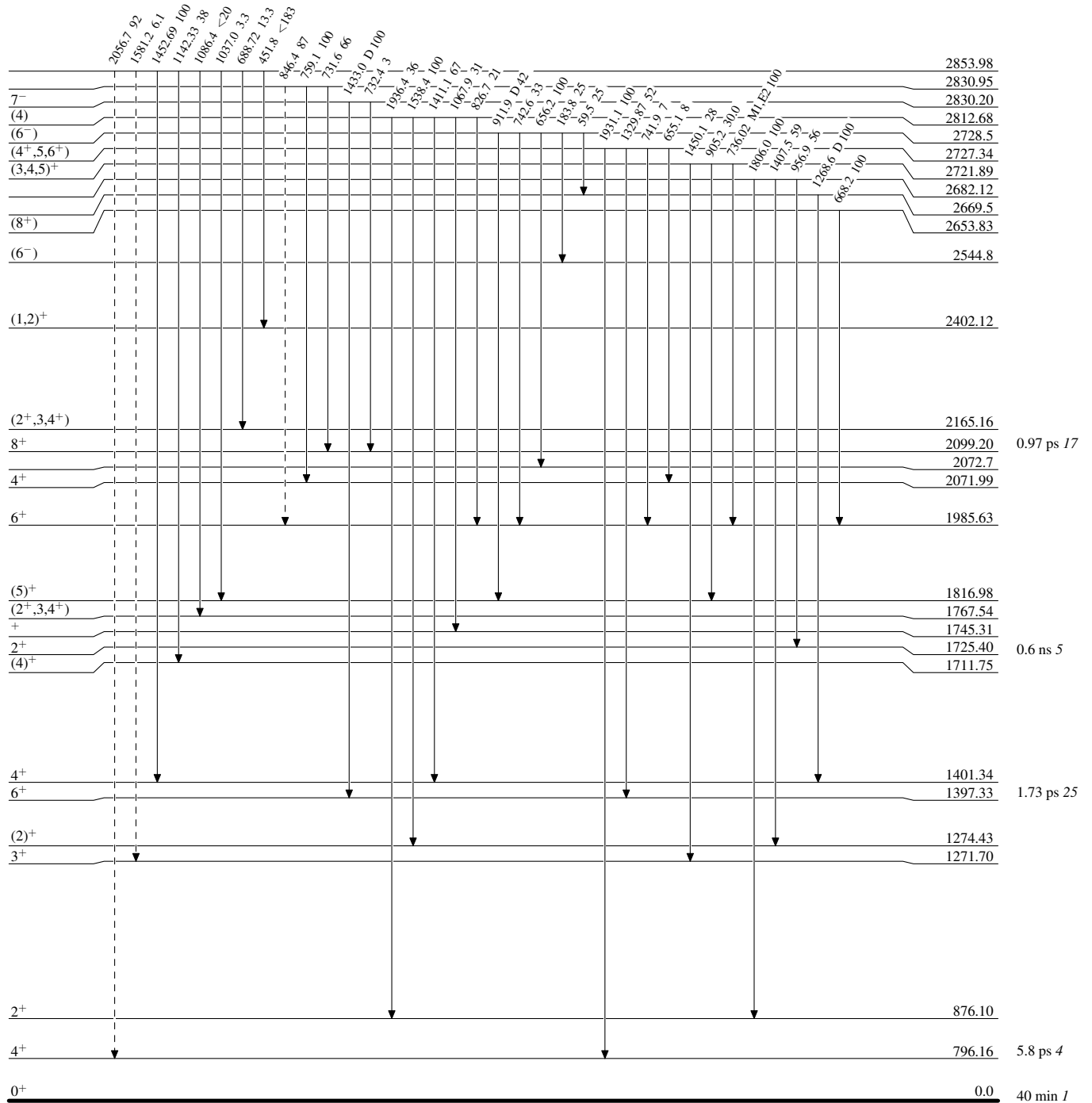
-----▶ γ Decay (Uncertain) $^{120}_{54}\text{Xe}_{66}$

Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

-----▶ γ Decay (Uncertain) $^{120}_{54}\text{Xe}_{66}$

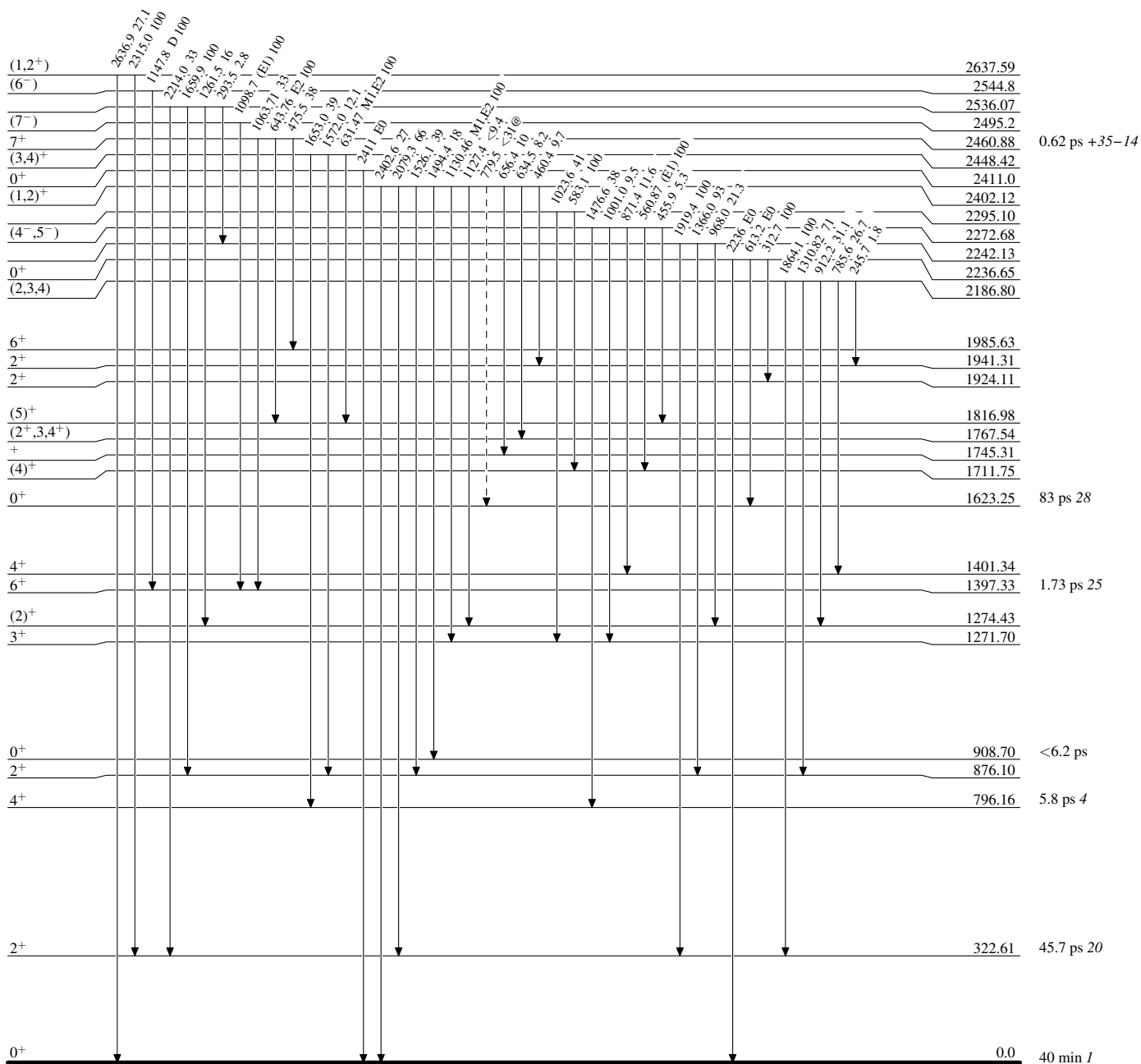
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

@ Multiply placed: intensity suitably divided

-----▶ γ Decay (Uncertain) $^{120}_{54}\text{Xe}_{66}$

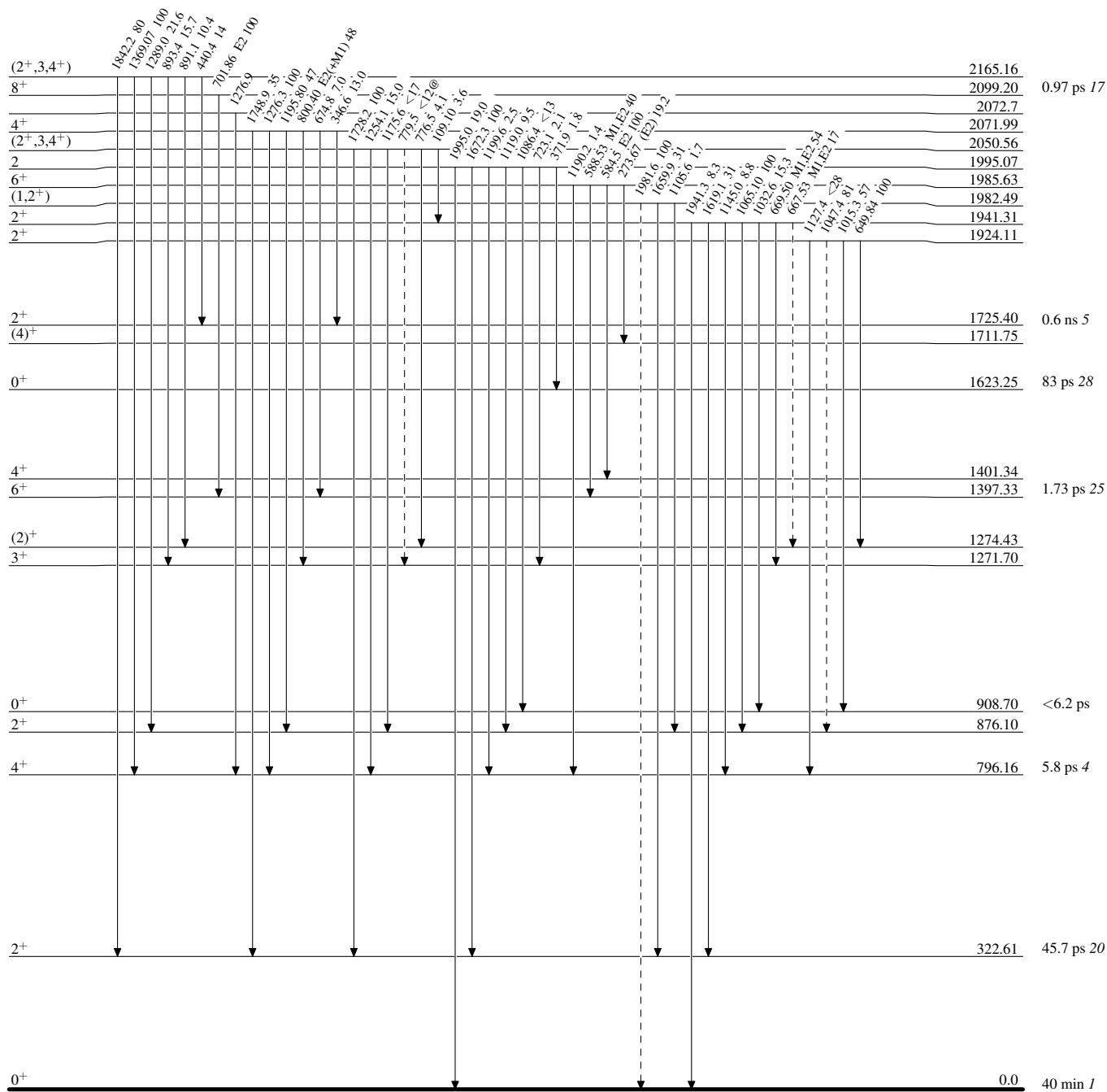
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
 @ Multiplied: intensity suitably divided

-----▶ γ Decay (Uncertain)

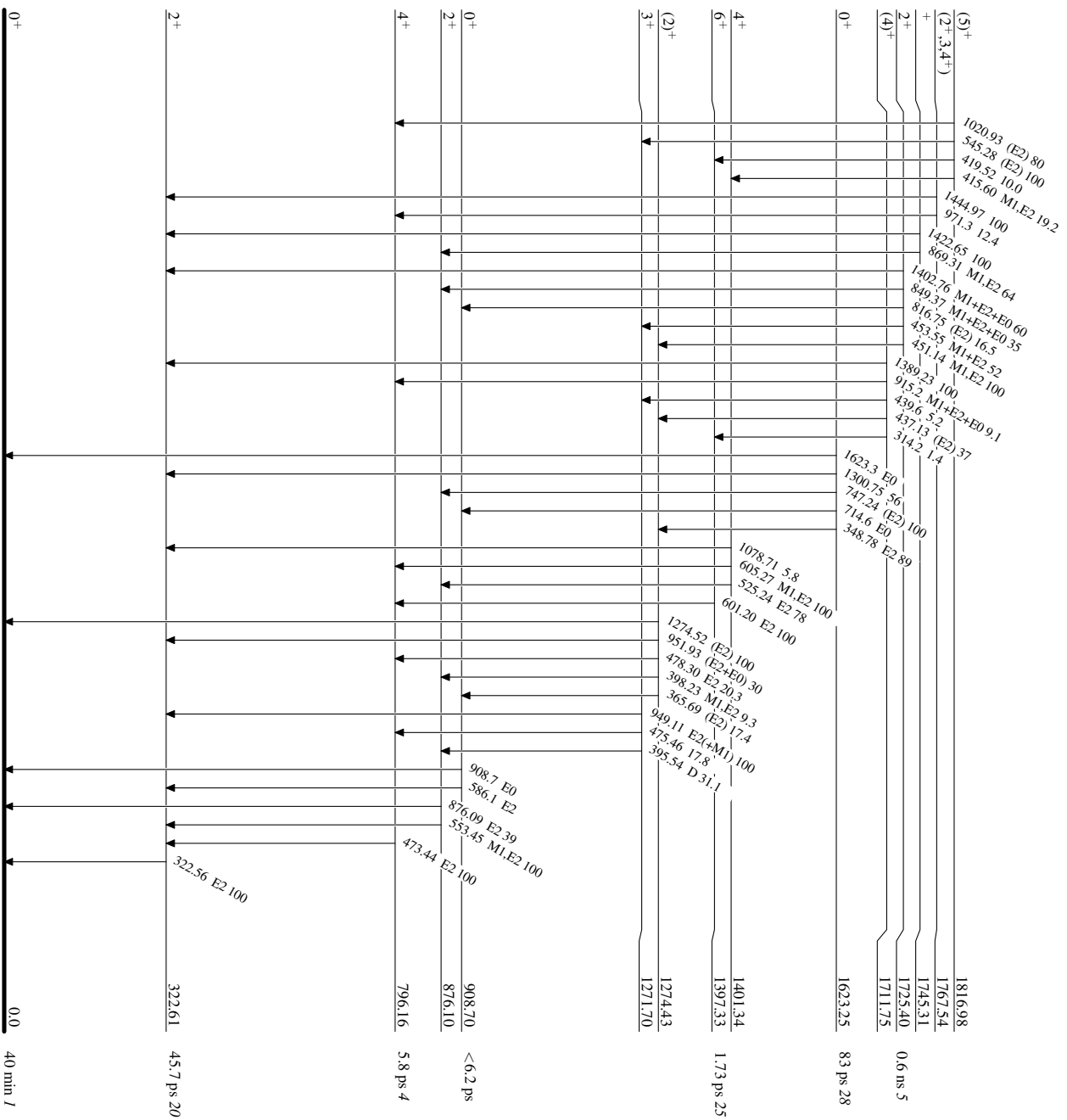


$^{120}_{54}\text{Xe}_{66}$

Adopted Levels, Gammas

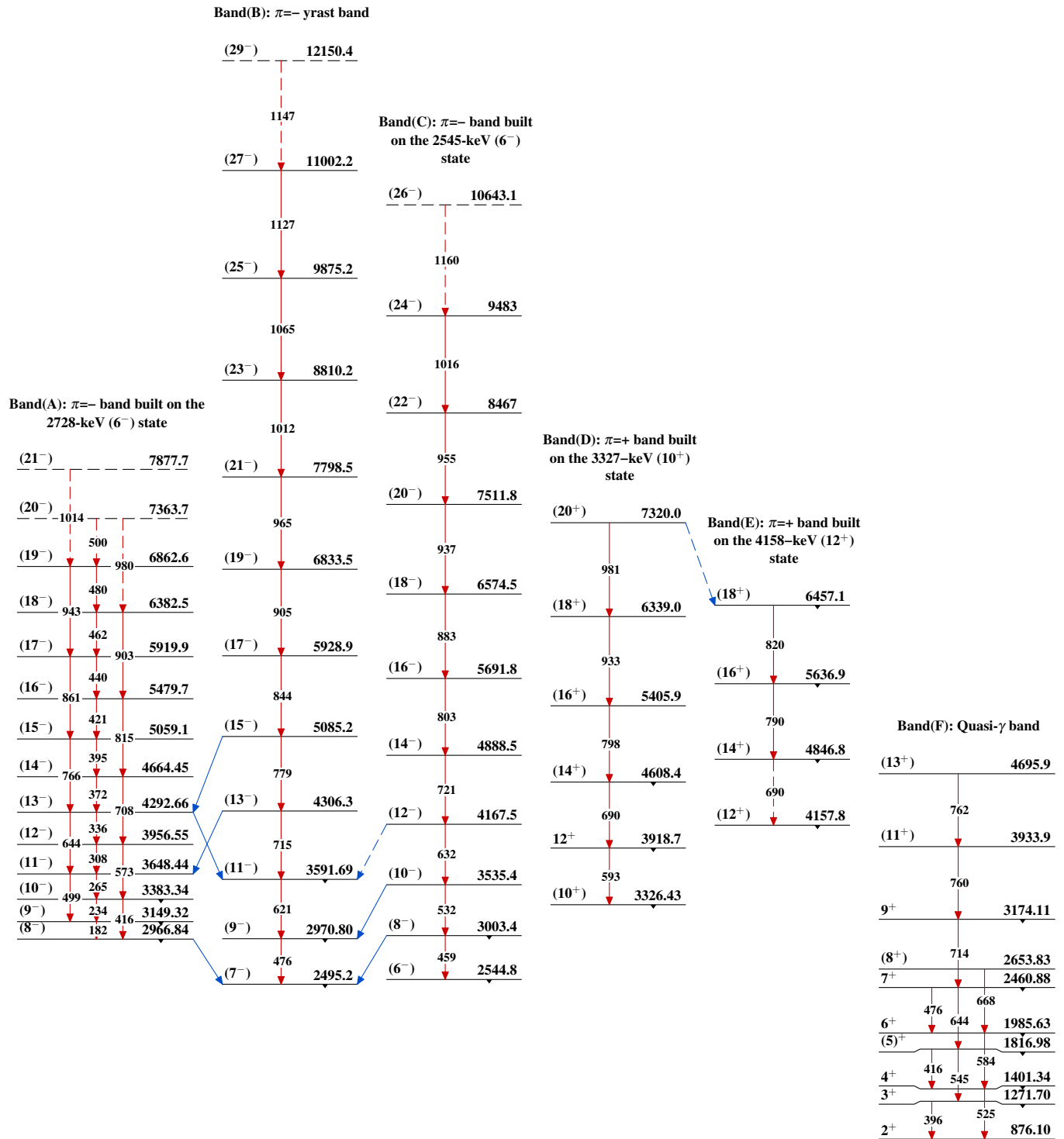
Level Scheme (continued)

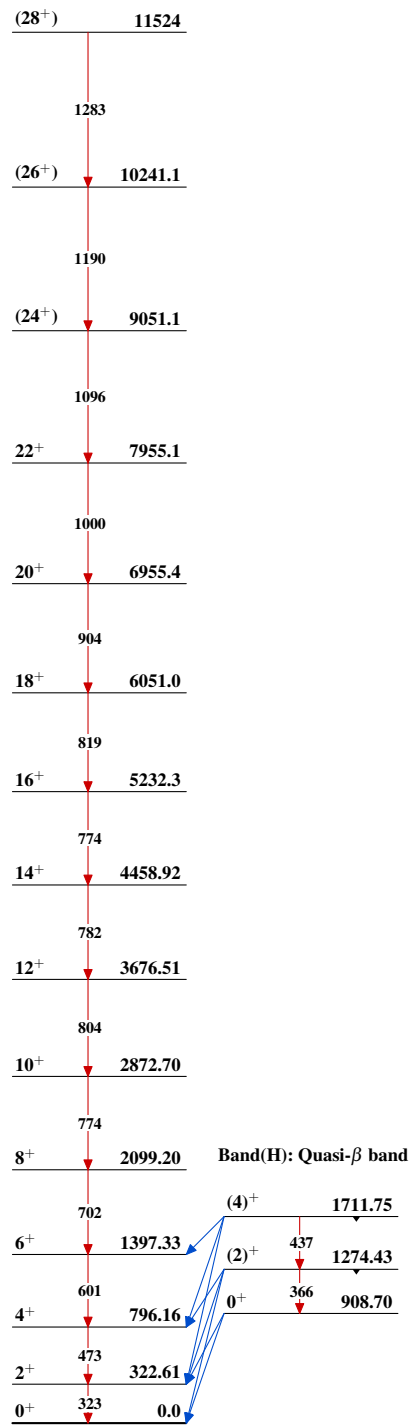
Intensities: Relative photon branching from each level
 @ Multiply placed: intensity suitably divided



$^{120}\text{Xe}_{66}$
 $^{54}\text{Xe}_{66}$

Adopted Levels, Gammas



Adopted Levels, Gammas (continued)Band(G): $\pi=+$ yrast band $^{120}_{54}\text{Xe}_{66}$