Adopted Levels, Gammas

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Janos Timar and Zoltan Elekes, Balraj Singh	NDS 121, 143 (2014)	31-May-2014

Q(β^-)=189 *3*; S(n)=8840 *5*; S(p)=6802 *3*; Q(α)=−2676 *4* 2012Wa38
S(2n)=15666 *5*, S(2p)=16386 *6* (2012Wa38).
^{129}I identified by 1949Pa19, 1949Li09 and 1951Ka16; also an earlier preliminary report by S. Katcoff in Phys. Rev. 71, 826 (1947). Later studies of ^{129}I decay: 1985Ba73, 1977Ra23, 1965Wa13, 1954De17.

^{129}I Levels

Cross Reference (XREF) Flags

A	^{129}Te β^- decay (69.6 min)	E	^{129}I(γ,γ):Mossbauer
B	^{129}Te β^- decay (33.6 d)	F	Coulomb excitation
C	^{124}Sn(^{7}Li,2nγ)	G	^{128}Te(^{3}He,d)
D	^{128}Te(p,p),(p,p′) IAR	H	^{128}Te(α,t)

E(level)†	J$^\pi$‡	T$_{1/2}$	XREF	Comments
0.0	7/2$^+$	1.57×10^7 y *4*	ABC EFGH	%β^-=100 μ=+2.6210 *3* (1951Wa12,2014StZZ) Q=−0.488 *8* (1953Li16,2013StZZ,2014StZZ) μ: From NMR (1951Wa12). Q: quadrupole resonance, microwave absorption (1953Li16). Value recommended in 2013StZZ evaluation based on original value of −0.553 from 1953Li16. Others: −0.498 *7* (2001Bi17, re-evaluated from measured Q(^{129}I)/Q(^{127}I)=0.701213 *15* (1953LI16)); −0.482 *10* (reanalysis of Q$_2$ for ^{127}I by 2000Ha64). J$^\pi$: spin from microwave spectroscopy (1949Li09). Parity from L(^{3}He,d)=4. T$_{1/2}$: from specific activity (1972Em01). Others: 1.97×10^7 y 14 (1973Ku17), 1.56×10^7 y *6* (1957Ru65), 1.72×10^7 y *9* (1951Ka16), 3.0×10^7 y (1949Pa19), ≈10^8 y (S. Katcoff, Phys. Rev. 71, 826 (1947).
27.793 *20*	5/2$^+$	16.8 ns *2*	ABC EFGH	μ=+2.8045 *26* (1981De35,2014StZZ) Q=−0.604 *10* (1972Ro41,2013StZZ,2014StZZ) μ: Mossbauer effect (1981De35). Q: Mossbauer effect, value recommended by 2013StZZ evaluation based on original value of −0.685 from 1972Ro41. Others: −0.616 *9* (2001Bi17, re-evaluated data from 1972Ro41); −0.598 *13* (reanalysis of 1972Ro41 data and Q$_2$ for ^{127}I by 2000Ha64); −0.42 *2* (1987Gr28, Mossbauer effect measurement). J$^\pi$: L(^{3}He,d)=2; M1+E2 γ to 7/2$^+$. T$_{1/2}$: from (β)(0.0278 ce(L))(t) (1966Sa06). Others (from $\beta\gamma$(t) or $\gamma\gamma$(t)): 16.4 ns *11* (1965Pa04), 14.4 ns *5* (1964Ka09), 14.4 ns *7* (1964Jh02), 15.9 ns *13* (1963Go17), 18.6 ns *11* (1962De18).
278.381 *23*	3/2$^+$	0.104 ns *12*	AB FGH	J$^\pi$: L(^{3}He,d)=2; E2 γ to 7/2$^+$; γ from 1/2$^+$. T$_{1/2}$: from delayed γ (1969BoZR). 0.27 ns is deduced from B(E2) in Coulomb ex.
487.346 *25*	5/2$^+$	11.6 ps *27*	AB FGH	J$^\pi$: L(^{3}He,d)=2; M1+E2 gammas to 7/2$^+$, 5/2$^+$ and 3/2$^+$. T$_{1/2}$: deduced by compilers from B(E2)(↑)=0.016 *3* in Coulomb excitation. Other: 0.05 ns (from γ(t),1969BoZR).
559.61 *3*	1/2$^+$		A GH	J$^\pi$: L(^{3}He,d)=0.
695.89 *5*	11/2$^+$	4.3 ps *5*	BC F	J$^\pi$: ΔJ=2, (E2) g to 7/2$^+$; Coulomb excited; population in (^{7}Li,2nγ) supports 11/2 over 3/2. T$_{1/2}$: deduced by compilers from B(E2)=0.122 *13* in Coulomb ex.

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Adopted Levels, Gammas (continued)

^{129}I Levels (continued)

E(level)†	Jπ‡	$T_{1/2}$	XREF	Comments
729.57 *3*	(9/2)$^+$	3.8 ps *4*	ABC F	Jπ: log *ft*=9.9 from 11/2$^-$; M1+E2 γ to 7/2$^+$. $T_{1/2}$: deduced by compilers from B(E2)=0.078 *8* in Coul. ex.
768.75 *3*	(7/2)$^+$		AB F	Jπ: log $f^{1u}t$=11.6 from 11/2$^-$; M1+E2 γ to 5/2$^+$.
829.91 *3*	3/2$^+$,5/2$^+$		A F	Jπ: log *ft*=7.2 from 3/2$^+$; Coulomb excited.
844.82 *3*	(7/2)$^+$		ABC F H	Jπ: log $f^{1u}t$=11.9 from 11/2$^-$; M1+E2 γ to 5/2$^+$; Coulomb excited. J=(9/2) proposed in (^{7}Li,2nγ) is inconsistent with M1+E2 G to 5/2$^+$.
1047.35 *4*	3/2$^+$,5/2$^+$		A GH	XREF: G(1052). Jπ: L(^{3}He,d)=2.
1050.21 *3*	(7/2)$^+$		AB F	Jπ: log $f^{1u}t$=10.6 from 11/2$^-$; M1+E2 γ to 5/2$^+$.
1111.645 *25*	5/2$^+$		A GH	Jπ: L(^{3}He,d)=2; M1+E2 gammas to 7/2$^+$.
1196.65 *13*			A	
1203.71 *9*	(7/2$^+$)		B	Jπ: log $f^{1u}t$=11.8 from 11/2$^-$; gammas to 7/2$^+$ and 3/2$^+$.
1209.80 *10*	1/2$^+$		A GH	Jπ: L(^{3}He,d)=0.
1260.65 *3*	3/2$^+$,5/2$^+$		A GH	Jπ: L(^{3}He,d)=2.
1281.99 *4*	(7/2$^+$)		B H	Jπ: log $f^{1u}t$=11.4 from 11/2$^-$; γ to 3/2$^+$.
1291.94 *4*	(3/2$^+$,5/2$^+$)		A	Jπ: log *ft*=6.3 from 3/2$^+$; gammas to 1/2$^+$ and 7/2$^+$.
1376.2 *2*	(13/2$^+$)		C	Jπ: ΔJ=2, Q γ to (9/2)$^+$; ΔJ=1 γ to 11/2$^+$.
1401.43 *3*	(9/2)$^-$		BC GH	Jπ: L(α,t)=5; ΔJ=1, dipole γ to (7/2)$^+$. J=(11/2) proposed in (^{7}Li,2nγ) is not likely with (7/2) assignment for 845 level.
1469.7 *3*	(15/2$^+$)		C	Jπ: ΔJ=2, Q γ to 11/2$^+$.
1483 *5*	1/2$^+$		GH	Jπ: L(^{3}He,d)=0.
1521 *6*	(7/2 to 11/2)		H	Jπ: L(α,t)=(4,5).
1566 *10*	3/2$^+$,5/2$^+$		GH	XREF: H(1569). Jπ: L(^{3}He,d)=2.
1621 *10*	3/2$^+$,5/2$^+$		GH	XREF: H(1619). Jπ: L(^{3}He,d)=2.
1666.9 *4*	(13/2$^+$)		C	Jπ: ΔJ=(2) γ to (9/2)$^+$.
1741 *10*			GH	E(level): possible doublet. L(^{3}He,d)=0; L(α,t)=(4+0).
1823 *10*	1/2$^+$		G	Jπ: L(^{3}He,d)=0.
1833.5 *3*	(15/2$^+$)		C	Jπ: ΔJ=1 γ to (13/2$^+$); γ to (15/2)$^+$.
1850.2 *4*	(15/2)		C	Jπ: gammas to (13/2$^+$) and (15/2$^+$).
1861 *10*	3/2$^+$,5/2$^+$		GH	XREF: H(1867). Jπ: L(^{3}He,d)=2.
1909 *8*			H	
1940 *8*			H	
1963 *10*			GH	
2002 *8*			H	
2012 *10*	1/2$^+$		G	Jπ: L(^{3}He,d)=0.
2026 *8*			H	
2050 *8*			H	
2073 *10*	3/2$^+$,5/2$^+$		GH	XREF: H(2071). Jπ: L(^{3}He,d)=2.
2099.3 *5*	(17/2$^+$)		C	Jπ: ΔJ=1 γ to (15/2$^+$).
2150 *8*			H	
2208 *10*	1/2$^+$		G	Jπ: L(^{3}He,d)=0.
2324.7 *4*	(19/2$^+$)		C	Jπ: ΔJ=2 γ to (15/2$^+$).
2400 *10*	1/2$^+$		G	Jπ: L(^{3}He,d)=0.
2529.6 *5*			C	Jπ: γ to (19/2$^+$) suggests 19/2, 21/2, 23/2$^+$.
2569? *1*			C	
2590 *20*	1/2$^+$		G	Jπ: L(^{3}He,d)=0.
2633.1 *4*	(23/2$^+$)		C	Jπ: ΔJ=2 γ to (19/2$^+$).
2790 *20*	1/2$^+$		G	Jπ: L(^{3}He,d)=0.
2850 *20*	3/2$^+$,5/2$^+$		G	Jπ: L(^{3}He,d)=2.
2882.3 *7*			C	
2910 *20*	1/2$^+$		G	Jπ: L(^{3}He,d)=0.
2924? *1*			C	

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Adopted Levels, Gammas (continued)

^{129}I Levels (continued)

E(level)†	Jπ‡	XREF	Comments
2933.8 *5*	(25/2$^+$)	C	Jπ: ΔJ=1 γ to (23/2$^+$).
2950 *20*	1/2$^+$	G	Jπ: L(^{3}He,d)=0.
3200 *20*	1/2$^+$	G	Jπ: L(^{3}He,d)=0.
3250 *20*	1/2$^+$	G	Jπ: L(^{3}He,d)=0.
3350 *20*	1/2$^+$	G	Jπ: L(^{3}He,d)=0.
3408? *1*		C	
3450 *20*	1/2$^+$	G	Jπ: L(^{3}He,d)=0.
14666 *20*	3/2$^+$,5/2$^+$	D	Jπ: L=2 in (p,p′) IAR.
14854 *20*	1/2$^+$	D	Jπ: L=0 in (p,p′) IAR.
15643 *20*	3/2$^+$,5/2$^+$	D	Jπ: L=2 in (p,p′) IAR.
15969 *20*	3/2$^+$,5/2$^+$	D	Jπ: L=2 in (p,p′) IAR.
16759 *20*	5/2$^-$,7/2$^-$	D	Jπ: L=3 in (p,p′) IAR.
16869 *20*	5/2$^-$,7/2$^-$	D	Jπ: L=3 in (p,p′) IAR.
16915 *25*	1/2$^-$,3/2$^-$	D	Jπ: L=1 in (p,p′) IAR.
16998 *20*	1/2$^-$,3/2$^-$	D	Jπ: L=1 in (p,p′) IAR.
17344 *20*	1/2$^-$,3/2$^-$	D	Jπ: L=1 in (p,p′) IAR.
17622 *20*	(5/2$^-$,7/2$^-$)	D	Jπ: L=(3) in (p,p′) IAR.
18409 *20*	1/2$^-$,3/2$^-$	D	Jπ: L=1 in (p,p′) IAR.

† From least-squares fit to the adopted Eγ values for levels populated in γ-ray studies. For others weighted averages are taken.
‡ For levels populated in high-spin studies, ascending order of spins with excitation energy is assumed based on yrast pattern of population.

$\gamma(^{129}I)$

E_i(level)	J^{π}_i	E_γ†	I_γ†	E_f	J^{π}_f	Mult.†	δ†	α‡	Comments
27.793	5/2+	27.81 5	100	0.0	7/2+	M1+E2	−0.053 3	5.07 11	α(L)=4.06 9; α(M)=0.825 18; α(N)=0.165 4; α(O)=0.0186 4 B(M1)(W.u.)=0.01001 23; B(E2)(W.u.)=24 3 δ: from L1/L2/L3 ratio in ^{129}Te decay (1965Be26) and δ=−0.045 14 (from ratio of lines in Mossbauer spectrum (1970De37). See 1970Va06 for possible penetration effects for 27.81γ.
278.381	3/2+	250.62 5	68 2	27.793	5/2+	M1+E2	+0.56 +16−12	0.0628 16	α(K)=0.0534 11; α(L)=0.0076 5; α(M)=0.00153 9 α(N)=0.000308 18; α(O)=3.49×10^{-5} 15 B(M1)(W.u.)=0.0039 8; B(E2)(W.u.)=13 6
		278.43 5	100 3	0.0	7/2+	E2		0.0512	B(E2)(W.u.)=47 6 α(K)=0.0422 6; α(L)=0.00723 11; α(M)=0.001483 21 α(N)=0.000293 5; α(O)=3.12×10^{-5} 5
487.346	5/2+	208.96 5	2.34 7	278.381	3/2+	M1+E2	−0.18 4	0.0983 15	α(K)=0.0844 13; α(L)=0.01110 20; α(M)=0.00224 4 α(N)=0.000452 8; α(O)=5.27×10^{-5} 9 B(M1)(W.u.)=0.0039 10; B(E2)(W.u.)=1.9 10
		459.60 5	100 3	27.793	5/2+	M1+E2	−0.08 +4−5	0.01259	α(K)=0.01089 16; α(L)=0.001369 20; α(M)=0.000275 4 α(N)=5.57×10^{-5} 8; α(O)=6.56×10^{-6} 10 B(M1)(W.u.)=0.016 4; B(E2)(W.u.)=0.3 +4−3
		487.39 5	18.4 6	0.0	7/2+	M1+E2	+0.50 +17−10	0.01057 24	α(K)=0.00911 22; α(L)=0.001169 18; α(M)=0.000235 4 α(N)=4.75×10^{-5} 8; α(O)=5.55×10^{-6} 10 B(M1)(W.u.)=0.0020 6; B(E2)(W.u.)=1.4 9
559.61	1/2+	281.26 5	100 3	278.381	3/2+	M1+E2	−0.08 4	0.0442	α(K)=0.0381 6; α(L)=0.00487 7; α(M)=0.000980 15 α(N)=0.000199 3; α(O)=2.33×10^{-5} 4
		531.83 5	53 2	27.793	5/2+				
695.89	11/2+	695.88 6	100	0.0	7/2+	(E2)			B(E2)(W.u.)=20.8 25
729.57	(9/2)+	242.2 1	0.094 13	487.346	5/2+	[E2]		0.0812	α(K)=0.0661 10; α(L)=0.01207 17; α(M)=0.00248 4 α(N)=0.000490 7; α(O)=5.13×10^{-5} 8 B(E2)(W.u.)=4.2 8
		701.76 5	3.56 13	27.793	5/2+	[E2]			B(E2)(W.u.)=0.78 10
		729.57 5	100 4	0.0	7/2+	M1+E2	−0.34 6		B(M1)(W.u.)=0.0129 16; B(E2)(W.u.)=1.9 7
768.75	(7/2)+	281.38 20	<0.34	487.346	5/2+				
		490.34 20	<0.86	278.381	3/2+				
		740.96 5	100 3	27.793	5/2+	M1+E2	−0.27 10		
		768.77 5	10 1	0.0	7/2+				
829.91	3/2+,5/2+	270.37 6	2.4 2	559.61	1/2+				
		342.54 5	4.4 4	487.346	5/2+				
		551.50 5	1.9 2	278.381	3/2+				
		802.10 5	100 3	27.793	5/2+				
		829.93 5	3.3 12	0.0	7/2+				

From ENSDF

$\gamma(^{129}I)$ (continued)

E_i(level)	J^π_i	E_γ†	I_γ†	E_f	J^π_f	Mult.†	δ†	α‡	Comments
844.82	(7/2)+	76.10 *5*	0.35 *8*	768.75	(7/2)+	[M1+E2]		3.1 *15*	α(K)=2.1 *7*; α(L)=0.8 *7*; α(M)=0.18 *15* α(N)=0.03 *3*; α(O)=0.0032 *24*
		115.30 *16*	0.29 *9*	729.57	(9/2)+	[M1+E2]		0.8 *3*	α(K)=0.59 *17*; α(L)=0.15 *10*; α(M)=0.031 *20* α(N)=0.006 *4*; α(O)=0.0006 *4*
		357.48 *20*	≤0.15	487.346	5/2+				
		817.04 *5*	100 *3*	27.793	5/2+	M1+E2	+0.46 *4*		
		844.81 *5*	37.6 *21*	0.0	7/2+				
1047.35	3/2+,5/2+	560.05 *6*	100 *6*	487.346	5/2+				
		769.01 *5*	11.8 *11*	278.381	3/2+				
		1019.43 *6*	37 *9*	27.793	5/2+				
1050.21	(7/2)+	281.44 *5*	2.9 *3*	768.75	(7/2)+	[M1+E2]		0.047 *3*	α(K)=0.0394 *15*; α(L)=0.0059 *11*; α(M)=0.00120 *23* α(N)=0.00024 *5*; α(O)=2.7×10^{-5} *4*
		320.64 *11*	3.4 *5*	729.57	(9/2)+	[M1+E2]		0.0319 *7*	α(K)=0.0271 *4*; α(L)=0.0039 *5*; α(M)=0.00079 *11* α(N)=0.000159 *19*; α(O)=1.78×10^{-5} *14*
		562.82 *20*	≤2.6	487.346	5/2+				
		771.80 *16*	1.7 *2*	278.381	3/2+				
		1022.43 *5*	97 *5*	27.793	5/2+	M1(+E2)	−0.02 *2*		
		1050.21 *5*	100 *8*	0.0	7/2+				
1111.645	5/2+	281.7 *1*	0.31 *6*	829.91	3/2+,5/2+				
		342.88 *5*	10.0 *1*	768.75	(7/2)+	[M1+E2]		0.0264	α(K)=0.0224 *6*; α(L)=0.0032 *3*; α(M)=0.00065 *7* α(N)=0.000129 *12*; α(O)=1.46×10^{-5} *8*
		382.08 *14*	0.13 *5*	729.57	(9/2)+	[E2]		0.0188	α(K)=0.01579 *23*; α(L)=0.00242 *4*; α(M)=0.000492 *7* α(N)=9.81×10^{-5} *14*; α(O)=1.077×10^{-5} *16*
		551.98 *5*	0.28 *5*	559.61	1/2+				
		624.34 *5*	19.7 *6*	487.346	5/2+	M1(+E2)	+0.01 *5*	0.00595 *16*	α=0.00595 *16*; α(K)=0.00515 *14*; α(L)=0.000641 *14*; α(M)=0.000129 *3* α(N)=2.60×10^{-5} *6*; α(O)=3.07×10^{-6} *8*
		833.28 *5*	9.25 *28*	278.381	3/2+				
		1083.85 *5*	100 *3*	27.793	5/2+	M1+E2	+0.56 *+24−14*		
		1111.64 *5*	38.8 *16*	0.0	7/2+	M1(+E2)	+0.06 *5*		
1196.65		918.29 *15*	100 *25*	278.381	3/2+				
		1168.8 *2*	≤7.5	27.793	5/2+				
1203.71	(7/2+)	716.60 *16*	<100	487.346	5/2+				
		924.5 *20*	≤26	278.381	3/2+				
		1176.0 *5*	40 *20*	27.793	5/2+				
		1203.59 *11*	100 *20*	0.0	7/2+				
1209.80	1/2+	722.5 *2*	≤100	487.346	5/2+				
		931.57 *25*	90 *40*	278.381	3/2+				
		1181.96 *11*	50 *20*	27.793	5/2+				

From ENSDF

$^{129}_{53}I_{76}$-5

$\gamma(^{129}I)$ (continued)

E_i(level)	J_i^π	E_γ†	I_γ†	E_f	J_f^π	Mult.†	δ†	α‡	Comments
1260.65	3/2+,5/2+	210.66 *19*	8.2 *43*	1050.21	(7/2)+	[M1+E2]		0.113 *18*	α(K)=0.093 *12*; α(L)=0.016 *5*; α(M)=0.0032 *11* α(N)=0.00063 *21*; α(O)=6.8×10^{-5} *18*
		415.88 *14*	3.8 *14*	844.82	(7/2)+				
		491.93 *14*	7.2 *14*	768.75	(7/2)+				
		701.10 *16*	8.2 *19*	559.61	1/2+				
		773.54 *17*	1.4 *10*	487.346	5/2+				
		982.27 *5*	100 *3*	278.381	3/2+				
		1232.82 *5*	47 *2*	27.793	5/2+				
		1260.63 *5*	70 *4*	0.0	7/2+				
1281.99	(7/2+)	552.43 *5*	40 *13*	729.57	(9/2)+				
		794.60 *21*	80 *20*	487.346	5/2+				
		1003.65 *9*	100 *20*	278.381	3/2+				
		1254.13 *8*	60 *7*	27.793	5/2+				
		1281.96 *11*	31 *5*	0.0	7/2+				
1291.94	(3/2+,5/2+)	462.04 *20*	<1	829.91	3/2+,5/2+				
		732.62 *16*	6.1 *11*	559.61	1/2+				
		804.60 *13*	100 *1*	487.346	5/2+				
		1013.57 *8*	6.1 *14*	278.381	3/2+				
		1264.16 *5*	37.9 *14*	27.793	5/2+				
		1291.50 *13*	1.29 *18*	0.0	7/2+				E_γ: poor fit, level-energy difference=1291.94; quoted uncertainty may be underestimated.
1376.2	(13/2+)	646.5 *3*	29 *5*	729.57	(9/2)+	Q			
		680.4 *2*	100 *11*	695.89	11/2+	D+Q			
1401.43	(9/2)−	556.65 *5*	100 *3*	844.82	(7/2)+	(E1(+M2))	−0.06 *2*		
		671.84 *5*	21 *8*	729.57	(9/2)+				
		705.52 *7*	4.4 *4*	695.89	11/2+				
		1373.75 *9*	0.23 *2*	27.793	5/2+				
		1401.36 *6*	2.94 *8*	0.0	7/2+				
1469.7	(15/2+)	773.9 *3*	100	695.89	11/2+	Q			
1666.9	(13/2+)	937.3 *4*	100	729.57	(9/2)+	(Q)			
1833.5	(15/2+)	363.8 *4*	8.6 *29*	1469.7	(15/2+)				
		457.3 *3*	100 *11*	1376.2	(13/2+)	D+Q			
1850.2	(15/2)	183.2 *4*	21 *7*	1666.9	(13/2+)				
		380.5 *3*	100 *14*	1469.7	(15/2+)				
2099.3	(17/2+)	265.8 *3*	100	1833.5	(15/2+)	D+Q			
2324.7	(19/2+)	855.0 *2*	100	1469.7	(15/2+)	Q			
2529.6		204.9 *4*	100	2324.7	(19/2+)				
2569?		470#		2099.3	(17/2+)				
2633.1	(23/2+)	308.4 *2*	100	2324.7	(19/2+)	Q			
2882.3		352.7 *4*	100	2529.6					
2924?		825#		2099.3	(17/2+)				

From ENSDF

$^{129}_{53}I_{76}$-6

Adopted Levels, Gammas (continued)

$\gamma(^{129}I)$ (continued)

E_i(level)	J_i^π	E_γ †	I_γ †	E_f	J_f^π	Mult. †
2933.8	(25/2+)	300.7 *3*	100	2633.1	(23/2+)	D+Q
3408?		474#		2933.8	(25/2+)	

† From ^{129}Te β^- decays (1976Ma35) for low-spin (J≤11/2) states and from ^{124}Sn(^{7}Li,2nγ) (2013De02) for high-spin (J≥13/2) states.

‡ 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.

Placement of transition in the level scheme is uncertain.

From ENSDF

$^{129}_{53}I_{76}$-7

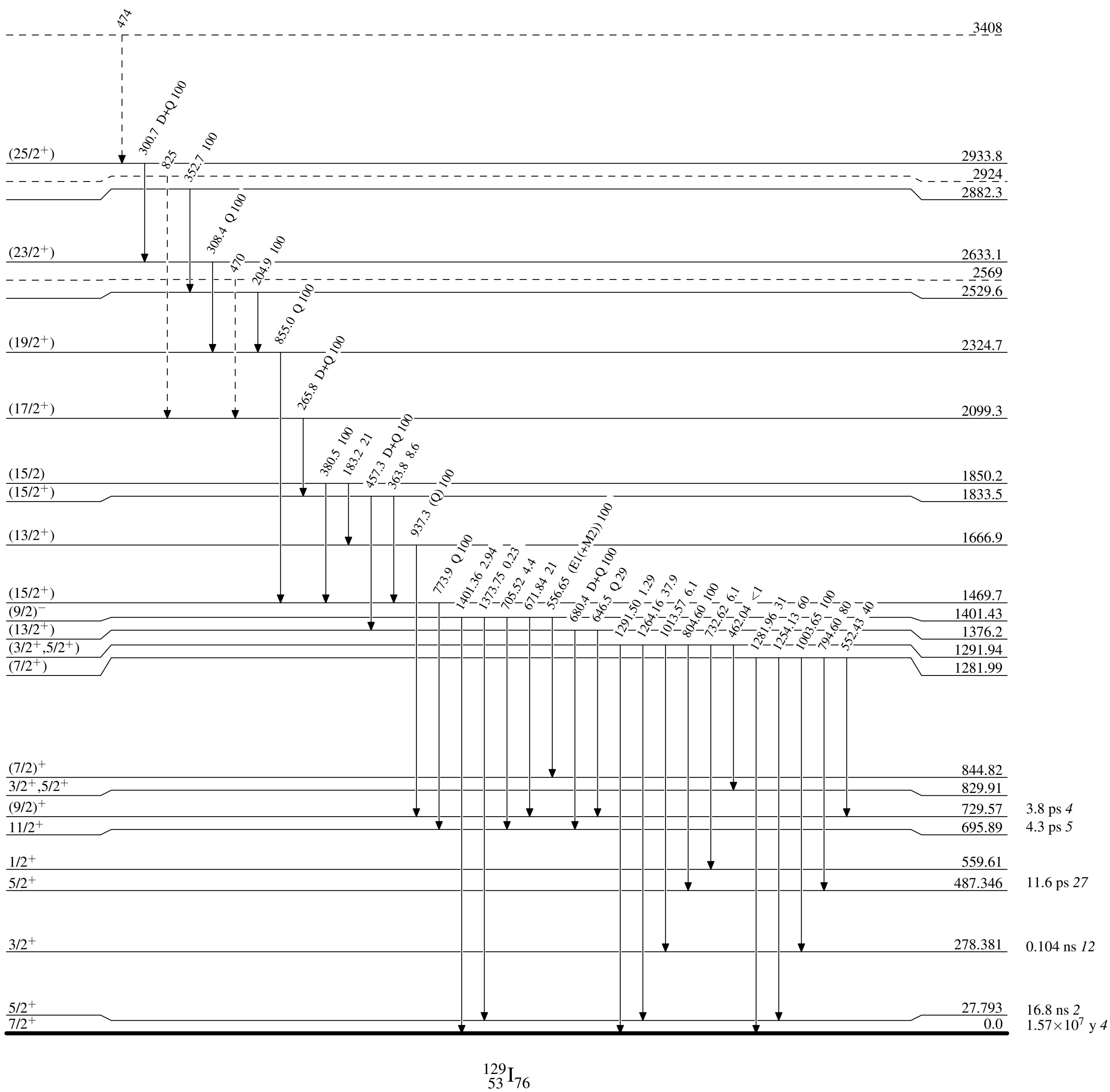
Adopted Levels, Gammas

Legend

Level Scheme

Intensities: Relative photon branching from each level

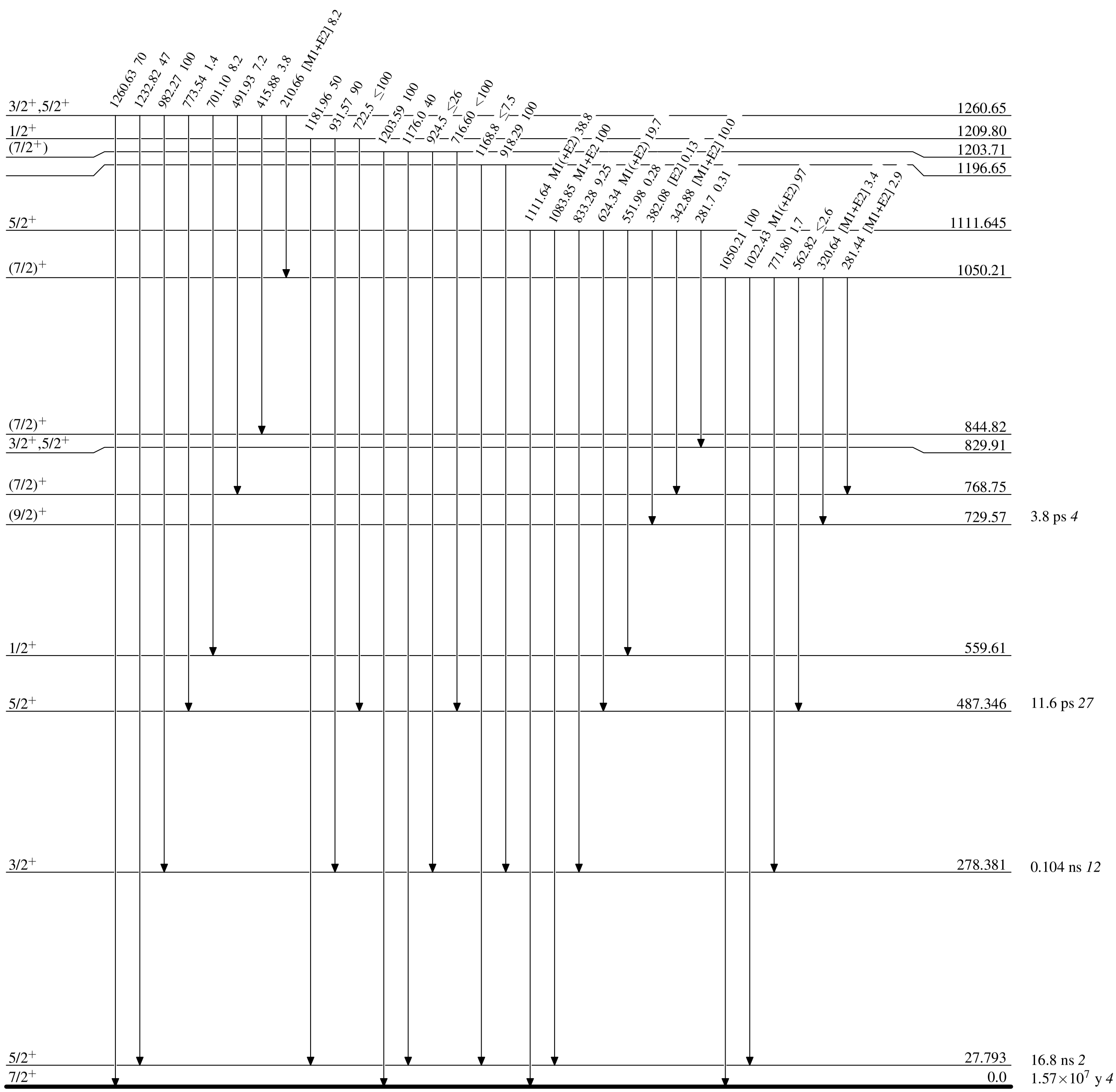
- - - - - ► γ Decay (Uncertain)



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level



$^{129}_{53}I_{76}$

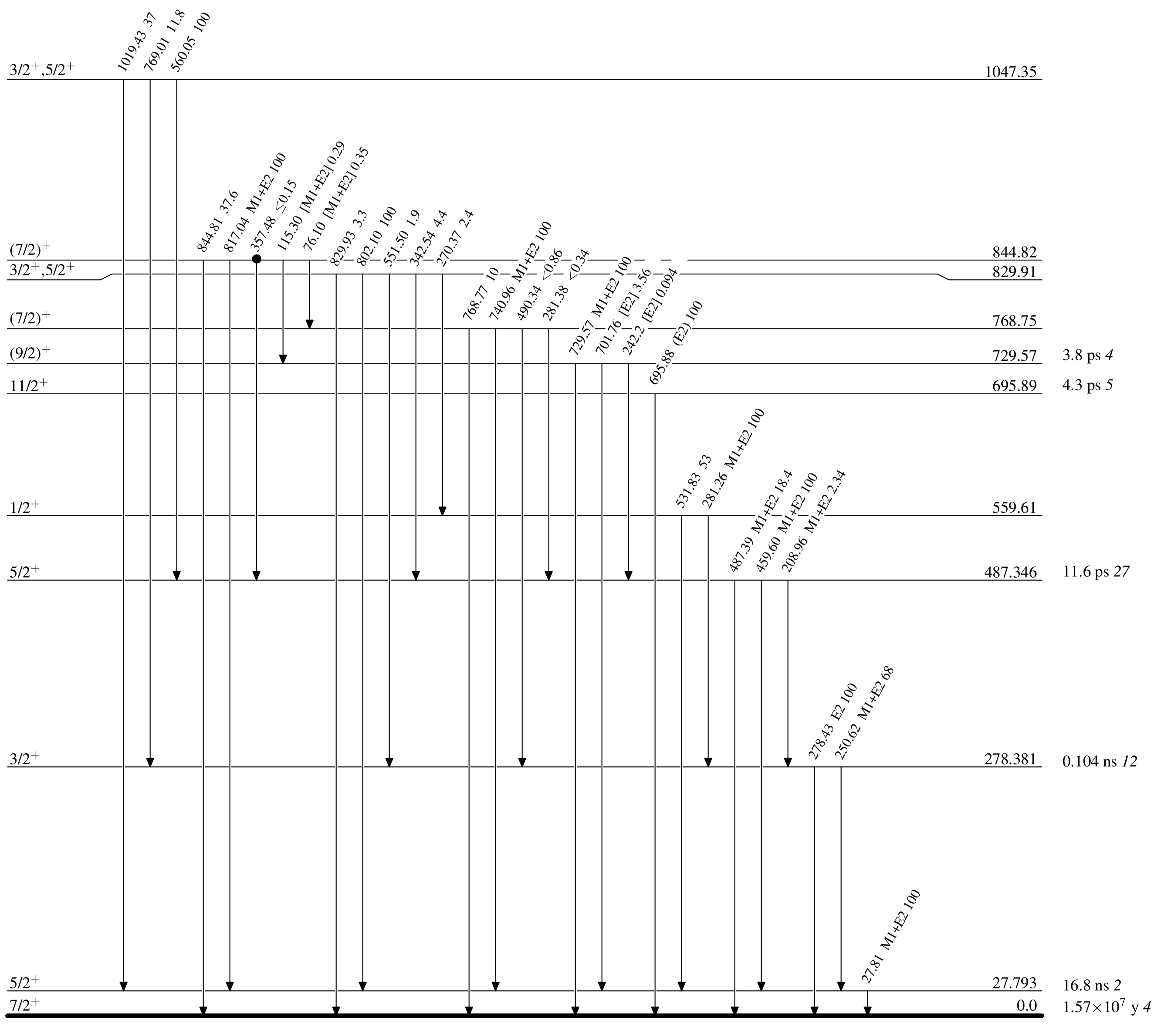
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

Legend

● Coincidence



$^{129}_{53}I_{76}$