

Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 111,717 (2010)	1-Dec-2009

$Q(\beta^-)=3276.25$ 24; $S(n)=6784.72$ 22; $S(p)=7454.3$ 8; $Q(\alpha)=-4090.9$ 25 [2012Wa38](#)

Note: Current evaluation has used the following Q record 3279 4 6784.72 227450 4 -4092 5 [2003Au03,2009AuZZ](#).

Level energies are from (n, γ) decay scheme. Some levels correspond to p-n multiplets: $\pi(g_{9/2})^{-1}$ with $\nu(h_{11/2},g_{7/2},d_{5/2})^{-1}$ or $\nu(s_{1/2},d_{3/2},1)$.

The spin assignments are due mainly to [1976Al06](#), [1972Ra39](#), from the $^{115}\text{In}(d,p)$ reaction data ([1968Mo04,1976Al06](#)), the internal conversion measurements ([1973Sc23,1976Al06](#)), and the resonance capture measurements ([1974Co35](#)).

The configuration assignments are based on L-transfer in (d,p).

 ^{116}In LevelsCross Reference (XREF) Flags

A	$^{115}\text{In}(d,p)$	D	^{116}In IT decay (2.18 s)
B	$^{115}\text{In}(n,\gamma)$ E=resonance	E	$^{116}\text{Cd}(p,n)$
C	$^{115}\text{In}(n,\gamma)$ E=th	F	$^{116}\text{Sn}(d,^2\text{He})$

E(level)	J^{π}	$T_{1/2}$	XREF	Comments
0.0	1^+	14.10 s 3	ABCD F	$\% \beta^- = 99.977$ 6; $\% \epsilon = 0.023$ 6 (1998Bh04) $Q = 0.11$ 1 (2005St24,1982Gr17); $\mu = 2.7876$ 6 (2005St24,1971Wi12) Configuration= $((\pi g_{9/2})^{-1}(\nu g_{7/2})^{-1})$ $T_{1/2}$: from 1963Be23 . Others: 13 s (1935Am01,1937La05), 12.5 s 20 (1953Wi42), 14.5 s 4 (1957Ca71), 15.9 s 28 (1958Gu09), 13.4 s 4 (1960Do02), 14.05 s 26 (1960Du04), 15.6 s 5 (1965Br34). J^{π} : $\log ft = 4.7$ to 0^+ level.
127.267 6	5^+	54.29 min 17	ABCD	$\% \beta^- = 100$ $Q = 0.802$ 12 (1989Ra17,2005St24,1987Eb02) $\mu = +4.435$ 15 (2005St24,1989Ra17); Configuration= $((\pi g_{9/2})^{-1}(\nu s_{1/2}))$ $T_{1/2}$: weighted average of 54.31 min 7 (1945Ru02), 54.05 min 16 (1947Gr16), 53.93 min 13 (1949Si02), 54.14 min 7 (1953Do09), 53.99 min 6 (1953Lo09), 55.13 min 27 (1957Ca71), 54.12 min 5 (1963Be23), 56.6 min 11 (1965Br34), 55.3 min 4 (1972Pa13), 54.34 min 9 (1972Em01), 55.77 10 (1986Ne01), agrees with the new value 54.20 7 (2006Vo12). J^{π} : atomic beam (1976Fu06), M1 γ from 4^+ .
223.330 6	4^+	<139 [†] ps	ABC	J^{π} : L(d,p)=0+2, M1 γ from 508 level.
272.966 2	2^+	<69 [†] ps	ABC	Configuration= $((\pi g_{9/2})^{-1}(\nu g_{7/2})^{-1})$ J^{π} : M1 γ to 1^+ , primary γ in (n, γ) E=res.
289.660 6	8^-	2.18 s 4	A CD	$\% \text{IT} = 100$ $Q = 0.310$ 9 (1989Ra17,2005St24,1987Eb02) $\mu = +3.215$ 11 (2005St24,1987Eb02); Configuration= $((\pi g_{9/2})^{-1}(\nu h_{11/2}))$ J^{π} : E3 γ to 5^+ . $T_{1/2}$: weighted average: 2.46 s 8 (1960Al27), 2.17 s 7 (1961He08), 2.3 s 3 (1962Wh02), 2.16 s 2 (1963Al32). Other: 2.5 s (1950Ca72).
313.476 5	$4^+, 5^+$	631 [†] ps 70	ABC	Configuration= $((\pi g_{9/2})^{-1}(\nu d_{3/2}))$ J^{π} : primary γ in (n, γ) E=res, M1 γ to 4^+ .
350.576 6	7^-		A C	Configuration= $((\pi g_{9/2})^{-1}(\nu h_{11/2}))$ J^{π} : M1 γ to 8^- , M1 γ from 6^- .
366.418 6	$7^-, 8^-, 9^-$		A C	Configuration= $((\pi g_{9/2})^{-1}(\nu h_{11/2}))$ J^{π} : M1 γ to 8^- .
373.373 9	6^-		ABC	Configuration= $((\pi g_{9/2})^{-1}(\nu h_{11/2}))$ J^{π} : E1 γ to 5^+ , M1 γ to 7^- .

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{116}In Levels (continued)				
E(level)	J^π	$T_{1/2}$	XREF	Comments
425.930 5	4 ⁺	<208 [†] ps	ABC	J^π : L(d,p)=0+2, M1 γ from 3 ⁺ .
448.032 4	1 ⁻ ,2 ⁻ ,3 ⁻		C	J^π : E1 γ to 2 ⁺ .
458.942 9	5 ⁻		ABC	Configuration=((π g _{9/2}) ⁻¹ (ν h _{11/2})) J^π : M1 γ to 6 ⁻ , J^π =4 ⁻ ,5 ⁻ from primary γ in (n, γ) E=res.
460.000 6	4 ⁺ ,5 ⁺	<139 [†] ps	A C	J^π : L(d,p)=0+5 for the 458.9+460 levels.
508.241 4	3 ⁺	<104 [†] ps	A C	Configuration=((π g _{9/2}) ⁻¹ (ν d _{3/2})) J^π : M1 γ to 2 ⁺ , M1 γ to 4 ⁺ .
554.979 10	4 ⁻	<139 [†] ps	ABC	Configuration=((π g _{9/2}) ⁻¹ (ν h _{11/2})) J^π : primary γ in (n, γ) E=res, M1 γ from 3 ⁻ .
556.849 25	2 ⁻		C	J^π : E1 γ to 1 ⁺ , M1 γ from 3 ⁻ .
648.916 9	6 ⁺ , (4 ⁺ ,5 ⁺)		ABC	Configuration=((π g _{9/2}) ⁻¹ (ν d _{3/2})) J^π : primary γ in (n, γ) E=res.
658.073 8	3 ⁺	<139 [†] ps	ABC	Configuration=((π g _{9/2}) ⁻¹ (ν g _{7/2}) ⁻¹) J^π : primary γ in (n, γ) E=res.
665.616 10	7 ⁺ ,8 ⁺		A C	J^π : E1 γ to 7 ⁻ , E1 γ to 8 ⁻ .
722.7 13	3 ⁺ , (2 ⁺)		B	Configuration=((π g _{9/2}) ⁻¹ (ν g _{7/2}) ⁻¹)
728.865 11	3 ⁻	<104 [†] ps	ABC	Configuration=((π g _{9/2}) ⁻¹ (ν h _{11/2})) J^π : primary γ in (n, γ) E=res M1 γ to 4 ⁻ .
735.688 10	4 ⁺ ,5 ⁺		ABC	J^π : L(d,p)=0.
744.823 8	3 ⁺		BC	J^π : primary γ in (n, γ) E=res.
760.997 10	6,7 ⁺		A C	Configuration=((π g _{9/2}) ⁻¹ (ν d _{5/2}) ⁻¹) J^π : M1,E1 γ to 7 ⁺ ,8 ⁺ . γ to 5 ⁺ .
771.14 10	+		C	J^π : M1,E2 γ to 1 ⁺ .
787.18 4	1 ⁻ ,2 ⁻ ,3 ⁻		C	J^π : M1 γ to 2 ⁻ .
789.372 9	+		A C	Configuration=((π g _{9/2}) ⁻¹ (ν d _{5/2}) ⁻¹) J^π : M1,E2 γ to π =+.
790.921 18	3 ⁺		BC	J^π : primary γ in (n, γ) E=res.
813.346 8	4 ⁺		ABC	Configuration=((π g _{9/2}) ⁻¹ (ν g _{7/2}) ⁻¹) J^π : M1 γ to 3 ⁺ , L(d,p)=4+0.
829.131 8	4 ⁺	<139 [†] ps	ABC	J^π : M1 γ to 3 ⁺ , L(d,p)=0.
850.491 23	3 ⁻		BC	J^π : primary γ in (n, γ) E=res.
875.287 33	3 ⁻		BC	J^π : E1 to 2 ⁺ , J^π =3 ⁻ , (3 ⁺) from primary γ in (n, γ) E=res.
892.667 12	4 ⁻		BC	J^π : primary γ in (n, γ) E=res M1 γ to 3 ⁻ .
910.77 10	(2) ⁺		A C	J^π : L(d,p)=2, not fed by primary γ , γ to 3 ⁺ .
914.5 5			A C	Configuration=((π g _{9/2}) ⁻¹ (ν h _{11/2}))
920.81 10	+		C	J^π : M1,E2 γ to 2 ⁺ .
949.305 10	4 ⁽⁺⁾ ,5 ⁽⁺⁾		A C	J^π : M1,(E1) γ to 4 ⁺ ,5 ⁺ . γ 's to 4 ⁻ and 5 ⁻ .
951.476 15	4 ⁻		BC	J^π : primary γ in (n, γ) E=res.
970.302 8	3 ⁺ ,4 ⁺ ,5 ⁺		A C	J^π : M1 γ to 4 ⁺ .
972.95 20			BC	
1007.663 13	6 ⁻		ABC	J^π : primary γ in (n, γ) E=res.
1015.495 21	4 ⁻ ,5 ⁻	<104 [†] ps	BC	J^π : primary γ in (n, γ) E=res.
1019.038 12	3 ⁻ ,4 ⁻ ,5 ⁻		A C	J^π : M1 γ to 4 ⁻ .
1031.226 25	4 ⁺		BC	J^π : M1 γ to 3 ⁺ . J^π =4 ⁺ ,5 ⁺ from primary γ in (n, γ) E=res.
1052.680 19	5 ⁻		BC	J^π : M1 γ to 6 ⁻ . J^π =4 ⁻ ,5 ⁻ from primary γ in (n, γ) E=res.
1057.340 19	(3 ⁺ ,4 ⁺ ,5 ⁺ ,6 ⁺)		ABC	J^π : M1 γ to 4 ⁺ ,5 ⁺ .
1070.89 10	3 ⁺ , (4,5) ⁺		C	J^π : primary γ in (n, γ) E=res. M1,E2 γ to 4 ⁺ .
1072.37 17	4 ⁻ ,5 ⁻		ABC	J^π : primary γ in (n, γ) E=res. γ decay.
1081.58 18	6 ⁻		BC	J^π : primary γ in (n, γ) E=res. γ decay.
1081.871 24	3 ⁺ ,4 ⁺ ,5 ⁺		BC	J^π : primary γ in (n, γ) E=res. γ decay.
1088.1 11	6 ⁺		B	
1094.42			C	
1097.7 3	3 ⁻		B	

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued) ^{116}In Levels (continued)

E(level)	J^π [‡]	XREF	Comments
1119.4 13	3 ⁺	B	
1121.5		BC	
1152.40 8	6 ⁻ , (6 ⁺)	BC	
1167.040 10	⁺	C	J ^π : M1, E2 γ to ⁺ .
1187.27		A C	
1204.36 10	6 ⁺ , (7 ⁺)	ABC	
1213.456 28	4 ⁺ , 5 ⁺	BC	
1252.65	3 ⁺	BC	
1258.5 4	3 ⁻	B	
1285.692		C	
1285.83 8	4 ⁻ , 5 ⁻	B	
1292.5 8	3 ⁻	B	
1318.2 6	6 ⁻	B	
1341.5 10		BC	
1374.43 12	4 ⁻ , 5 ⁻	BC	
1399.77 8	5 ⁺	C	J ^π : M1 γ to 4 ⁺ .
1426.4		C	
1437.7		C	
1451.07		C	
1465.9		C	
13240 50		E	
13740 50		E	
14500 50		E	
15140 50		E	
15660 50		E	

[†] From (n, γ) by 1975Ra07.[‡] Values for levels populated in (n, γ) E=res alone are from the relative strengths of primary γ 's from 4⁺ and 5⁺ resonances.

Adopted Levels, Gammas (continued)

E _i (level)	J ^π _i	$\gamma(^{116}\text{In})$		E _f	J ^π _f	Mult. [†]	$\alpha^{\ddagger}$	Comments
		E _γ [†]	I _γ [†]					
223.330	4 ⁺	96.1 2	100	127.267	5 ⁺	M1	0.577	B(M1)(W.u.)>0.18
272.966	2 ⁺	273.0 3	100	0.0	1 ⁺	M1		B(M1)(W.u.)>0.016
289.660	8 ⁻	162.393 7	100	127.267	5 ⁺	E3	1.73	B(E3)(W.u.)=0.234 5
								Mult.: from ¹¹⁶ In IT decay.
313.476	4 ⁺ ,5 ⁺	90.1 2	0.28 11	223.330	4 ⁺	(M1)	0.693	B(M1)(W.u.)=0.00013 6
								Mult.: $\alpha(K)\text{exp}$ allows mult=M1, or E1, the decay scheme requires $\Delta\pi=\text{no.}$
		186.2 1	100 8	127.267	5 ⁺	M1		B(M1)(W.u.)=0.0054 9
350.576	7 ⁻	60.916 1	100	289.660	8 ⁻	M1		
366.418	7 ⁻ ,8 ⁻ ,9 ⁻	76.758 2	100	289.660	8 ⁻	M1		
373.373	6 ⁻	22.800 8	100 33	350.576	7 ⁻	M1		
		246.100 20	3.1 7	127.267	5 ⁺	E1		
425.930	4 ⁺	112.5 2	11.9 12	313.476	4 ⁺ ,5 ⁺	M1		B(M1)(W.u.)>0.0068
		202.605 6	17.5 19	223.330	4 ⁺	M1		B(M1)(W.u.)>0.0017
		298.7 3	100 5	127.267	5 ⁺	M1		B(M1)(W.u.)>0.0031
448.032	1 ⁻ ,2 ⁻ ,3 ⁻	175.1 2	100	272.966	2 ⁺	E1		
458.942	5 ⁻	85.569 2	100	373.373	6 ⁻	M1		
460.000	4 ⁺ ,5 ⁺	146.5 2	100	313.476	4 ⁺ ,5 ⁺			
508.241	3 ⁺	82.313 3	3.7 7	425.930	4 ⁺	M1	0.896	B(M1)(W.u.)>0.0080
		235.3 2	71 6	272.966	2 ⁺	M1		B(M1)(W.u.)>0.0066
		284.900 10	100 6	223.330	4 ⁺	M1		B(M1)(W.u.)>0.0052
554.979	4 ⁻	96.0 2	100	458.942	5 ⁻	M1	0.578	B(M1)(W.u.)>0.18
556.849	2 ⁻	556.75 3	100	0.0	1 ⁺	E1		
648.916	6 ⁺ , (4 ⁺ ,5 ⁺)	335.460 10	100 7	313.476	4 ⁺ ,5 ⁺	M1,E2		
		521.59 5	19 3	127.267	5 ⁺	M1,E2		
658.073	3 ⁺	385.100 10	100	272.966	2 ⁺	M1,E2		
665.616	7 ⁺ ,8 ⁺	299.5 5	8 5	366.418	7 ⁻ ,8 ⁻ ,9 ⁻			
		315.0 3	25.3 24	350.576	7 ⁻	E1		
		375.95 8	100 10	289.660	8 ⁻	E1		
728.865	3 ⁻	173.89 2	100	554.979	4 ⁻	M1		B(M1)(W.u.)>0.040
735.688	4 ⁺ ,5 ⁺	422.200 20	47 3	313.476	4 ⁺ ,5 ⁺	M1,E2		
		608.36 5	100 13	127.267	5 ⁺	M1,E2		
744.823	3 ⁺	471.820 [#] 20	<100 [#]	272.966	2 ⁺			
		521.47 2	83 50	223.330	4 ⁺			
		617.9 3	100 27	127.267	5 ⁺			
760.997	6,7 ⁺	95.4 2	24 8	665.616	7 ⁺ ,8 ⁺	M1,E1		
		112.08 6	5.6 20	648.916	6 ⁺ , (4 ⁺ ,5 ⁺)			
		387.67 7	2.0 12	373.373	6 ⁻			
		410.390 20	18 5	350.576	7 ⁻			
		447.36 15	5.6 16	313.476	4 ⁺ ,5 ⁺			
		471.820 [#] 20	<100 [#]	289.660	8 ⁻	M1,E1		

Adopted Levels, Gammas (continued)

$\gamma(^{116}\text{In})$ (continued)							
$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	Mult. [†]	Comments
760.997	6,7 ⁺	632.4 5	32 6	127.267	5 ⁺		
771.14	⁺	498.2 2	20 14	272.966	2 ⁺		
		771.00 16	100 14	0.0	1 ⁺		
787.18	1 ⁻ ,2 ⁻ ,3 ⁻	230.33 3	21 10	556.849	2 ⁻	M1	
		339.26 10	100 17	448.032	1 ⁻ ,2 ⁻ ,3 ⁻		
789.372	⁺	140.5 2	100 16	648.916	6 ⁺ , (4 ⁺ ,5 ⁺)	M1	
		475.88 3	73 13	313.476	4 ⁺ ,5 ⁺	M1,E2	
		662.16 25	10.6 24	127.267	5 ⁺		
790.921	3 ⁺	132.94 15	5.3 18	658.073	3 ⁺		
		365.16 7	19 3	425.930	4 ⁺	M1,E2	
		517.950 20	100 12	272.966	2 ⁺	M1,E2	
		567.75 10	33 4	223.330	4 ⁺	M1,E2,E1	
813.346	4 ⁺	155.3 3	100 14	658.073	3 ⁺	M1	
		305.130 10	42 4	508.241	3 ⁺	M1	
		500.2 3	11 6	313.476	4 ⁺ ,5 ⁺		
		540.48 8	27 4	272.966	2 ⁺	E2	
829.131	4 ⁺	84.308 2	22 3	744.823	3 ⁺	M1	B(M1)(W.u.)>0.023
		171.070 10	100 9	658.073	3 ⁺	M1	B(M1)(W.u.)>0.012
		320.910 20	52 6	508.241	3 ⁺	M1,E2	
		515.7 3	23 6	313.476	4 ⁺ ,5 ⁺		
		556.15 10	57 29	272.966	2 ⁺		
850.491	3 ⁻	293.640 10	34 6	556.849	2 ⁻	M1	
		295.52 3	100 6	554.979	4 ⁻	M1	
		577.51 5	60 7	272.966	2 ⁺	E1	
875.287	3 ⁻	318.56 9	19 4	556.849	2 ⁻	(M1)	
		602.30 3	100 12	272.966	2 ⁺	E1	
892.667	4 ⁻	42.15 5	3.7 8	850.491	3 ⁻	M1	
		163.809 11	6.2 14	728.865	3 ⁻		
		335.80 4	6 4	556.849	2 ⁻		
		337.720 20	44 5	554.979	4 ⁻	M1,E2	
		384.41 5	51 11	508.241	3 ⁺		
		433.710 10	100 5	458.942	5 ⁻	M1,E2	
910.77	(2) ⁺	252.75 12	100 33	658.073	3 ⁺		
		402.3 3	100 50	508.241	3 ⁺		
920.81	⁺	149.7 2	75 6	771.14	⁺	M1	
		647.98 17	100 13	272.966	2 ⁺	M1,E2	
949.305	4 ⁽⁺⁾ ,5 ⁽⁺⁾	159.9 2	61 10	789.372	⁺		
		213.638 20	73 10	735.688	4 ⁺ ,5 ⁺	M1,(E1)	
		300.25 15	65 16	648.916	6 ⁺ , (4 ⁺ ,5 ⁺)		
		394.7 3	31 4	554.979	4 ⁻		
		490.03 20	100 10	458.942	5 ⁻		
951.476	4 ⁻	222.62 3	3.4 17	728.865	3 ⁻		

Adopted Levels, Gammas (continued)

$\gamma(^{116}\text{In})$ (continued)							
$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	Mult. †	Comments
951.476	4^-	293.19 15	14 5	658.073	3^+		
		396.43 3	13.0 17	554.979	4^-	M1,E2	
		443.26 4	15 3	508.241	3^+		
		492.530 10	100 7	458.942	5^-	M1,E2	
970.302	$3^+,4^+,5^+$	141.2 2	100 15	829.131	4^+	M1	
		157.0 2	9.5 15	813.346	4^+		
		180.95 2	7.3 15	789.372	$+$		
		225.47 3	4.4 22	744.823	3^+		
		234.600 10	31 9	735.688	$4^+,5^+$		
		747.3 8	19 6	223.330	4^+	M1,E2	
		115.0 2	26 3	892.667	4^-	E2	
1007.663	6^-	548.69 3	100 9	458.942	5^-	M1	
		634.07 11	66 14	373.373	6^-	(M1,E2)	
		657.15 12	62 5	350.576	7^-	M1,E2	
1015.495	$4^-,5^-$	202.154 [#] 16	$\leq 25^\text{\#}$	813.346	4^+		
		791.5 6	100 11	223.330	4^+	E1	
1019.038	$3^-,4^-,5^-$	126.4 2	100 5	892.667	4^-	M1	B(M1)(W.u.)>0.089
		143.55 10	0.8 4	875.287	3^-		
		559.93 12	17 5	458.942	5^-	M1,E2	B(E2)(W.u.)>0.21; B(M1)(W.u.)>8.7×10 ⁻⁵
1031.226	4^+	217.87 3	19 11	813.346	4^+		
		240.31 4	63 11	790.921	3^+	M1,(E2)	
		373.34 20	81 15	658.073	3^+	M1,E2	
		808.6 10	100 35	223.330	4^+		
1052.680	5^-	45.00 5	41 11	1007.663	6^-	M1	
		101.16 3	41 19	951.476	4^-	M1	
		202.154 [#] 16	$\leq 63^\text{\#}$	850.491	3^-		
		497.70 6	100 18	554.979	4^-	M1,E2	
1057.340	$(3^+,4^+,5^+,6^+)$	267.97 3	60 15	789.372	$+$		
		321.650 20	100 30	735.688	$4^+,5^+$	M1,E2	
1070.89	$3^+,(4,5)^+$	515.94 13	14 10	554.979	4^-		
		847.53 16	100 14	223.330	4^+		
1081.58	6^-	622.64 13	22 3	458.942	5^-	M1,E2	
1081.871	$3^+,4^+,5^+$	290.950 20	100	790.921	3^+	E2,(M1)	
1152.40	$6^-, (6^+)$	693.44 12	100	458.942	5^-	M1,E2	
1167.040	$+$	196.738 5	100 13	970.302	$3^+,4^+,5^+$	M1,E2	
		518.10 20	37 25	648.916	$6^+,(4^+,5^+)$		
1204.36	$6^+,(7^+)$	555.45 12	100	648.916	$6^+,(4^+,5^+)$		
1213.456	$4^+,5^+$	243.15 3	39 11	970.302	$3^+,4^+,5^+$	M1,(E2)	
		468.62 10	100 22	744.823	3^+	M1,E2	
1285.83	$4^-,5^-$	393.12 12	100	892.667	4^-		
1374.43	$4^-,5^-$	819.50 20	100	554.979	4^-		

Adopted Levels, Gammas (continued)

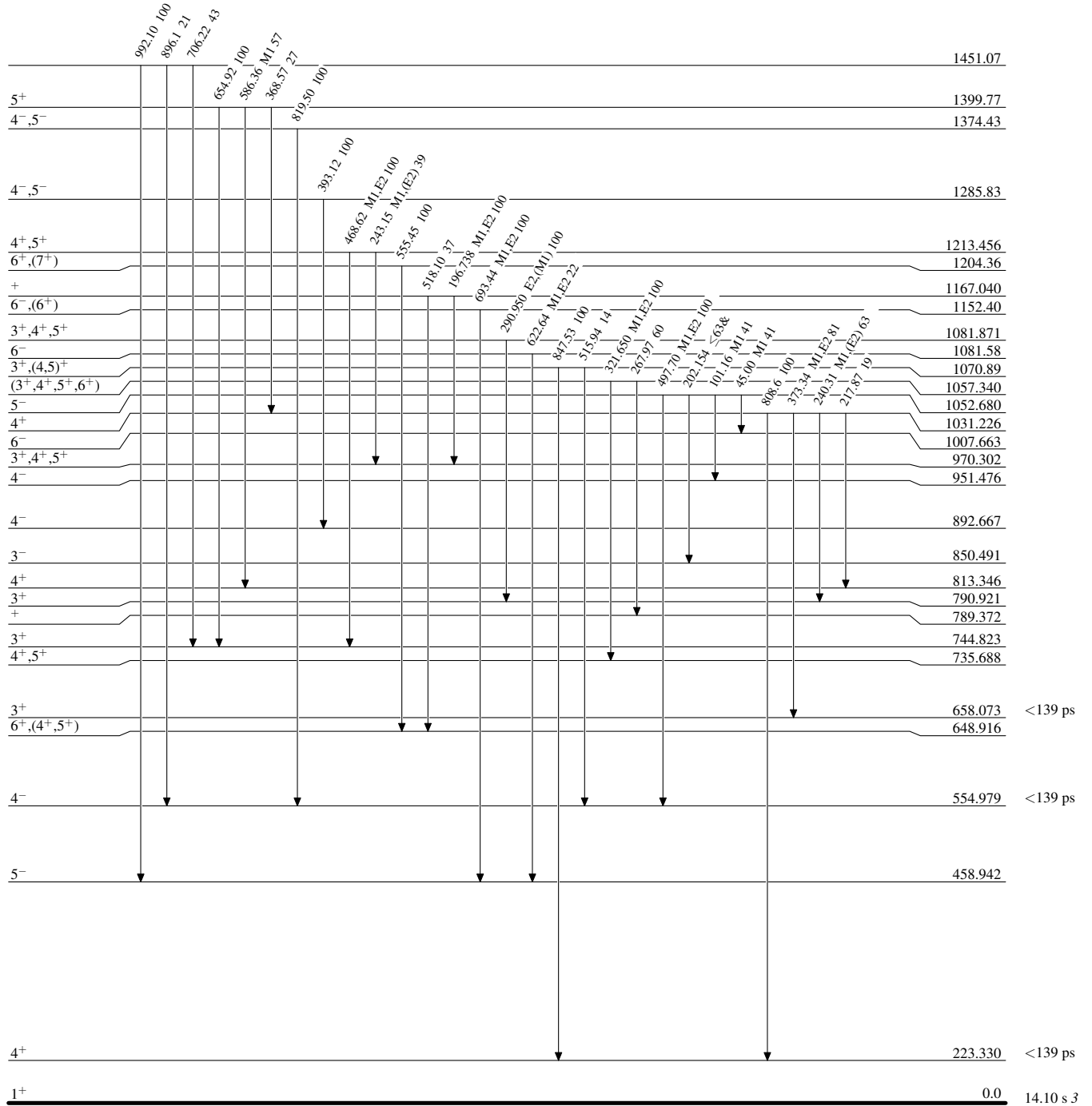
γ(¹¹⁶In) (continued)

<u>E_i(level)</u>	<u>J_i^π</u>	<u>E_γ[†]</u>	<u>I_γ[†]</u>	<u>E_f</u>	<u>J_f^π</u>	<u>Mult.[‡]</u>
1399.77	5 ⁺	368.57 8	27 13	1031.226	4 ⁺	M1
		586.36 23	57 10	813.346	4 ⁺	
		654.92 20	100 13	744.823	3 ⁺	
1451.07		706.22 25	43 7	744.823	3 ⁺	
		896.1 5	21 9	554.979	4 ⁻	
		992.10 17	100 10	458.942	5 ⁻	

[†] From ¹¹⁵In(n,γ).
[‡] 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.
[#] Multiply placed with undivided intensity.

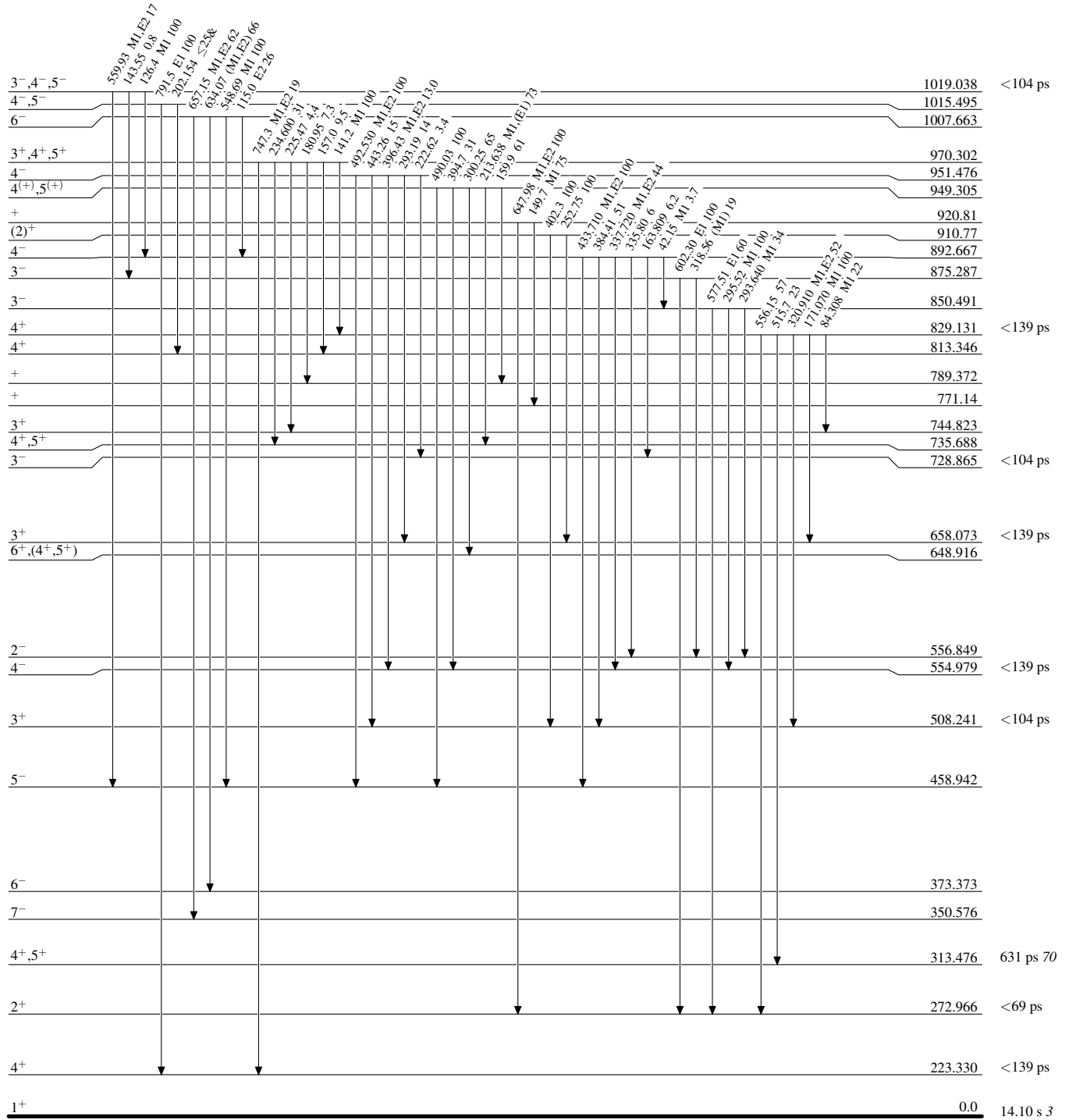
Adopted Levels, Gammas**Level Scheme**

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given



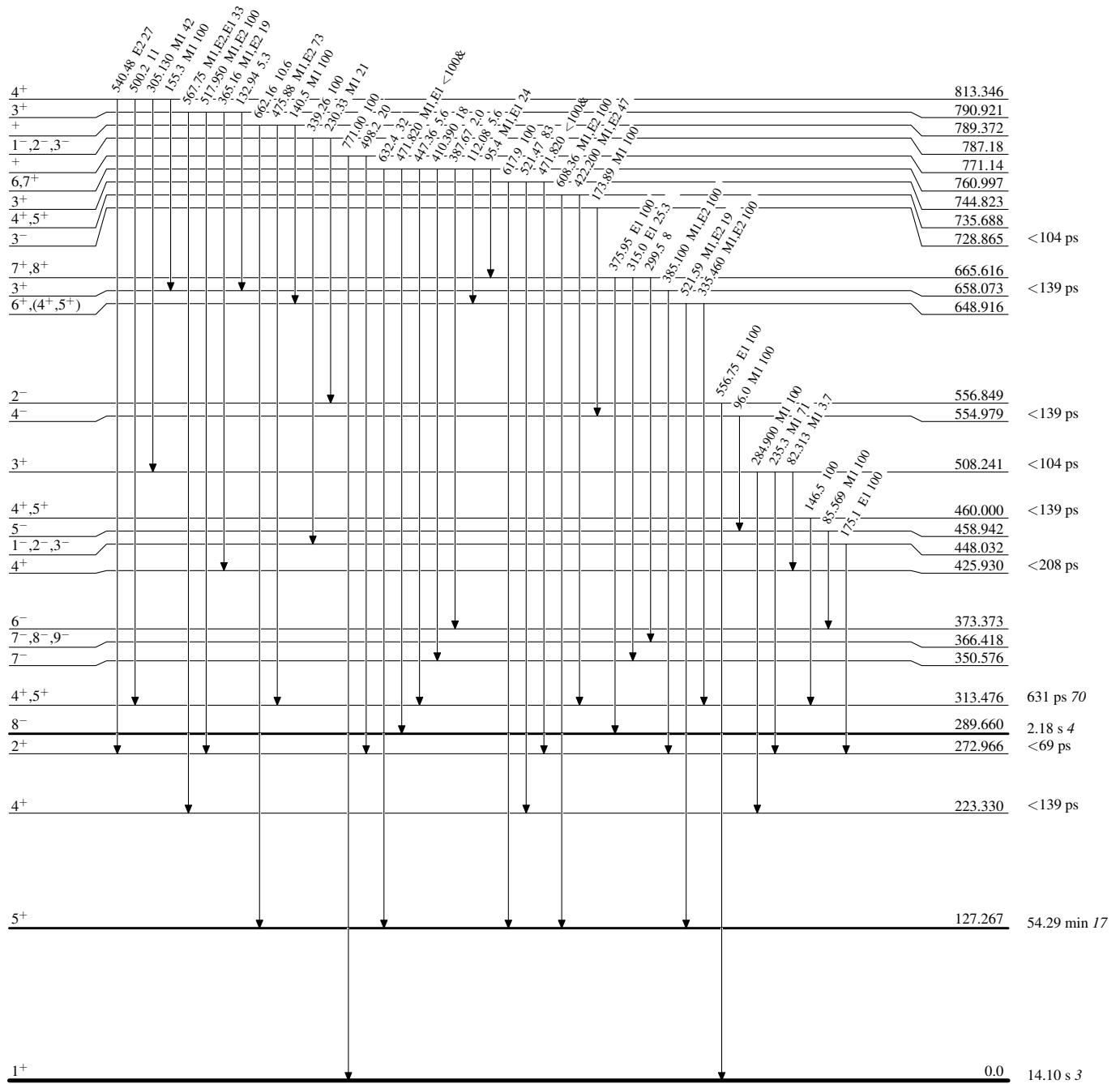
Adopted Levels, Gammas**Level Scheme (continued)**

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given



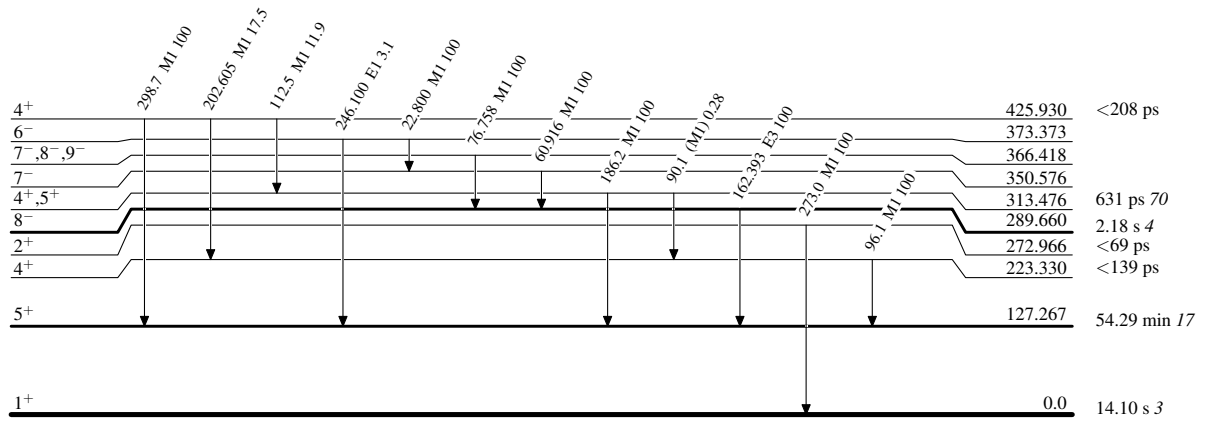
Adopted Levels, Gammas**Level Scheme (continued)**

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given



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

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

 $^{116}_{49}\text{In}_{67}$