Adopted Levels, Gammas

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia and A. M. Hurst	NDS 134,1 (2016)	1-Feb-2016

Q(β^-)=−5069.14 *8*; S(n)=11365.3 *5*; S(p)=6306.31 *5*; Q(α)=−9453.51 *18* 2012Wa38

Other reactions:

Cu(p,X), E=120 GeV: 2015Se13.

^{12}C(^{16}O,d): 1980Al29, 1973Br08.

^{14}N(^{16}O,α): 1982Ta02.

^{24}Mg(^{6}Li,α): 1969Da19.

^{27}Al(d,t): 1980Me01.

^{26}Al(^{6}Li,^{6}He): 1999Ue03.

^{28}Si(p,X), E=1.1 GeV: Measured 418.2 keV *1* and 831.4 keV *8* γ-rays (2004Va04).

^{26}Al Levels

Cross Reference (XREF) Flags

A	^{26}Si β^+ decay	G	^{25}Mg(^{3}He,d),(d,n)	M	^{27}Al(d,t)
B	^{27}P β^+p decay	H	^{25}Mg(α,t)	N	^{28}Si(μ^-,ν2nγ)
C	^{23}Na(α,nγ)	I	^{25}Mg(^{11}B,^{10}Be)	O	^{28}Si(p,^{3}He)
D	^{24}Mg(^{3}He,pγ)	J	^{26}Mg(p,n),(p,nγ)	P	^{28}Si(d,α),(pol d,α)
E	^{24}Mg(α,d)	K	^{26}Mg(^{3}He,t)		
F	^{25}Mg(p,γ),(p,p)	L	^{27}Al(p,d),(^{3}He,α)		

E(level)[†]	J$^\pi$	T$_{1/2}$[c]	XREF	Comments
0.0	5$^+$	7.17×10^5 y *24*	ABCDEFGHIJKLMNOP	%ε+%β^+=100 T=0 μ=+2.804 *4*; Q=+0.27 *3* J$^\pi$: From Cross-section and vector analyzing-power angular distribution for the (pol d,α) (1978Ik01); L=4 in (α,d) and (d,α), unnatural parity (pol d,α). Also from (p,n) (1988Le17). T$_{1/2}$: Weighted average of 7.16E5 y 32 (1972Sa02), 7.05E5 y 24 (1983No14), 7.02E5 y 56 (1983Mi33) and 7.80E5 y 50 (1984Th04). Uncertainty is the lowest input value. μ: From 1996Co04, 2014StZZ. Q: From 1997Le19, 2014StZZ.
228.305 *13*	0$^+$	6.3460 s *8*	AB DEFGHIJKLMNO	%ε+%β^+=100 T=1 J$^\pi$: L=0 in (^{3}He,p) and (p,n). T$_{1/2}$: Weighted average of 6.346 s *5* (1969Fr08), 6.351 s *10* (1972Ha82), 6.346 s *5* (1975Az01), 6.3395 s *45* (1977Al11), 6.3462 s *26* (1983Ko22), 6.34654 s *76* (2011Fi01), 6.345 s *14* (2005Sc01), 6.3478 s *25* (2011Sc22), and 6.3453 s *9* (2013Ch51). Uncertainty from lowest input value.
416.852 *3*	3$^+$	1.20 ns *1*	A D FGHIJKLMNOP	μ=+2.0 *5*; T=0 μ: From 1989Ra17. J$^\pi$: L=2 in (α,d) and (d,α), unnatural parity (pol d,α); γ to 5$^+$. T$_{1/2}$: From mean lifetime of 1.73 ns *2*: weighted average of mean lifetime 1.77 ns *7* (1961Go31), 1.86 ns *9* (1963Ga07), 1.85 ns *10* (1964Be34), and 1.72 ns *2* (1976Ak01).
1057.739 *12*	1$^+$	25 fs *5*	A CD FGHIJKLMNOP	T=0 J$^\pi$: L=0 in (p,n); L=0+2 in (d,α); unnatural parity in (pol d,α). T$_{1/2}$: From mean lifetime 36 fs *7*: weighted average of 40 fs *10* (1973Go10) and 31 fs *1* (1967Yo05).

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Adopted Levels, Gammas (continued)

^{26}Al Levels (continued)

E(level)[†]	J$^{\pi}$	T$_{1/2}$[c]	XREF	Comments
1759.034 *8*	2$^+$	3.8 ps *6*	A CD FGHIJ LMN P	T=0 J$^{\pi}$: L=2 in (^{3}He,p) and (d,α); natural parity (pol d,α). T$_{1/2}$: From mean lifetime 5.5 ps *8*: weighted average of 3.3 ps *9* (1972Du05), 2.4 ps *7* (1973Go10), 5.7 ps *11* (1972Ma67), 6.4 ps *4* (1974Be08), and 6.3 ps *5* (1974Be43). (1974Be43),
1850.62 *3*	1$^+$	32 fs *3*	A D FGH JKLMNOP	T=0 J$^{\pi}$: L=0 in (α,d) and (p,n); unnatural parity in (pol d,α). T$_{1/2}$: From mean lifetime 46 fs *4*: weighted average of 47 fs *5* (1983Ke05), 40 fs *10* (1974De37), 43 fs *11* (1973Go10), 100 fs *60* (1968Ha18). Other: 16 fs *7* (1968Ha42).
2068.86 *5*	(4$^+$)[&]	310 fs *50*	CD Fg J lmNoP	T=0 T$_{1/2}$: From mean lifetime of 450 fs *70*: weighted average of 500 fs *130* (1974De37), 525 fs *170* (1973Go10), 380 fs *110* (1972Du05), 380 fs *130* (1968Ha42), 400 fs *350* (1968Ha18).
2069.47 *3*	(2$^+$)[&]	14 fs *2*	D FgH J lmNoP	T=1 T$_{1/2}$: From mean lifetime of 20 fs *3*: weighted average of 22 fs *3* (1982Ke08) 19 fs *6* (1974De37), 30 fs *15* (1973Go10), 13 fs *5* (1968Ha42). Other: <400 fs (1968Ha18).
2071.64 *4*	1$^+$[&]	367 fs *69*	A CD Fg JKlmNoP	T=0 T$_{1/2}$: From mean lifetime of 530 fs *100*: weighted average of 730 fs *100* (1983Ke05), 530 fs *200* (1974De37), 390 fs *50* (1973Go10), 460 fs *120* (1972Du05), 560 fs *280* (1968Ha42), 460 fs *130* (1968Ha18), and 1000 fs 100 (1972Be08).
2365.150 *18*	3$^+$	0.8 ps *2*	CD FGH J LM OP	T=0 J$^{\pi}$: L=4 in (d,α); Unnatural parity in (pol d,α); γ to 1$^+$. T$_{1/2}$: From mean lifetime of 1.2 ps *3*: weighted average of 0.95 ps *24* (1973Go10), 2.00 ps *55* (1972Du05), 1.4 fs *5* (1968Ha18).
2545.367 *17*	3$^+$	0.69 ps *17*	CD FGH JKLM OP	T=0 J$^{\pi}$: L=2 in (^{3}He,p); Unnatural parity in (pol d,α); γ to 1$^+$. T$_{1/2}$: From mean lifetime of 1.00 ps *25*: weighted average of 0.90 ps *40* (1974De37), 0.86 ps *40* (1973Go10), 1.25 ps *40* (1972Du05).
2660.92 *5*	2$^+$	3 ps *3*	D FGH J L P	T=0 J$^{\pi}$: L=2 in (d,α); Natural parity in (pol d,α). T$_{1/2}$: From 1973Go10.
2740.03 *3*	1$^+$	31 fs *3*	A F H JKL P	T=0 J$^{\pi}$: L=2 in (d,α); L=0 in (p,n); Unnatural parity in (pol d,α). T$_{1/2}$: From mean lifetime of 45 fs *5*: weighted average of 41 fs *7* (1983Ke05), 38 fs *13* (1974De37), 54 fs *8* (1973Go10).
2913.40 *5*	2$^+$	68 fs *4*	CD FGH JKL OP	T=0 J$^{\pi}$: L=2 in (^{3}He,p) and in (d,α); Natural parity in (pol d,α). T$_{1/2}$: From mean lifetime of 98 fs *6*: weighted average of 101 fs *7* (1983Ke05), 91 fs *18* (1974De37), 85 fs *15* (1973Go10).
3073.63 *4*	3$^+$	194 fs *31*	FGH J L P	T=0 J$^{\pi}$: L=4 in (α,d) and in (^{3}He,p); Unnatural parity in (pol d,α); γ to 1$^+$. T$_{1/2}$: From mean lifetime of 280 fs *45*: weighted average of 310 fs *40* (1983Ke05), 150 fs *60* (1974De37), 290 fs *70* (1973Go10).
3159.889 *13*	2$^+$	3.5 fs *7*	D FGH JKLM O	T=1 J$^{\pi}$: L=2 in (^{3}He,p); Natural parity in (pol d,α). T$_{1/2}$: From mean lifetime of 5 fs *1*: weighted average of 9 fs *2* (1982Ke08), 8 fs *3* (1983Ke05), 3.6 fs *10* (1973Go10), 4.9 fs *12* (1982De15). Other: <15 fs (1974De37).
3402.65 *6*	5$^+$	67 fs *12*	CD F H J LM OP	T=0

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Adopted Levels, Gammas (continued)

^{26}Al Levels (continued)

E(level)[†]	Jπ	$T_{1/2}$[c]	XREF	Comments
				Jπ: L=4 in (d,α); unnatural parity in (pol d,α); (M1+E2) to 5+. Also angular distribution measurements in (p,n) and calculations. $T_{1/2}$: From mean lifetime 96 fs *18*: weighted average of 110 fs *15* (1983Ke05) and 74 fs *19* (1971Sh19).
3507.63 *8*	6+	17 fs *3*	C F H J LM P	T=0 Jπ: L=6 in (d,α); Natural parity in (pol d,α). $T_{1/2}$: From mean lifetime 24 fs *5*: Weighted average of 26 fs *8* (1983Ke05) and 23 fs *6* (1973Br08). Other mean lifetime: <30 fs (1971Sh19).
3596.34 *4*	3+	18 fs *3*	D FGH KL P	T=0 Jπ: L=2 in (d,α) and (^{3}He,p); Unnatural parity in (pol d,α); γ to 5+. $T_{1/2}$: From mean lifetime 26 fs *4*: Weighted average of 24 fs *6* (1983Ke05) 30 fs *13* (1974De37), 44 fs *7* (1973Go10).
3674.92 *5*	4+	155 fs *20*	F J L	T=0 Jπ: Natural parity in (pol d,α); γ to 5+, 2+. $T_{1/2}$: From mean lifetime 225 fs *30*: Weighted average of 220 fs *30* (1983Ke05) and 260 fs *70* (1974De37).
3680.68 *6*	3+	8.3 fs *14*	D FGH L P	T=0 Jπ: L=2 in (d,α); unnatural parity in (pol d,α); γ to 5+. $T_{1/2}$: From 1983Ke05. Other values: 19 fs *8* (1973Go10), <18 fs (1974De37).
3723.81 *4*	1+	4.2 fs *14*	A D F JKL O	T=0 Jπ: L=0 in (d,α) and (^{3}He,p); Unnatural parity in (pol d,α). $T_{1/2}$: From 1983Ke05. Other values: <16 fs (1973Go10), <18 fs (1974De37).
3750.90 *4*	2+	22 fs *6*	D FGH L P	T=0 Jπ: L=2 in (d,α) and natural parity in (pol d,α) for doublet. $T_{1/2}$: From mean lifetime of 32 fs *8*: weighted average of 37 fs *16* (1983Ke05), 21 fs *8* (1974De37), and 43 fs *9* (1973Go10).
3753.63 *13*	0+	5 fs *2*	D F P	T=1 Jπ: L=0 in (^{3}He,p); Natural parity in (pol d,α) for doublet. $T_{1/2}$: From 1983Ke05. Other values: 19 fs *8* (1973Go10), 22 fs *11* (1974De37).
3921.96 *24*	7+,(5+)	19 fs *4*	C F H L	T=0 Jπ: From 1974Pr08 – (α,nγ), based on γ-ray angular distribution coefficients and polarization measurements. $T_{1/2}$: From 1973Br08 (^{16}O,d).
3962.83 *5*	(3+)	37 fs *5*	H	T=0 Jπ: L=(2) in (^{3}He,p); Unnatural parity in (pol d,α); γ to 5+. $T_{1/2}$: From mean lifetime of 54 fs *7*: weighted average of mean lifetime 54 fs *11* (1983Ke05), 41 fs *13* (1974De37), and 68 fs *14* (1973Go10).
3977.91 *9*	0−	>1.0[d] ps	D F L OP	T=0 Jπ: From (pol d,α).
4191.92 *6*	(3+)	5[e] fs *2*	D FgH L	T=1 Jπ: Unnatural parity in (pol d,α); γ to 5+, 2+.
4205.86 *5*	(4+)	62[e] fs *10*	D Fg L	T=0 Jπ: Natural parity in (pol d,α); γ to 5+, 3+, 2+.
4349.34 *7*	3+	9[e] fs *3*	D F H L	T=0 Jπ: L=2 in (^{3}He,p); Unnatural parity in (pol d,α); γ to 5+. $T_{1/2}$: Other: <10 fs (1974De37).
4430.72 *6*	2−	59[d] fs *13*	D F H KLM OP	T=0 XREF: M(4443)

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Adopted Levels, Gammas (continued)

^{26}Al Levels (continued)

E(level)[†]	Jπ	$T_{1/2}$[c]	XREF	Comments
				Jπ: L=1 in (d,α); Unnatural parity. L=4 in (^{3}He,p) probably erroneous.
4480.48 *9*	0⁻	62 fs *12*	EF H	T=0 Jπ: From (pol d,α) (1986Bo02, 1986Da09). $T_{1/2}$: From mean lifetime 90 fs *17*: Weighted average of 80 fs *20* (1983Ke05) 110 fs *30* (1974De37).
4547.92 *6*	2⁺	<11 fs	F H L	T=1 Jπ: From 1980Ni10, based on γ decay, feedings, and strengths. $T_{1/2}$: From 1974De37.
4599.17 *5*	(3⁺)	5[e] fs *2*	FG KL	T=1 Jπ: Unnatural parity in (pol d,α); 3 from γ decay; γ feeding from 4⁻.
4622.38 *5*	(2⁻)	53[e] fs *18*	F	T=0 Jπ: Unnatural parity in (pol d,α); (1⁺ to 3⁺) from γ decay but discarded from γ feeding.
4705.37 *4*	(4⁺)	<3[e] fs	FGH LM O	T=1 XREF: M(4719) Jπ: Possible natural parity in (pol d,α); (3⁺,4) from γ decay and (3⁺,4⁻) discarded from γ feeding. $T_{1/2}$: Other: <11 fs (1974De37).
4773.35 *6*	4⁺	82[e] fs *12*	FGH L P	T=0 Jπ: L=4 in (d,α); Natural parity in (pol d,α).
4939.64 *9*	(1⁻)	69 fs *14*	F L	T=0 Jπ: Unnatural parity for doublet in (pol d,α); from γ-decay J^π=(1,2⁺), T=1 or J=1, T=0; Discarded 1⁺ from γ-feeding. $T_{1/2}$: From mean lifetime 100 fs *20*: weighted average of 93 fs *27* (1983Ke05), 110 fs *30* (1974De37).
4940.79 *5*	(5⁺)	24[d] fs *6*	F	T=0 Jπ: Unnatural parity for doublet in (pol d,α); from γ-decay J^π=(4,5)⁺; Discarded 4⁺ from γ-feeding.
4952.30 *4*	(3⁺)	10[e] fs *3*	F H L oP	T=0 Jπ: L=2+4 in (d,α); Unnatural parity in (pol d,α); (2,3⁺) from γ-decay; Discarded 2 from γ-feeding.
5006.66 *16*	(2⁻)[a]	120[d] fs *30*	F L o	T=0 Jπ: Unnatural parity in (pol d,α).
5010.24 *7*	(1⁺)[a]	<6[d] fs	F H KL	T=0 Jπ: L=0 in (^{3}He,t).
5131.93 *5*	(4⁺)[a]	<3[d] fs	F	T=1 Jπ: Natural parity in (pol d,α) for doublet.
5141.68 *6*	(2⁺)[a]	<4[d] fs	FGH L	T=1 Jπ: Natural parity in (pol d,α) for doublet.
5195.11 *12*	(0⁺)[a]	<24[d] fs	F L O	T=1
5245.28 *4*	(4⁺)[a]	12[e] fs *3*	FGH L	T=0 Jπ: Natural parity in (pol d,α).
5395.53 *7*	(4⁻)[a]	65[e] fs *50*	FG L	T=0 Jπ: Unnatural parity in (pol d,α).
5431.23 *10*	(1⁻)[a]	12[d] fs *6*	F	T=0 Jπ: Possible natural parity in (pol d,α).
5456.71 *5*	(3⁻)[a]	17[d] fs *4*	Fg	T=0
5461.87 *13*	0⁺,(1,2)[a]	<20[d] fs	Fg	T=0
5487.93 *6*	5⁺,(4⁻)[a]	17[d] fs *6*	Fg l	T=0
5494.51 *5*	(2⁺)[a]	<5[d] fs	Fg l	T=0

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Adopted Levels, Gammas (continued)

^{26}Al Levels (continued)

E(level)[†]	Jπ	$T_{1/2}$[c]	XREF	Comments
5513.48 *4*	(4^+)[a]	35[e] fs *4*	FG L	T=0 Jπ: Natural parity in (pol d,α).
5544.56 *7*	(2^+)[a]	15[e] fs *13*	FGH L	T=1
5569.16 *19*	(4,5)[a]		F	T=0
5584.99 *6*	(1)[a]	<6 fs	FG K	T=0
5598.30 *6*	$(2,3)^-$[a]	19[d] fs *7*	F L O	T=0
5671.04 *7*	1^+[a]	<30[d] fs	FG	T=0
5676.07 *5*	(4^-)[a]	22[e] fs *10*	Fg	T=0
5692.15 *5*	(3^-)[a]	2.8[e] fs *11*	Fg L O	T=0
5726.38 *5*	(4^+)[a]	<5[d] fs	F H L	T=1 Jπ: Possible natural parity in (pol d,α).
5849.21 *8*	(2^+)[a]	10[d] fs *6*	F H L	T=0 Jπ: Possible natural parity in (pol d,α).
5882.65 *9*	(3^+)[a]	<12[d] fs	F H	T=0 Jπ: Unnatural parity in (pol d,α).
5916.10 *6*	(2^-)[a]	<2[e] fs	Fg	T=0
5924.19 *7*	(4^+)[a]	<12[d] fs	Fg	T=1
5949.93 *8*	$1^{(+)}$[a]	<30[d] fs	F K O	T=0 Jπ: L=0 in (^{3}He,t), but possible natural parity in (pol d,α).
6028.02 *4*	(1^+)[a]	<4[d] fs	F	T=1 Jπ: Analogue state of ^{26}Mg at 5690 keV (J^π=1).
6084.07 *5*	(5^-)[‡]	90[d] fs *20*	EFg	T=0
6086.47 *11*	$(1^-,2^+)$[a]	14[d] fs *11*	Fg	T=0
6120.01 *7*	$(4\text{ to }6)^+$[a]	10[d] fs *3*	F	T=0 Jπ: 6^+ in 1996Br06 (p,γ) based on γ-ray feeding.
6197.56 *19*	$(1,2^+)$[a]	[d]	F	T=0
6238.4 *3*	(1)[a]	<7[d] fs	F	T=0
6254.06 *20*	(3^-)		F	T=0 Jπ: From γ feeding.
6270.19 *11*	1^+[a]	<9[d] fs	Fg K	T=0 Jπ: L=0 in (^{3}He,t).
6280.33 *9*	(3^+)[a]	<14[d] fs	Fg O	T=0
6343.46 *8*	(3^-)[a]	<6[d] fs	FG	T=0
6363.99 *8*	(3^+)[a]	22[d] fs *11*	FG	T=1
6398.64 *21*	$(1^+,2)$		FG	T=0 Jπ: From γ-ray feeding. In 1990En08 $J^\pi=2^-$, quoted L=1 from (p,p0).
6414.46 *10*	(0 to 2^+)[a]		D FG o	T=1 Jπ: In 1990En08 (earlier evaluation) $J^\pi i=0^+$ based on L=0 in (p,n) – (1987Ma19) – however the L value could not be found in 1987Ma19.
6436.44 *11*	(3 to 5^+)	<17[d] fs	D FG	T=0
6495.94 *7*	(3 to 5^+)	<8[d] fs	FG o	T=0 Jπ: 5 in 1996Br06.
6550.68 *7*	$(4^+,5^-)$[a]		FG	T=0 Jπ: 5^- in 1998En04. Parity determined from a comparison of Γ_p from (p,γ) and (^{3}He,d) (1996Il01).
6598.32 *16*	(5^+)[a]		F	T=0
6610.40 *6*	(3^-)[a]		FG	T=0
6680.45 *7*	(2^+)[a]	1.2 eV *3*	FG K	T=0

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Adopted Levels, Gammas (continued)

^{26}Al Levels (continued)

E(level)[†]	Jπ	$T_{1/2}$[c]	XREF	Comments
6695 *1*	(7)		F	T=0 Jπ: From 1996Br06 − $\sigma_\gamma(\theta)$.
6724.25 *7*	(4⁻)[a]		FG	T=0
6783.79 *5*	(2⁻)[a]		F	T=0
6789.30 *4*	(3⁻)[a]		FG	T=0
6801.12 *4*	(3⁺)[a]	0.34 eV *6*	F	T=0
6801.60 *16*	1⁺,(1⁻,2⁻)[a]	0.34 eV *6*	F	T=0+1
6815.74 *10*	6⁺,(4,5)[a]	<15 fs	Fg	T=0
6817.86 *9*	(4⁺)[a]	0.7 eV *3*	Fg o	T=1
6851.50 *11*	(2⁺)[a]		F o	T=1+0
6874.29 *8*	1⁺[a]	0.43 eV *23*	F K	T=0 Jπ: L=0 in (^{3}He,t).
6875.73 *6*	(2⁺)[a]		F	T=1
6891.70 *4*	(6⁻)		EFGH J L	T=0 XREF: E(6880) Jπ: From angular distribution measurements and DWIA calculations (1988Le17 − (p,n)).
6936.20 *8*	(1⁺)[a]		F	T=0
6964.48 *9*	(3⁻)[a]		FGH	T=1
7000.91 *9*	(2⁺)[a]		F	T=0
7015.01 *11*	(5⁺)[a]	0.18 eV *5*	F	T=0
7051.22 *7*	(3⁺)[a]	0.95 eV *11*	F	T=0
7085.97 *16*	1⁻		F	T=1 Jπ: Analogue state of ^{26}Mg at 7060 keV (J^π=1⁻).
7092.78 *9*	(2⁺)[a]	0.68 eV *12*	F	T=0
7108.71 *8*	(4)⁻[a]	75 eV *20*	F H	T=0 Jπ: L=1 in (p,p).
7141.80 *5*	(2)⁻	200 eV *50*	F J	T=0(+1) Jπ: L=1 in (p,p).
7152.84 *6*	(3)⁺[a]	90 eV *25*	F	T=0 Jπ: L=0 in (p,p).
7160.97 *9*	(3)⁻[a]	90 eV *25*	F o	T=0 Jπ: L=1 in (p,p).
7167.65 *6*	(4)⁻[a]	80 eV *20*	FGH o	T=0 Jπ: L=1 in (p,p).
7198.44 *12*	1⁺[a]		F K	T=0 Jπ: L=in (^{3}He,t).
7222.42 *9*	(5⁺)[a]		F	T=1 Jπ: 4⁺ excluded for γ-ray feeding from 6⁻ state at 7529.26 keV.
7237.68 *5*	(3)⁻[a]	100 eV *25*	F	T=0 Jπ: L=1 in (p,p).
7253.6 *2*	(2)⁻[b]	3.4 keV *5*	F	T=1(+0) Jπ: L=1 in (p,p).
7285.62 *11*	0⁻,(1,2)[a]		F	T=0
7291.33 *9*	(4,3)⁺[a]	55 eV *15*	F	T=0 Jπ: L=2 in (p,p).
7308.22 *5*	(2⁺)[a]		F	T=1
7347.89 *10*	(4)⁻[a]	1.3 keV *2*	F H	T=1(+0) Jπ: L=1 in (p,p).
7366.25 *11*	(5⁺)[@]		F	T=0 Jπ: spin 5 from 1996Br06. Parity from a comparison of Γ_p from (p,γ) and (^{3}He,d) 1996Il01.

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Adopted Levels, Gammas (continued)

^{26}Al Levels (continued)

E(level)[†]	Jπ	$T_{1/2}$[c]	XREF	Comments
7396.92 *5*	(2)+[a]	45 eV *11*	F	T=0 Jπ: L=0 in (p,p).
7398.70 *10*	(3)−	1.9 keV *3*	F	T=1 Jπ: L=1 in (p,p).
7409.62 *8*	(4)−[a]	230 eV *60*	F H	T=1(+0) Jπ: L=1 in (p,p).
7425.07 *7*	(4)+[a]	65 eV *15*	F	T=0 Jπ: L=2 in (p,p).
7439.50 *14*	0,(1,2)[a]		F	T=1
7444.16 *16*	(1)−[a]	45 eV *10*	F	T=0 Jπ: L=1 in (p,p).
7455.34 *19*	1+[a]		F K	T=0 Jπ: L=0 in (^{3}He,t).
7464.44 *11*	(3+)[a]		F	T=0+1
7495.38 *4*	(3)+[a]	80 eV *20*	F o	T=0+1 Jπ: From (p,p)−1984Ad07, L=0 in (p,p).
7497 *2*	(2)−[a]	750 eV *200*	F o	T=0(+1) Jπ: L=1 in (p,p).
7529.26 *5*	(6−)[a]		EFGH L	T=0
7539.52 *11*	(2)−[a]	2.1 keV *3*	F	T=1 Jπ: L=1 in (p,p).
7548.20 *9*	(5−)[a]		EF H L	T=0
7557.56 *25*	(2)+[b]	170 eV *40*	F	T=0 Jπ: L=0 in (p,p).
7561.2 *2*	(2)+[b]	3.1 keV *5*	F	T=1 Jπ: L=0 in (p,p).
7591.55 *10*	(4,3)+[a]	17 eV *4*	F	T=0 Jπ: L=2 in (p,p).
7596.06 *12*	(5+)[a]		F	T=0
7604.80 *10*	(2)−[a]	500 eV *80*	F K	T=0(+1) Jπ: L=1 in (p,p).
7622.68 *10*	(1+)[a]		F o	T=0
7627.52 *12*	(5)+[a]	10 eV *3*	F o	T=1 Jπ: L=2 in (p,p).
7647.8 *4*	(1+,2+)[a]	23 eV *14*	F o	T=0
7761.84 *10*	(3)−[ab]		F	T=0 Jπ: L=1 in (p,p).
7772.25 *6*	(3+)[a]		F	T=0
7773 *2*	(1)−[b]	5.3 keV *8*	F	T=0 Jπ: L=1 in (p,p).
7813.63 *18*	1+[b]	2.7 keV *3*	F K	T=0+1 Jπ: L=2 in (p,p), L=0 in (^{3}He,t).
7824.66 *15*	(4)−[ab]	930 eV *140*	F	T=0 Jπ: L=1 in (p,p).
7831.61 *7*	(4)+[a]	110 eV *30*	F	T=0 Jπ: L=2 in (p,p).
7865.0 *3*	(2)+[a]	6.6 keV *10*	F	T=0(+1) Jπ: L=2 in (p,p). Jπ: L=0 in (p,p).
7874.29 *15*	(3)+[a]	1.2 keV *2*	F	T=0 Jπ: L=2 in (p,p). Jπ: L=2 in (p,p).

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Adopted Levels, Gammas (continued)

^{26}Al Levels (continued)

E(level)[†]	Jπ	$T_{1/2}$[c]	XREF		Comments
					Jπ: L=2 in (p,p).
7879.6 *3*	(1+)[a]	3.7 keV *4*	F		T=0+1 Jπ: The large spectroscopic factor S(p,p_1)=480 *100* (1986En04) value only admits l_{p1}=0 (footnote in 1990En08).
7891.17 *9*	(4+)[ab]	900 eV *140*	F	o	T=1 Jπ: L=2 in (p,p).
7921.27 *14*	(5+,6+)[a]		F	o	T=0
7938.79 *8*	(3)+[ab]	1.7 keV *3*	F	o	T=1 Jπ: L=0 in (p,p).
7953.35 *6*	(4)+[a]	320 eV *50*	F		T=1 Jπ: L=2 in (p,p).
7982 *2*	(2)+[a]	12 keV *2*	F		T=1 Jπ: L=0 in (p,p).
8000.63 *7*	(1)−[a]	850 eV *130*	F		T=1 Jπ: L=1 in (p,p).
8008.08 *9*	(2)+[ab]	850 eV *130*	F		T=(0) Jπ: L=0 in (p,p).
8011	(5)−[a]	140 eV *40*	EFGH	L	T=1 Jπ: L=3 in (p,p).
8035.7 *3*			F		
8046.64 *10*	(3)−[a]	1.9 keV *3*	F		Jπ: L=1 in (p,p).
8064 *2*	(2)+[a]	7.3 keV *11*	F		Jπ: L=0 in (p,p).
8067	(5)−[a]	200 eV *50*	EFGH	L	T=1 Jπ: L=3 in (p,p).
8116 *2*	(3+)[b]	5.9 keV *9*	F		
8130 *2*	(1−,2−)[b]	1.2 keV *2*	F		
8131 *2*	(3−)[b]	2.7 keV *4*	F		
8164 *2*	(1−)[b]	10.5 keV *16*	F		
8174 *2*	(3+)[b]	23 keV *3*	F		
8186 *2*	(4+,5+)[b]		F	0	%p=70 *11* (2012Ch31)
8227 *2*	(4+)[b]	0.61 keV *9*	F		
8249 *2*	(2−)[b]	11 keV *2*	F		
8256 *2*	(4−)[b]	0.25 keV *6*	F		
8261 *2*	(3−)[b]	9.6 keV *14*	F		
8272 *2*	(2−)[b]	8.2 keV *12*	F	K	
8294 *2*	(3+)[b]	25 keV *4*	F		
8310 *2*	(2−)[b]	1.5 keV *2*	F		
8347 *2*	(3−)[b]	40 keV *6*	F		
8369 *30*				0	
8531 *1*	(4)[#]		F	K	T=1
8602 *1*	(5,6)+[@]		F	0	
8747 *1*	(6+)[@]		F		T=(1)
8774 *4*				K	
8815 *19*				0	%p=78 *36* (2012Ch31)
8924 *1*	(4)[#]		F	K	T=1 Jπ: L=0 in (^{3}He,t) inconsistent with spin assignment, if considered to be the same state.
9007 *4*				K	
9060 *1*	(4)[#]		F	0	%p=48 *15* (2012Ch31)

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Adopted Levels, Gammas (continued)

^{26}Al Levels (continued)

E(level)[†]	J^π	XREF	Comments
			T=1
9271 *1*		EF H	T=1 XREF: E(9260) E(level),J^π: Doublet with J^π=6$^-$ and 4 components (1996Br06 – (p,γ)).
9286 *1*	(5)[@]	F	T=1
9311 *1*	(3$^+$,4)[#]	F	T=1
9397 *21*		K O	%p=73 *35* (2012Ch31) XREF: K(9430)
9547 *22*		O	
9620		K	
9720 *1*		F	E(level): Doublet with 7$^+$ and (3$^+$,4) components. 7$^+$ component populates 6695 keV level.
9860		K	
9960 *10*	(5$^-$)[‡]	E O	T=0 XREF: O(9920)
9986 *1*	(7$^+$)[@]	F	T=1
10240		K	
10450		K	
10660 *10*	(6$^-$)[‡]	E J	T=0
10810		K	
11220		K	
11500		K	
11620		K	
11970 *10*		E G K	XREF: K(12010) E(level): From (α,d).
12405 *15*		E G K	E(level): From (^{3}He,d),(d,n).
12554 *15*		E G	E(level): From (^{3}He,d),(d,n).
13250 *20*		E G	
13570	(1$^+$)	K	J^π: From 2006Ze01 (^{3}He,t).
13910 *20*	(6$^-$)[‡]	E	T=0
14050 *20*		E G	
14530		K	
14744 *20*		G	
14880		K	
15371 *20*		G	
15910		K	
16550 *20*		G	
18320		K	

[†] From 1988En01 (p,γ), except otherwise noted.
[‡] From (α,d), based on angular distribution measurements and DWBA calculations.
[#] From I(0°)/I(75°) measurements (1996Br06 – (p,γ)).
[@] From σ_g (θ) measurements (1996Br06 – (p,γ)).
[&] For triplet L=0 in (p,n); L=0+2 in (^{3}He,p); L=4 in (d,α); natural parity for a doublet.
[a] From γ decay and feeding along with L values (some cases) – see Table 26.19 in 1990En08. Additional arguments, if any, are noted as comments. For detailed data – see Table 26.21b (1990En08) and Table 26i (1998En04).
[b] From (p,p) (1984Ad07) cross section measurements and analysis.
[c] Half-life or total width. Total width from (p,γ).
[d] From 1988En01.
[e] From 1983Ke05.

Adopted Levels, Gammas (continued)

$\gamma(^{26}Al)$

E_i(level)	J_i^π	E_γ †	I_γ ‡	E_f	J_f^π	Mult.	δ	Comments
416.852	3^+	416.848	100	0.0	5^+	[E2]		B(E2)(W.u.)=8.19 *12*
1057.739	1^+	829.3 *4*	100	228.305	0^+	M1		B(M1)(W.u.)=1.5 *3* E_γ: From 1968Bi05. Other: 829.4 *8* (1975Ha21).
1759.034	2^+	701.285	2.0 *1*	1057.739	1^+			
		1342.145	100.0 *1*	416.852	3^+			
1850.62	1^+	1433.73	0.7 *1*	416.852	3^+	[E2]		B(E2)(W.u.)=4.4 *8*
		1622.0 *7*	100.0 *1*	228.305	0^+	M1		B(M1)(W.u.)=0.160 *15* E_γ: Weighted average of 1622.3 *10* (1975Ha21) and 1621.7 *9* (1968Bi05).
2068.86	(4^+)	1651.95	100.0 *15*	416.852	3^+			
		2068.77	44.9 *15*	0.0	5^+	(M1+)E2		B(E2)(W.u.)=3.3 *6* δ: $\approx\infty$ (1971Sh19).
2069.47	(2^+)	218.85	0.053 *13*	1850.62	1^+	[M1]		B(M1)(W.u.)=0.060 *17*
		310.43	0.23 *3*	1759.034	2^+	[M1]		B(M1)(W.u.)=0.091 *18*
		1011.71	100.0 *12*	1057.739	1^+	[M1]		B(M1)(W.u.)=1.14 *17*
		1652.56	28.4 *11*	416.852	3^+	[M1]		B(M1)(W.u.)=0.075 *11*
		1841.09	4.0 *5*	228.305	0^+	E2		B(E2)(W.u.)=12.6 *24*
2071.64	1^+	221.02	0.045 *11*	1850.62	1^+			
		1654.73	11.9 *10*	416.852	3^+	[E2]		B(E2)(W.u.)=2.9 *6*
		1842.8 *7*	100 *1*	228.305	0^+	M1		B(M1)(W.u.)=0.0086 *17* E_γ: Weighted average of 1844.2 *20* (1975Ha21) and 1842.6 *7* (1968Bi05).
2365.150	3^+	295.678	100 *2*	2069.47	(2^+)	[M1]		B(M1)(W.u.)=0.54 *14*
		606.108	2.90 *10*	1759.034	2^+			
		1307.375	26.9 *8*	1057.739	1^+	[E2]		B(E2)(W.u.)=5.5 *14*
		1948.219	64.7 *20*	416.852	3^+			
		2365.034	1.75 *8*	0.0	5^+	[E2]		B(E2)(W.u.)=0.019 *5*
2545.367	3^+	475.892	100.0 *15*	2069.47	(2^+)	[M1]		B(M1)(W.u.)=0.20 *5*
		786.320	4.9 *3*	1759.034	2^+			
		1487.582	3.7 *3*	1057.739	1^+	[E2]		B(E2)(W.u.)=0.62 *16*
		2128.421	38.2 *15*	416.852	3^+	M1+E2	+1.5 *4*	B(M1)(W.u.)=0.00026 *12*; B(E2)(W.u.)=0.74 *22* Mult.,δ: From 1969Bi04, based on directional correlation results.
		2545.232	0.31 *9*	0.0	5^+	[E2]		B(E2)(W.u.)=0.0035 *14*
2660.92	2^+	589.27	5.6 *13*	2071.64	1^+			
		591.44	41.0 *16*	2069.47	(2^+)	[M1]		B(M1)(W.u.)=0.009 *9*
		810.29	2.5 *3*	1850.62	1^+			
		901.87	1.02 *8*	1759.034	2^+			
		1603.13	14.8 *5*	1057.739	1^+			
		2243.96	100 *3*	416.852	3^+			
2740.03	1^+	2323.07	0.81 *20*	416.852	3^+	[E2]		B(E2)(W.u.)=0.47 *13*
		2511.59	100.00 *20*	228.305	0^+	M1		B(M1)(W.u.)=0.044 *5*
2913.40	2^+	843.92	100.0 *13*	2069.47	(2^+)	[M1]		B(M1)(W.u.)=0.365 *23*
		1062.76	1.55 *6*	1850.62	1^+			
		1154.34	1.17 *6*	1759.034	2^+			
		1855.59	1.17 *6*	1057.739	1^+			
		2496.42	43.7 *13*	416.852	3^+			
3073.63	3^+	1004.14	100.0 *6*	2069.47	(2^+)	[M1]		B(M1)(W.u.)=0.093 *15*
		1222.98	3.23 *10*	1850.62	1^+	[E2]		B(E2)(W.u.)=6.3 *11*
		1314.56	0.44 *5*	1759.034	2^+			
		2015.81	14.7 *5*	1057.739	1^+	[E2]		B(E2)(W.u.)=2.3 *4*
		2656.63	0.60 *24*	416.852	3^+			
		3073.43	0.95 *11*	0.0	5^+	[E2]		B(E2)(W.u.)=0.018 *4*

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Adopted Levels, Gammas (continued)

$\gamma(^{26}Al)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.	Comments
3159.889	2^+	614.514	2.24 *8*	2545.367	3^+	[M1]	B(M1)(W.u.)=0.39 *8*
		794.726	0.35 *8*	2365.150	3^+	[M1]	B(M1)(W.u.)=0.028 *9*
		1088.224	4.25 *13*	2071.64	1^+	[M1]	B(M1)(W.u.)=0.13 *3*
		1309.233	0.55 *5*	1850.62	1^+	[M1]	B(M1)(W.u.)=0.0098 *22*
		1400.814	23.1 *6*	1759.034	2^+	[M1]	B(M1)(W.u.)=0.34 *7*
		2102.058	25.7 *8*	1057.739	1^+	M1	B(M1)(W.u.)=0.09 *3*
		2742.881	100.0 *11*	416.852	3^+	M1	B(M1)(W.u.)=0.16 *6*
		2931.406	0.69 *8*	228.305	0^+	E2	B(E2)(W.u.)=0.72 *17*
3402.65	5^+	1037.48	0.84 *11*	2365.150	3^+	[E2]	B(E2)(W.u.)=7.4 *17*
		1333.75	9.3 *4*	2068.86	(4^+)		
		2985.61	100.0 *18*	416.852	3^+	[E2]	B(E2)(W.u.)=4.4 *8*
		3402.41	64.9 *18*	0.0	5^+	(M1+E2)	B(E2)(W.u.)=1.5 *3* Mult.: From γ-ray angular distribution and strength measurements (1971Sh19).
3507.63	6^+	1438.73	0.32 *7*	2068.86	(4^+)	[E2]	B(E2)(W.u.)=3.8 *11*
		3507.37	100.0 *1*	0.0	5^+	(M1+)E2	B(E2)(W.u.)=13.7 *25* Mult.,δ: From 1971Sh19. $\delta \approx \infty$.
3596.34	3^+	1526.82	100.00 *22*	2069.47	(2^+)	[M1]	B(M1)(W.u.)=0.32 *6*
		1745.66	1.07 *7*	1850.62	1^+	[E2]	B(E2)(W.u.)=4.2 *8*
		2538.47	3.48 *11*	1057.739	1^+	[E2]	B(E2)(W.u.)=2.1 *4*
		3179.28	0.20 *4*	416.852	3^+		
		3596.07	4.02 *22*	0.0	5^+	[E2]	B(E2)(W.u.)=0.42 *8*
3674.92	4^+	1129.53	3.5 *4*	2545.367	3^+		
		1309.73	14.2 *7*	2365.150	3^+		
		1606.01	1.75 *18*	2068.86	(4^+)		
		1915.81	48.0 *14*	1759.034	2^+	[E2]	B(E2)(W.u.)=8.5 *12*
		3257.85	100.0 *16*	416.852	3^+		
		3674.64	7.7 *4*	0.0	5^+		
3680.68	3^+	520.79	0.28 *4*	3159.889	2^+	[M1]	B(M1)(W.u.)=0.049 *11*
		767.27	0.13 *5*	2913.40	2^+		
		1611.16	100.00 *21*	2069.47	(2^+)	[M1]	B(M1)(W.u.)=0.59 *10*
		1829.99	0.19 *4*	1850.62	1^+	[E2]	B(E2)(W.u.)=1.3 *4*
		1921.57	1.23 *6*	1759.034	2^+		
		2622.80	2.79 *21*	1057.739	1^+	[E2]	B(E2)(W.u.)=3.1 *6*
		3263.61	1.77 *8*	416.852	3^+		
		3680.40	0.77 *8*	0.0	5^+	[E2]	B(E2)(W.u.)=0.16 *4*
3723.81	1^+	1062.87	0.35 *9*	2660.92	2^+		
		2665.92	0.44 *9*	1057.739	1^+		
		3495.25	100.0 *1*	228.305	0^+	M1	B(M1)(W.u.)=0.12 *4*
3750.90	2^+	591.00	23.2 *14*	3159.889	2^+	[M1]	B(M1)(W.u.)=0.76 *22*
		837.49	0.57 *10*	2913.40	2^+		
		1385.71	0.19 *10*	2365.150	3^+		
		1681.37	100 *3*	2069.47	(2^+)	[M1]	B(M1)(W.u.)=0.14 *4*
		1900.20	0.39 *10*	1850.62	1^+		
		1991.78	0.28 *9*	1759.034	2^+		
		2693.01	13.9 *4*	1057.739	1^+		
		3333.82	9.0 *12*	416.852	3^+		
3753.63	0^+	1013.58	2.2 *3*	2740.03	1^+	[M1]	B(M1)(W.u.)=0.08 *4*
		1681.93	11.0 *3*	2071.64	1^+	[M1]	B(M1)(W.u.)=0.09 *4*
		1902.93	3.0 *4*	1850.62	1^+	[M1]	B(M1)(W.u.)=0.017 *7*
		2695.74	100.0 *5*	1057.739	1^+	[M1]	B(M1)(W.u.)=0.19 *8*
3921.96	7^+,(5^+)	3921.64	100	0.0	5^+		
3962.83	(3^+)	1222.77	0.7 *3*	2740.03	1^+	[E2]	B(E2)(W.u.)=6 *3*
		1301.88	2.1 *10*	2660.92	2^+		
		1597.63	4.9 *4*	2365.150	3^+		

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Adopted Levels, Gammas (continued)

$\gamma(^{26}Al)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.	Comments
3962.83	(3^+)	1893.29	100.0 *14*	2069.47	(2^+)	[M1]	B(M1)(W.u.)=0.062 *9*
		2112.12	2.3 *3*	1850.62	1^+	[E2]	B(E2)(W.u.)=1.28 *25*
		2203.70	3.1 *4*	1759.034	2^+		
		2904.92	15.9 *6*	1057.739	1^+	[E2]	B(E2)(W.u.)=1.8 *3*
		3545.72	5.6 *4*	416.852	3^+		
		3962.50	7.9 *4*	0.0	5^+	[E2]	B(E2)(W.u.)=0.19 *3*
3977.91	0^-	1906.19	1.5 *3*	2071.64	1^+	[E1]	B(E1)(W.u.)<1.0×10^{-6}
		2127.20	100.0 *16*	1850.62	1^+	[E1]	B(E1)(W.u.)<5.0×10^{-5}
		2919.99	59.7 *16*	1057.739	1^+	[E1]	B(E1)(W.u.)<1.1×10^{-5}
4191.92	(3^+)	595.57	1.50 *12*	3596.34	3^+	[M1]	B(M1)(W.u.)=0.18 *8*
		1278.49	0.66 *7*	2913.40	2^+	[M1]	B(M1)(W.u.)=0.008 *4*
		1530.95	0.9 *3*	2660.92	2^+		
		1646.50	3.57 *17*	2545.367	3^+	[M1]	B(M1)(W.u.)=0.021 *9*
		1826.70	15.8 *9*	2365.150	3^+	[M1]	B(M1)(W.u.)=0.07 *3*
		2122.97	40.6 *12*	2068.86	(4^+)	[M1]	B(M1)(W.u.)=0.11 *5*
		2432.76	6.6 *3*	1759.034	2^+		
		3774.77	100.0 *15*	416.852	3^+	[M1]	B(M1)(W.u.)=0.048 *20*
		4191.56	0.41 *10*	0.0	5^+	[E2]	B(E2)(W.u.)=0.046 *22*
4205.86	(4^+)	530.93	0.061 *15*	3674.92	4^+		
		1132.20	0.79 *5*	3073.63	3^+		
		1292.43	0.95 *8*	2913.40	2^+	[E2]	B(E2)(W.u.)=3.5 *7*
		1544.89	12.3 *8*	2660.92	2^+	[E2]	B(E2)(W.u.)=18 *4*
		1660.44	4.8 *3*	2545.367	3^+		
		1840.64	10.3 *8*	2365.150	3^+		
		2136.91	16.1 *11*	2068.86	(4^+)		
		2446.70	1.67 *11*	1759.034	2^+	[E2]	B(E2)(W.u.)=0.25 *5*
		3788.71	100.0 *15*	416.852	3^+		
		4205.49	4.4 *3*	0.0	5^+		
4349.34	3^+	2279.76	100.0 *6*	2069.47	(2^+)	[M1]	B(M1)(W.u.)=0.19 *7*
		2590.17	0.85 *10*	1759.034	2^+		
		3291.38	1.9 *2*	1057.739	1^+	[E2]	B(E2)(W.u.)=0.64 *23*
		3932.17	2.8 *6*	416.852	3^+		
		4348.95	0.64 *11*	0.0	5^+	[E2]	B(E2)(W.u.)=0.053 *20*
4430.72	2^-	1270.80	5.7 *5*	3159.889	2^+	[E1]	B(E1)(W.u.)=0.00022 *6*
		1885.28	1.6 *5*	2545.367	3^+	[E1]	B(E1)(W.u.)=1.9×10^{-5} *8*
		2065.48	3.0 *10*	2365.150	3^+	[E1]	B(E1)(W.u.)=2.7×10^{-5} *11*
		2361.13	100 *5*	2069.47	(2^+)	[E1]	B(E1)(W.u.)=0.00060 *14*
		2579.96	1.0 *5*	1850.62	1^+	[E1]	B(E1)(W.u.)=5
		2671.54	4.8 *10*	1759.034	2^+	[E1]	B(E1)(W.u.)=2.0×10^{-5} *6*
		3372.74	1.1 *3*	1057.739	1^+	[E1]	B(E1)(W.u.)=2.3×10^{-6} *8*
		4013.53	48 *5*	416.852	3^+	[E1]	B(E1)(W.u.)=5.9×10^{-5} *15*
4480.48	0^-	1740.39	37.0 *14*	2740.03	1^+	[E1]	B(E1)(W.u.)=0.00039 *8*
		2408.72	100.0 *23*	2071.64	1^+	[E1]	B(E1)(W.u.)=0.00039 *8*
		2629.72	77.3 *23*	1850.62	1^+	[E1]	B(E1)(W.u.)=0.00023 *5*
		3422.50	11.8 *11*	1057.739	1^+	[E1]	B(E1)(W.u.)=1.6×10^{-5} *4*
4547.92	2^+	867.22	0.48 *6*	3680.68	3^+	[M1]	B(M1)(W.u.)>0.0070
		1634.46	1.00 *8*	2913.40	2^+		
		1807.82	1.48 *10*	2740.03	1^+		
		1886.93	0.42 *10*	2660.92	2^+		
		2002.47	11.0 *4*	2545.367	3^+	[M1]	B(M1)(W.u.)>0.013
		2182.67	6.87 *21*	2365.150	3^+		
		2476.15	2.71 *13*	2071.64	1^+		
		2697.15	0.17 *6*	1850.62	1^+		
		2788.72	14.6 *4*	1759.034	2^+		

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Adopted Levels, Gammas (continued)

$\gamma(^{26}Al)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.	Comments
4547.92	2^+	3489.93	100.0 *21*	1057.739	1^+		
		4130.71	68.8 *21*	416.852	3^+		
		4319.23	1.19 *10*	228.305	0^+	[E2]	B(E2)(W.u.)>0.043
4599.17	(3^+)	848.26	3.8 *4*	3750.90	2^+	[M1]	B(M1)(W.u.)=0.13 *6*
		918.47	1.66 *10*	3680.68	3^+	[M1]	B(M1)(W.u.)=0.045 *19*
		924.23	6.5 *4*	3674.92	4^+	[M1]	B(M1)(W.u.)=0.17 *7*
		1525.49	2.10 *21*	3073.63	3^+	[M1]	B(M1)(W.u.)=0.012 *6*
		1685.71	7.1 *4*	2913.40	2^+	[M1]	B(M1)(W.u.)=0.031 *13*
		1938.17	13.8 *6*	2660.92	2^+	[M1]	B(M1)(W.u.)=0.040 *16*
		2053.72	10.5 *4*	2545.367	3^+	[M1]	B(M1)(W.u.)=0.026 *11*
		2233.92	5.45 *21*	2365.150	3^+		
		2530.18	5.45 *21*	2068.86	(4^+)		
		2839.97	100.0 *19*	1759.034	2^+	[M1]	B(M1)(W.u.)=0.09 *4*
		4181.95	53.0 *17*	416.852	3^+		
4622.38	(2^-)	1462.45	3.4 *6*	3159.889	2^+	[E1]	B(E1)(W.u.)=5×10^{-5} *2*
		1548.70	14.1 *13*	3073.63	3^+	[E1]	B(E1)(W.u.)=0.00018 *7*
		1882.28	100 *3*	2740.03	1^+	[E1]	B(E1)(W.u.)=0.00069 *24*
		1961.38	60.0 *16*	2660.92	2^+	[E1]	B(E1)(W.u.)=0.00037 *13*
		2076.92	6.6 *19*	2545.367	3^+	[E1]	B(E1)(W.u.)=3.4×10^{-5} *16*
		2257.12	3.8 *9*	2365.150	3^+	[E1]	B(E1)(W.u.)=1.5×10^{-5} *7*
		2552.77	57.2 *25*	2069.47	(2^+)	[E1]	B(E1)(W.u.)=0.00016 *6*
		2771.60	28.4 *22*	1850.62	1^+	[E1]	B(E1)(W.u.)=6.2×10^{-5} *22*
		3564.38	4.7 *9*	1057.739	1^+	[E1]	B(E1)(W.u.)=4.8×10^{-6} *19*
		4205.16	35.9 *25*	416.852	3^+	[E1]	B(E1)(W.u.)=2.2×10^{-5} *8*
4705.37	(4^+)	1024.67	0.9 *4*	3680.68	3^+	[M1]	B(M1)(W.u.)>0.035
		1631.68	1.1 *4*	3073.63	3^+	[M1]	B(M1)(W.u.)>0.011
		2159.91	27.9 *9*	2545.367	3^+	[M1]	B(M1)(W.u.)>0.12
		2340.11	44.7 *14*	2365.150	3^+	[M1]	B(M1)(W.u.)>0.15
		2636.37	1.05 *18*	2068.86	(4^+)		
		4288.14	0.53 *18*	416.852	3^+		
		4704.91	100.0 *18*	0.0	5^+		
4773.35	4^+	581.42	13.7 *10*	4191.92	(3^+)	[M1]	B(M1)(W.u.)=0.056 *10*
		1092.65	1.27 *10*	3680.68	3^+		
		1098.41	0.4 *1*	3674.92	4^+		
		1176.98	0.87 *13*	3596.34	3^+		
		1370.66	2.0 *7*	3402.65	5^+		
		1699.66	11.7 *7*	3073.63	3^+		
		1859.88	19.3 *7*	2913.40	2^+	[E2]	B(E2)(W.u.)=3.9 *6*
		2112.34	87 *3*	2660.92	2^+	[E2]	B(E2)(W.u.)=9.4 *15*
		2227.88	18.0 *7*	2545.367	3^+		
		2408.08	27 *1*	2365.150	3^+		
		2704.34	10 *1*	2068.86	(4^+)		
		3014.13	1.3 *3*	1759.034	2^+	[E2]	B(E2)(W.u.)=0.024 *7*
		4356.10	100 *3*	416.852	3^+		
		4772.88	40.3 *17*	0.0	5^+		
4939.64	(1^-)	1185.98	5.25 *25*	3753.63	0^+	E1	B(E1)(W.u.)=0.00028 *6*
		1779.69	1.3 *4*	3159.889	2^+	[E1]	B(E1)(W.u.)=2.1×10^{-5} *8*
		2199.51	0.6 *4*	2740.03	1^+	[E1]	B(E1)(W.u.)=5
		2278.61	1.0 *3*	2660.92	2^+	[E1]	B(E1)(W.u.)=8×10^{-6} *3*
		2867.83	7.1 *15*	2071.64	1^+	[E1]	B(E1)(W.u.)=2.7×10^{-5} *8*
		2870.00	6.1 *15*	2069.47	(2^+)		
		3088.82	1.0 *4*	1850.62	1^+	[E1]	B(E1)(W.u.)=3.0×10^{-6} *14*
		3180.40	0.63 *25*	1759.034	2^+	[E1]	B(E1)(W.u.)=1.8×10^{-6} *8*
		3881.59	1.5 *5*	1057.739	1^+	[E1]	B(E1)(W.u.)=2.3×10^{-6} *9*

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Adopted Levels, Gammas (continued)

$\gamma(^{26}Al)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.	Comments
4939.64	(1^-)	4710.87	100.0 *13*	228.305	0^+	[E1]	B(E1)(W.u.)=8.6×10^{-5} *18*
4940.79	(5^+)	1265.84	0.56 *19*	3674.92	4^+		
		1433.12	3.33 *19*	3507.63	6^+		
		1867.09	0.46 *15*	3073.63	3^+	[E2]	B(E2)(W.u.)=0.56 *24*
		2395.30	39.8 *15*	2545.367	3^+	[E2]	B(E2)(W.u.)=14 *4*
		2575.50	38.1 *11*	2365.150	3^+	[E2]	B(E2)(W.u.)=9.3 *24*
		2871.76	1.3 *4*	2068.86	(4^+)		
		4523.51	100.0 *19*	416.852	3^+	[E2]	B(E2)(W.u.)=1.5 *4*
		4940.28	2.0 *4*	0.0	5^+		
4952.30	(3^+)	760.37	2.3 *4*	4191.92	(3^+)	[M1]	B(M1)(W.u.)=0.066 *23*
		1792.34	100.0 *18*	3159.889	2^+	[M1]	B(M1)(W.u.)=0.22 *7*
		2038.81	1.58 *18*	2913.40	2^+		
		2212.17	1.75 *18*	2740.03	1^+	[E2]	B(E2)(W.u.)=2.3 *8*
		2406.81	1.1 *4*	2545.367	3^+		
		2882.66	44.0 *14*	2069.47	(2^+)	[M1]	B(M1)(W.u.)=0.023 *7*
		3101.48	4.6 *4*	1850.62	1^+	[E2]	B(E2)(W.u.)=1.1 *4*
		3894.25	3.3 *4*	1057.739	1^+	[E2]	B(E2)(W.u.)=0.26 *9*
		4535.02	16.5 *5*	416.852	3^+		
5006.66	(2^-)	2093.17	4.2 *8*	2913.40	2^+	[E1]	B(E1)(W.u.)=1.9×10^{-5} *6*
		2266.52	3.5 *8*	2740.03	1^+	[E1]	B(E1)(W.u.)=1.3×10^{-5} *5*
		2345.63	3.5 *9*	2660.92	2^+	[E1]	B(E1)(W.u.)=1.1×10^{-5} *4*
		2937.01	100 *3*	2069.47	(2^+)	[E1]	B(E1)(W.u.)=0.00016 *5*
		3155.83	2.9 *12*	1850.62	1^+	[E1]	B(E1)(W.u.)=3.8×10^{-6} *19*
		3247.41	10.8 *15*	1759.034	2^+	[E1]	B(E1)(W.u.)=1.3×10^{-5} *4*
		3948.60	29.2 *15*	1057.739	1^+	[E1]	B(E1)(W.u.)=2.0×10^{-5} *5*
5010.24	(1^+)	1256.58	2.4 *8*	3753.63	0^+	[M1]	B(M1)(W.u.)>0.043
		4781.46	100.0 *8*	228.305	0^+	[M1]	B(M1)(W.u.)>0.033
5131.93	(4^+)	782.58	0.72 *7*	4349.34	3^+	[M1]	B(M1)(W.u.)>0.049
		926.05	1.17 *5*	4205.86	(4^+)	[M1]	B(M1)(W.u.)>0.048
		939.99	0.20 *2*	4191.92	(3^+)		
		1169.07	4.5 *13*	3962.83	(3^+)	[M1]	B(M1)(W.u.)>0.092
		1451.21	1.01 *15*	3680.68	3^+		
		1456.97	0.27 *5*	3674.92	4^+		
		1535.54	9.2 *2*	3596.34	3^+	[M1]	B(M1)(W.u.)>0.083
		1729.22	11.2 *5*	3402.65	5^+		
		1971.96	0.61 *7*	3159.889	2^+	[E2]	B(E2)(W.u.)>3.8
		2058.21	42.8 *13*	3073.63	3^+	[M1]	B(M1)(W.u.)>0.16
		2586.42	2.17 *16*	2545.367	3^+		
		2766.62	100 *2*	2365.150	3^+	[M1]	B(M1)(W.u.)>0.15
		3062.27	11.4 *22*	2069.47	(2^+)	[E2]	B(E2)(W.u.)>7.8
		3062.88	35.9 *22*	2068.86	(4^+)	[M1]	B(M1)(W.u.)>0.041
		3372.66	0.11 *2*	1759.034	2^+	[E2]	B(E2)(W.u.)>0.046
		4714.62	1.4 *2*	416.852	3^+		
		5131.38	0.94 *7*	0.0	5^+		
5141.68	(2^+)	1178.82	1.6 *3*	3962.83	(3^+)	[M1]	B(M1)(W.u.)>0.043
		1545.29	1.7 *4*	3596.34	3^+	[M1]	B(M1)(W.u.)>0.020
		2776.37	0.86 *12*	2365.150	3^+		
		3069.84	1.0 *4*	2071.64	1^+		
		3382.41	14.8 *12*	1759.034	2^+		
		4083.59	3.6 *5*	1057.739	1^+		
		4724.36	100.0 *25*	416.852	3^+		
5195.11	(0^+)	1471.25	35.7 *24*	3723.81	1^+	[M1]	B(M1)(W.u.)>0.043
		3123.27	100 *7*	2071.64	1^+	[M1]	B(M1)(W.u.)>0.013
		3344.26	21.4 *24*	1850.62	1^+	[M1]	B(M1)(W.u.)>0.0022
		4137.02	81 *7*	1057.739	1^+	[M1]	B(M1)(W.u.)>0.0044

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Adopted Levels, Gammas (continued)

$\gamma(^{26}Al)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.	Comments
5245.28	(4$^+$)	539.90	5.9 *4*	4705.37	(4$^+$)	[M1]	B(M1)(W.u.)=0.32 *9*
		895.92	0.70 *9*	4349.34	3$^+$		
		1039.40	0.93 *11*	4205.86	(4$^+$)		
		1053.34	100.0 *22*	4191.92	(3$^+$)	[M1]	B(M1)(W.u.)=0.72 *19*
		1282.42	3.91 *22*	3962.83	(3$^+$)		
		1494.33	0.17 *7*	3750.90	2$^+$	[E2]	B(E2)(W.u.)=1.1 *6*
		1564.55	0.93 *9*	3680.68	3$^+$	[M1]	B(M1)(W.u.)=0.0021 *6*
		1570.31	0.41 *11*	3674.92	4$^+$		
		1648.88	4.6 *11*	3596.34	3$^+$		
		1737.59	0.54 *9*	3507.63	6$^+$	[E2]	B(E2)(W.u.)=1.6 *5*
		1842.56	3.3 *11*	3402.65	5$^+$		
		2171.55	11.3 *4*	3073.63	3$^+$		
		2331.77	12.2 *4*	2913.40	2$^+$	[E2]	B(E2)(W.u.)=8.4 *22*
		2584.22	6.3 *2*	2660.92	2$^+$	[E2]	B(E2)(W.u.)=2.6 *7*
		2699.76	5.4 *4*	2545.367	3$^+$		
		2879.96	19.8 *7*	2365.150	3$^+$		
		3175.60	8.3 *4*	2069.47	(2$^+$)	[E2]	B(E2)(W.u.)=1.2 *4*
		3485.99	16.1 *7*	1759.034	2$^+$	[E2]	B(E2)(W.u.)=1.5 *4*
		4827.94	8.5 *4*	416.852	3$^+$		
		5244.71	7.8 *4*	0.0	5$^+$		
5395.53	(4$^-$)	773.14	0.85 *11*	4622.38	(2$^-$)	[E2]	B(E2)(W.u.)=27 *22*
		796.35	4.13 *22*	4599.17	(3$^+$)	[E1]	B(E1)(W.u.)=0.0004 *3*
		1203.58	13.3 *4*	4191.92	(3$^+$)	[E1]	B(E1)(W.u.)=0.0004 *3*
		1720.55	0.33 *9*	3674.92	4$^+$	[E1]	B(E1)(W.u.)=4
		1799.12	6.52 *22*	3596.34	3$^+$	[E1]	B(E1)(W.u.)=6
		1992.80	0.24 *11*	3402.65	5$^+$	[E1]	B(E1)(W.u.)=1.7×10^{-6} *15*
		2321.79	4.13 *22*	3073.63	3$^+$	[E1]	B(E1)(W.u.)=1.8×10^{-5} *14*
		2849.99	2.83 *22*	2545.367	3$^+$	[E1]	B(E1)(W.u.)=7
		3030.19	7.83 *22*	2365.150	3$^+$	[E1]	B(E1)(W.u.)=1.5×10^{-5} *12*
		3326.44	4.57 *22*	2068.86	(4$^+$)	[E1]	B(E1)(W.u.)=7
		4978.16	100.0 *22*	416.852	3$^+$	[E1]	B(E1)(W.u.)=4
		5394.93	71.7 *22*	0.0	5$^+$	[E1]	B(E1)(W.u.)=2.5×10^{-5} *20*
5431.23	(1$^-$)	883.29	2.33 *21*	4547.92	2$^+$	[E1]	B(E1)(W.u.)=0.0006 *3*
		950.73	0.82 *21*	4480.48	0$^-$	[M1]	B(M1)(W.u.)=0.005 *3*
		1677.54	79 *9*	3753.63	0$^+$	[E1]	B(E1)(W.u.)=0.0028 *15*
		2770.15	1.5 *3*	2660.92	2$^+$	[E1]	B(E1)(W.u.)=1.2×10^{-5} *7*
		3359.36	36 *15*	2071.64	1$^+$	[E1]	B(E1)(W.u.)=0.00016 *11*
		3361.53	100 *15*	2069.47	(2$^+$)	[E1]	B(E1)(W.u.)=0.00045 *24*
		3580.34	18.8 *6*	1850.62	1$^+$	[E1]	B(E1)(W.u.)=7
		3671.92	2.4 *3*	1759.034	2$^+$	[E1]	B(E1)(W.u.)=8
		4373.09	82 *6*	1057.739	1$^+$	[E1]	B(E1)(W.u.)=0.00017 *9*
		5202.36	55.8 *18*	228.305	0$^+$	[E1]	B(E1)(W.u.)=7
5456.71	(3$^-$)	751.33	1.1 *3*	4705.37	(4$^+$)	[E1]	B(E1)(W.u.)=0.00045 *17*
		908.77	15.3 *8*	4547.92	2$^+$	[E1]	B(E1)(W.u.)=0.0036 *9*
		1705.75	1.4 *6*	3750.90	2$^+$	[E1]	B(E1)(W.u.)=4.9×10^{-5} *24*
		1775.96	1.4 *6*	3680.68	3$^+$	[E1]	B(E1)(W.u.)=4.4×10^{-5} *22*
		1781.72	1.4 *6*	3674.92	4$^+$	[E1]	B(E1)(W.u.)=4.3×10^{-5} *22*
		1860.30	1.1 *3*	3596.34	3$^+$	[E1]	B(E1)(W.u.)=3.0×10^{-5} *11*
		2296.71	14.4 *8*	3159.889	2$^+$	[E1]	B(E1)(W.u.)=0.00021 *5*
		2382.96	15.6 *8*	3073.63	3$^+$	[E1]	B(E1)(W.u.)=0.00020 *5*
		2795.63	53.3 *25*	2660.92	2$^+$	[E1]	B(E1)(W.u.)=0.00043 *11*
		2911.17	3.3 *6*	2545.367	3$^+$	[E1]	B(E1)(W.u.)=2.3×10^{-5} *7*
		3091.36	6.1 *6*	2365.150	3$^+$	[E1]	B(E1)(W.u.)=3.6×10^{-5} *10*
		3387.00	27.5 *11*	2069.47	(2$^+$)	[E1]	B(E1)(W.u.)=0.00012 *3*

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Adopted Levels, Gammas (continued)

$\gamma(^{26}Al)$ (continued)

E_i(level)	J_i^π	E_γ †	I_γ ‡	E_f	J_f^π	Mult.	Comments
5456.71	(3$^-$)	3697.39	18.3 *8*	1759.034	2$^+$	[E1]	B(E1)(W.u.)=6.3×10^{-5} *16*
		5039.33	100 *8*	416.852	3$^+$	[E1]	B(E1)(W.u.)=0.00014 *4*
5461.87	0$^+$,(1,2)	2301.87	26 *9*	3159.889	2$^+$		
		2548.34	87 *17*	2913.40	2$^+$		
		2721.69	74 *13*	2740.03	1$^+$		
		2800.79	35 *9*	2660.92	2$^+$		
		3610.98	35 *13*	1850.62	1$^+$		
		3702.55	100 *13*	1759.034	2$^+$		
		4403.73	78 *13*	1057.739	1$^+$		
5487.93	5$^+$,(4$^-$)	2085.19	5.3 *19*	3402.65	5$^+$		
		2414.18	100 *5*	3073.63	3$^+$		
		3122.58	14 *3*	2365.150	3$^+$		
		3418.83	22 *3*	2068.86	(4$^+$)		
		5487.30	16 *3*	0.0	5$^+$		
5494.51	(2$^+$)	946.57	2.42 *22*	4547.92	2$^+$	[M1]	B(M1)(W.u.)>0.11
		1898.09	3.1 *10*	3596.34	3$^+$		
		2334.51	4.7 *6*	3159.889	2$^+$	[M1]	B(M1)(W.u.)>0.015
		3424.80	100.0 *11*	2069.47	(2$^+$)	[M1]	B(M1)(W.u.)>0.099
5513.48	(4$^+$)	381.55	0.70 *14*	5131.93	(4$^+$)	[M1]	B(M1)(W.u.)=0.029 *7*
		808.10	1.62 *16*	4705.37	(4$^+$)	[M1]	B(M1)(W.u.)=0.0072 *11*
		1164.11	3.11 *19*	4349.34	3$^+$		
		1321.52	100 *3*	4191.92	(3$^+$)	[M1]	B(M1)(W.u.)=0.101 *12*
		1762.52	0.78 *19*	3750.90	2$^+$	[E2]	B(E2)(W.u.)=0.60 *17*
		1917.06	1.1 *3*	3596.34	3$^+$		
		2599.94	2.89 *22*	2913.40	2$^+$	[E2]	B(E2)(W.u.)=0.32 *5*
		2852.39	1.97 *22*	2660.92	2$^+$	[E2]	B(E2)(W.u.)=0.136 *22*
		2967.93	1.97 *24*	2545.367	3$^+$		
		3148.12	16.5 *5*	2365.150	3$^+$		
		3444.37	11.6 *5*	2068.86	(4$^+$)		
		3754.15	71.9 *22*	1759.034	2$^+$	[E2]	B(E2)(W.u.)=1.26 *15*
		5096.09	25.7 *11*	416.852	3$^+$		
		5512.85	30.3 *11*	0.0	5$^+$		
5544.56	(2$^+$)	1581.68	6.4 *11*	3962.83	(3$^+$)	[M1]	B(M1)(W.u.)=0.007 *6*
		1793.59	71 *4*	3750.90	2$^+$	[M1]	B(M1)(W.u.)=0.05 *4*
		1820.68	4.3 *14*	3723.81	1$^+$		
		1948.14	18 *4*	3596.34	3$^+$	[M1]	B(M1)(W.u.)=0.010 *9*
		2470.80	7.1 *14*	3073.63	3$^+$		
		2631.02	16 *3*	2913.40	2$^+$		
		2883.47	7.9 *14*	2660.92	2$^+$		
		2999.01	8.6 *18*	2545.367	3$^+$		
		3179.20	48 *3*	2365.150	3$^+$		
		3472.67	8.6 *14*	2071.64	1$^+$		
		3693.66	3.2 *11*	1850.62	1$^+$		
		3785.23	40.7 *25*	1759.034	2$^+$		
		4486.40	10.0 *18*	1057.739	1$^+$		
		5127.16	100 *7*	416.852	3$^+$		
		5315.67	5.7 *14*	228.305	0$^+$	[E2]	B(E2)(W.u.)=0.03 *2*
5569.16	(4,5)	863.77	23 *7*	4705.37	(4$^+$)		
		3500.05	39 *11*	2068.86	(4$^+$)		
		5568.52	100 *13*	0.0	5$^+$		
5584.99	(1)	1037.05	7.2 *4*	4547.92	2$^+$	[M1]	B(M1)(W.u.)>0.20
		1831.29	2.8 *4*	3753.63	0$^+$	M1	B(M1)(W.u.)>0.014
		2424.98	1.2 *4*	3159.889	2$^+$		
		2671.44	3.0 *4*	2913.40	2$^+$		
		3825.65	1.6 *5*	1759.034	2$^+$		

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

$\gamma(^{26}Al)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.	Comments
5584.99	(1)	5356.09	100.0 *8*	228.305	0^+	M1	B(M1)(W.u.)>0.021
5598.30	$(2,3)^-$	2438.29	100 *8*	3159.889	2^+	[E1]	B(E1)(W.u.)=0.0011 *5*
		3528.57	78 *8*	2069.47	(2^+)	[E1]	B(E1)(W.u.)=0.00029 *11*
		5180.89	73 *8*	416.852	3^+	[E1]	B(E1)(W.u.)=8×10^{-5} *4*
5671.04	1^+	1917.33	100 *4*	3753.63	0^+	M1	B(M1)(W.u.)>0.051
		1990.28	6.5 *16*	3680.68	3^+	[E2]	B(E2)(W.u.)>4.2
		2511.02	46.9 *20*	3159.889	2^+	[M1]	B(M1)(W.u.)>0.011
		4612.86	15.9 *24*	1057.739	1^+		
		5253.61	11.8 *18*	416.852	3^+	[E2]	B(E2)(W.u.)>0.060
		5442.12	22 *4*	228.305	0^+	M1	B(M1)(W.u.)>0.00049
5676.07	(4^-)	1076.88	3.56 *18*	4599.17	(3^+)	[E1]	B(E1)(W.u.)=0.00045 *21*
		1484.10	15.6 *4*	4191.92	(3^+)	[E1]	B(E1)(W.u.)=0.0008 *4*
		1995.31	3.02 *18*	3680.68	3^+	[E1]	B(E1)(W.u.)=6×10^{-5} *3*
		2001.07	0.49 *18*	3674.92	4^+	[E1]	B(E1)(W.u.)=1.0×10^{-5} *6*
		3130.50	7.78 *22*	2545.367	3^+	[E1]	B(E1)(W.u.)=4.0×10^{-5} *19*
		3310.69	1.76 *18*	2365.150	3^+	[E1]	B(E1)(W.u.)=8×10^{-6} *4*
		3606.94	0.84 *16*	2068.86	(4^+)	[E1]	B(E1)(W.u.)=2.8×10^{-6} *14*
		5258.64	100.0 *22*	416.852	3^+	[E1]	B(E1)(W.u.)=0.00011 *5*
		5675.40	88.9 *22*	0.0	5^+	[E1]	B(E1)(W.u.)=8×10^{-5} *4*
5692.15	(3^-)	550.46	0.52 *16*	5141.68	(2^+)	[E1]	B(E1)(W.u.)=0.0038 *19*
		1092.96	0.55 *18*	4599.17	(3^+)	[E1]	B(E1)(W.u.)=0.0005 *3*
		1144.20	0.48 *20*	4547.92	2^+	[E1]	B(E1)(W.u.)=0.00039 *23*
		1486.24	0.95 *18*	4205.86	(4^+)	[E1]	B(E1)(W.u.)=0.00035 *16*
		1500.18	41.6 *14*	4191.92	(3^+)	[E1]	B(E1)(W.u.)=0.015 *6*
		2011.39	4.1 *3*	3680.68	3^+	[E1]	B(E1)(W.u.)=0.00061 *25*
		2095.72	0.66 *14*	3596.34	3^+	[E1]	B(E1)(W.u.)=9×10^{-5} *4*
		2532.13	37.5 *11*	3159.889	2^+	[E1]	B(E1)(W.u.)=0.0028 *11*
		2618.38	1.57 *20*	3073.63	3^+	[E1]	B(E1)(W.u.)=0.00011 *5*
		3031.04	0.70 *20*	2660.92	2^+	[E1]	B(E1)(W.u.)=3.1×10^{-5} *15*
		3622.41	0.70 *18*	2069.47	(2^+)	[E1]	B(E1)(W.u.)=1.8×10^{-5} *9*
		3932.79	37.3 *11*	1759.034	2^+	[E1]	B(E1)(W.u.)=0.0007 *3*
		5274.72	100.0 *23*	416.852	3^+	[E1]	B(E1)(W.u.)=0.0008 *4*
5726.38	(4^+)	1377.00	2.2 *3*	4349.34	3^+	[M1]	B(M1)(W.u.)>0.014
		1763.49	16.5 *8*	3962.83	(3^+)	[M1]	B(M1)(W.u.)>0.049
		2051.37	1.9 *3*	3674.92	4^+		
		2129.95	6.5 *5*	3596.34	3^+	[M1]	B(M1)(W.u.)>0.011
		2323.62	22 *3*	3402.65	5^+	[M1]	B(M1)(W.u.)>0.029
		3361.00	13.5 *5*	2365.150	3^+		
		3657.24	16.2 *8*	2068.86	(4^+)		
		5308.94	89 *3*	416.852	3^+		
		5725.70	100 *3*	0.0	5^+		
5849.21	(2^+)	707.52	6.5 *13*	5141.68	(2^+)	[M1]	B(M1)(W.u.)=0.19 *13*
		1301.25	17.5 *19*	4547.92	2^+	[M1]	B(M1)(W.u.)=0.08 *6*
		1657.23	31 *4*	4191.92	(3^+)	[M1]	B(M1)(W.u.)=0.07 *5*
		2935.63	15 *6*	2913.40	2^+		
		3108.98	6.7 *19*	2740.03	1^+		
		3779.44	100 *6*	2069.47	(2^+)	[M1]	B(M1)(W.u.)=0.020 *12*
		4089.83	15 *4*	1759.034	2^+		
		5431.75	17 *4*	416.852	3^+		
5882.65	(3^+)	740.96	5.3 *23*	5141.68	(2^+)	[M1]	B(M1)(W.u.)>0.10
		750.71	5.1 *23*	5131.93	(4^+)	[M1]	B(M1)(W.u.)>0.095
		1177.25	5.3 *19*	4705.37	(4^+)	[M1]	B(M1)(W.u.)>0.026
		1260.24	7.2 *16*	4622.38	(2^-)	[E1]	B(E1)(W.u.)>0.00099
		1283.45	5.3 *12*	4599.17	(3^+)	[M1]	B(M1)(W.u.)>0.020

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Adopted Levels, Gammas (continued)

$\gamma(^{26}Al)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.	Comments
5882.65	(3^+)	1334.69	100 *5*	4547.92	2^+	[M1]	B(M1)(W.u.)>0.33
		1690.67	4.0 *16*	4191.92	(3^+)	[M1]	B(M1)(W.u.)>0.0065
		2722.61	21.6 *16*	3159.889	2^+		
		2808.86	2.3 *9*	3073.63	3^+		
		3812.88	27.0 *16*	2069.47	(2^+)		
		4031.69	9.5 *14*	1850.62	1^+	[E2]	B(E2)(W.u.)>0.40
		4123.26	7 *3*	1759.034	2^+		
		5465.18	32.6 *23*	416.852	3^+		
5916.10	(2^-)	774.41	2.7 *5*	5141.68	(2^+)	[E1]	B(E1)(W.u.)>0.0099
		1724.12	14.5 *9*	4191.92	(3^+)	[E1]	B(E1)(W.u.)>0.0048
		2165.10	5 *3*	3750.90	2^+	[E1]	B(E1)(W.u.)>0.00084
		2756.05	7.5 *9*	3159.889	2^+	[E1]	B(E1)(W.u.)>0.00061
		3002.51	4.3 *9*	2913.40	2^+	[E1]	B(E1)(W.u.)>0.00027
		3550.69	3.6 *9*	2365.150	3^+	[E1]	B(E1)(W.u.)>0.00014
		3846.32	48.6 *16*	2069.47	(2^+)	[E1]	B(E1)(W.u.)>0.0015
		4065.14	10.7 *25*	1850.62	1^+	[E1]	B(E1)(W.u.)>0.00027
		4156.71	15.0 *11*	1759.034	2^+	[E1]	B(E1)(W.u.)>0.00036
		4857.87	14 *5*	1057.739	1^+	[E1]	B(E1)(W.u.)>0.00021
		5498.62	100 *5*	416.852	3^+	[E1]	B(E1)(W.u.)>0.0010
5924.19	(4^+)	2243.41	40 *6*	3680.68	3^+	[M1]	B(M1)(W.u.)>0.031
		2521.41	7.3 *13*	3402.65	5^+		
		3378.59	100 *6*	2545.367	3^+		
		3855.02	23 *4*	2068.86	(4^+)		
		5923.46	38 *4*	0.0	5^+		
5949.93	$1^{(+)}$	2196.20	47 *6*	3753.63	0^+	M1	B(M1)(W.u.)>0.014
		2789.88	100 *9*	3159.889	2^+	[M1]	B(M1)(W.u.)>0.015
		3880.15	50 *9*	2069.47	(2^+)	[M1]	B(M1)(W.u.)>0.0027
		5720.95	32 *6*	228.305	0^+	M1	B(M1)(W.u.)>0.00055
							Also, additional γ ray (Iγ=65 *9*) from 5949.9 level.
6028.02	(1^+)	1021.34	2.5 *5*	5006.66	(2^-)	[E1]	
		1088.36	12.3 *14*	4939.64	(1^-)	[E1]	
		2050.02	2.0 *7*	3977.91	0^-	E1	
		2277.01	8.0 *20*	3750.90	2^+	[M1]	
		2304.10	50.2 *16*	3723.81	1^+	[M1]	
		3114.42	35.0 *11*	2913.40	2^+	[M1]	
		3287.77	8.0 *16*	2740.03	1^+		
		3956.05	6.6 *14*	2071.64	1^+		
		4268.61	2.7 *11*	1759.034	2^+		
		4969.77	100 *5*	1057.739	1^+		
6084.07	(5^-)	688.53	1.29 *13*	5395.53	(4^-)	[M1]	B(M1)(W.u.)=0.0054 *14*
		1310.68	1.32 *16*	4773.35	4^+		
		1378.66	15.9 *7*	4705.37	(4^+)	[E1]	B(E1)(W.u.)=0.00029 *7*
		2409.03	19.6 *18*	3674.92	4^+		
		2576.30	13.9 *5*	3507.63	6^+		
		4014.87	100 *4*	2068.86	(4^+)		
		6083.30	27.0 *9*	0.0	5^+		
6086.47	$(1^-,2^+)$	4016.67	66 *21*	2069.47	(2^+)		
		4235.48	62 *21*	1850.62	1^+		
		4327.05	34 *10*	1759.034	2^+		
		5857.45	100 *21*	228.305	0^+		Also, additional γ ray (Iγ=83 *21*) from 6086.5 level.
6120.01	$(4 \text{ to } 6)^+$	2444.97	9.0 *12*	3674.92	4^+		
		2717.21	38.2 *15*	3402.65	5^+		
		4050.81	100.0 *15*	2068.86	(4^+)		
6197.56	$(1,2^+)$	5968.51	100	228.305	0^+	E2	
6238.4	(1)	1096.7	27.9 *25*	5141.68	(2^+)		

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Adopted Levels, Gammas (continued)

$\gamma(^{26}Al)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.	Comments
6238.4	(1)	1690.4	36.4 *25*	4547.92	2^+		
		1807.6	4.6 *14*	4430.72	2^-		
		2260.4	25 *7*	3977.91	0^-		
		2484.6	18.2 *25*	3753.63	0^+		
		2514.5	1.8 *11*	3723.81	1^+		
		3078.3	4.6 *18*	3159.889	2^+		
		3324.8	4.3 *14*	2913.40	2^+		
		3498.1	14 *7*	2740.03	1^+		
		4168.6	100 *4*	2069.47	(2^+)		
		4387.4	6.4 *21*	1850.62	1^+		
		4478.9	8.2 *21*	1759.034	2^+		
		5180.1	50 *4*	1057.739	1^+		
		6009.3	54 *4*	228.305	0^+		
6270.19	1^+	1075.06	9 *3*	5195.11	(0^+)	M1	B(M1)(W.u.)>0.13
		3110.10	22 *3*	3159.889	2^+		
		6041.13	100 *5*	228.305	0^+	M1	B(M1)(W.u.)>0.0085 Also, additional γ ray (Iγ=41 *5*) from 6270.2 level.
6280.33	(3^+)	1138.62	37 *17*	5141.68	(2^+)	[M1]	B(M1)(W.u.)>0.14
		1148.37	29 *14*	5131.93	(4^+)	[M1]	B(M1)(W.u.)>0.10
		1681.10	29 *11*	4599.17	(3^+)	[M1]	B(M1)(W.u.)>0.033
		2088.32	66 *11*	4191.92	(3^+)	[M1]	B(M1)(W.u.)>0.040
		3120.24	100 *23*	3159.889	2^+	[M1]	B(M1)(W.u.)>0.018
		4210.49	26 *11*	2069.47	(2^+)		
6343.46	(3^-)	1211.50	14.6 *15*	5131.93	(4^+)	[E1]	B(E1)(W.u.)>0.0048
		1638.03	8.3 *22*	4705.37	(4^+)	[E1]	B(E1)(W.u.)>0.0011
		1744.23	100 *4*	4599.17	(3^+)	[E1]	B(E1)(W.u.)>0.011
		2151.44	30.4 *22*	4191.92	(3^+)	[E1]	B(E1)(W.u.)>0.0018
		3269.61	11.1 *24*	3073.63	3^+	[E1]	B(E1)(W.u.)>0.00019
		3797.79	28.3 *22*	2545.367	3^+	[E1]	B(E1)(W.u.)>0.00030
		3977.98	8.3 *11*	2365.150	3^+	[E1]	B(E1)(W.u.)>7.7×10^{-5}
		4274.22	18.9 *11*	2068.86	(4^+)	[E1]	B(E1)(W.u.)>0.00014
6363.99	(3^+)	2158.03	26 *7*	4205.86	(4^+)		
		2171.97	6 *4*	4191.92	(3^+)		
		2612.95	23 *3*	3750.90	2^+		
		2683.16	48 *4*	3680.68	3^+		
		2688.92	44 *15*	3674.92	4^+		
		3818.32	19 *7*	2545.367	3^+		
		3998.51	30 *7*	2365.150	3^+		
		4294.75	30 *7*	2068.86	(4^+)		
		4604.52	100 *11*	1759.034	2^+		
		5946.40	44 *7*	416.852	3^+		
6414.46	(0 to 2^+)	4563.41	100 *17*	1850.62	1^+		
		5356.13	67 *17*	1057.739	1^+		
6436.44	(3 to 5^+)	1304.47	100 *10*	5131.93	(4^+)		
		1731.01	90 *8*	4705.37	(4^+)		
		4367.18	18 *5*	2068.86	(4^+)		
		6018.84	49 *8*	416.852	3^+		
6495.94	(3 to 5^+)	769.5	11.5 *23*	5726.38	(4^+)		
		1790.5	20.9 *21*	4705.37	(4^+)		
		3093.1	45 *4*	3402.65	5^+		
		3422.0	15.8 *21*	3073.63	3^+		
		3950.2	2.9 *10*	2545.367	3^+		
		4130.4	3.1 *10*	2365.150	3^+		
		6078.2	100 *4*	416.852	3^+		
		6494.9	6.2 *21*	0.0	5^+		

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Adopted Levels, Gammas (continued)

γ(^{26}Al) (continued)

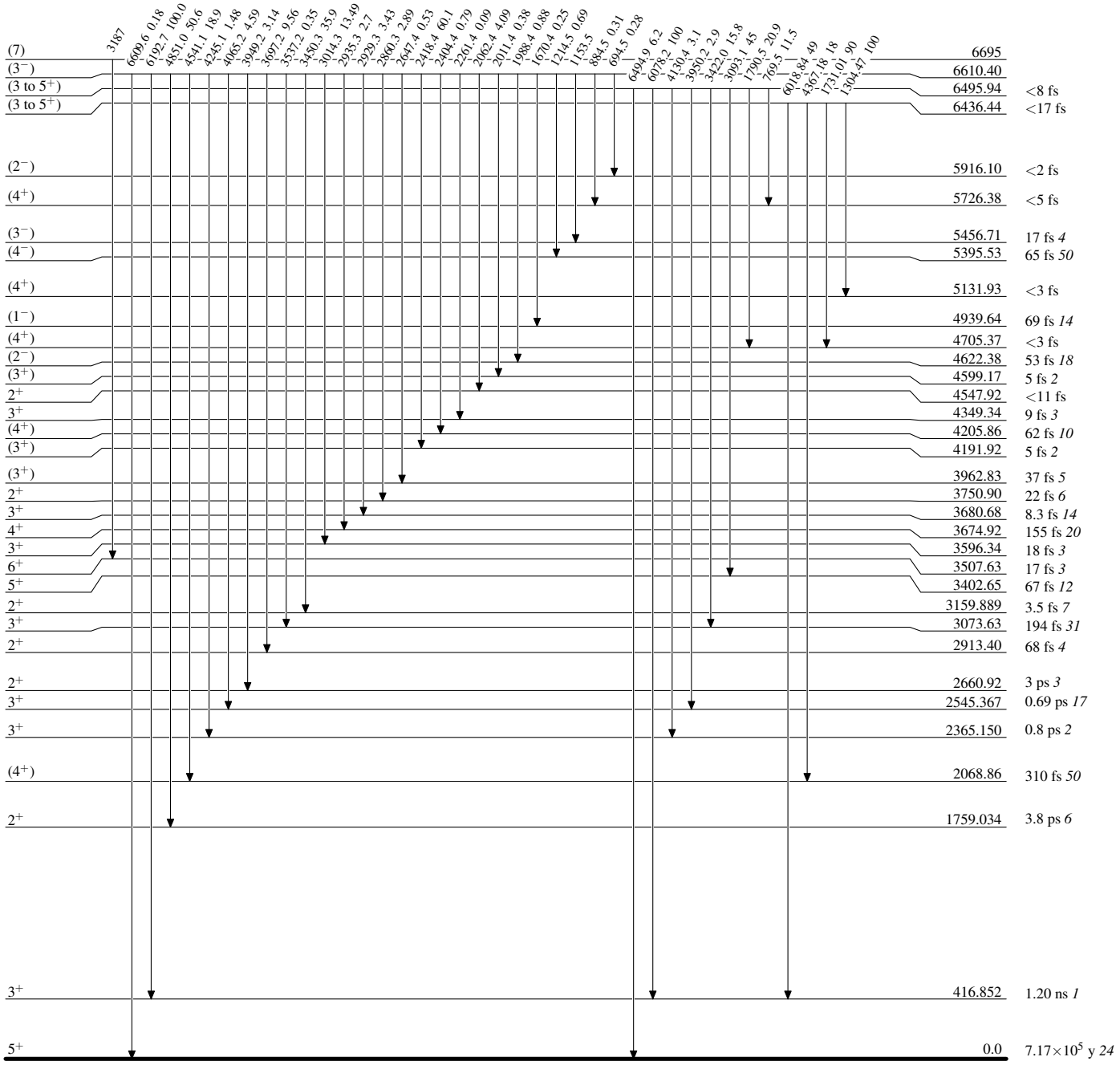
E_i(level)	J_i^π	E_γ †	I_γ ‡	E_f	J_f^π	E_i(level)	J_i^π	E_γ †	I_γ ‡	E_f	J_f^π
6610.40	(3$^-$)	694.5	0.28 *6*	5916.10	(2$^-$)	6610.40	(3$^-$)	2935.3	2.7 *4*	3674.92	4$^+$
		884.5	0.31 *3*	5726.38	(4$^+$)			3014.3	13.49 *22*	3596.34	3$^+$
		1153.5		5456.71	(3$^-$)			3450.3	35.9 *6*	3159.889	2$^+$
		1214.5	0.69 *6*	5395.53	(4$^-$)			3537.2	0.35 *13*	3073.63	3$^+$
		1670.4	0.25 *3*	4939.64	(1$^-$)			3697.2	9.56 *16*	2913.40	2$^+$
		1988.4	0.88 *22*	4622.38	(2$^-$)			3949.2	3.14 *6*	2660.92	2$^+$
		2011.4	0.38 *3*	4599.17	(3$^+$)			4065.2	4.59 *9*	2545.367	3$^+$
		2062.4	4.09 *22*	4547.92	2$^+$			4245.1	1.48 *6*	2365.150	3$^+$
		2261.4	0.09 *3*	4349.34	3$^+$			4541.1	18.9 *3*	2068.86	(4$^+$)
		2404.4	0.79 *6*	4205.86	(4$^+$)			4851.0	50.6 *9*	1759.034	2$^+$
		2418.4	60.1 *9*	4191.92	(3$^+$)			6192.7	100.0 *16*	416.852	3$^+$
		2647.4	0.53 *3*	3962.83	(3$^+$)			6609.6	0.18 *1*	0.0	5$^+$
		2860.3	2.89 *6*	3750.90	2$^+$	6695	(7)	3187		3507.63	6$^+$
		2929.3	3.43 *9*	3680.68	3$^+$						

† Deduced from level-energy differences, corrected for recoil.
‡ From 1988En01 (p,γ), except otherwise noted.

Adopted Levels, Gammas

Level Scheme

Intensities: Relative photon branching from each level

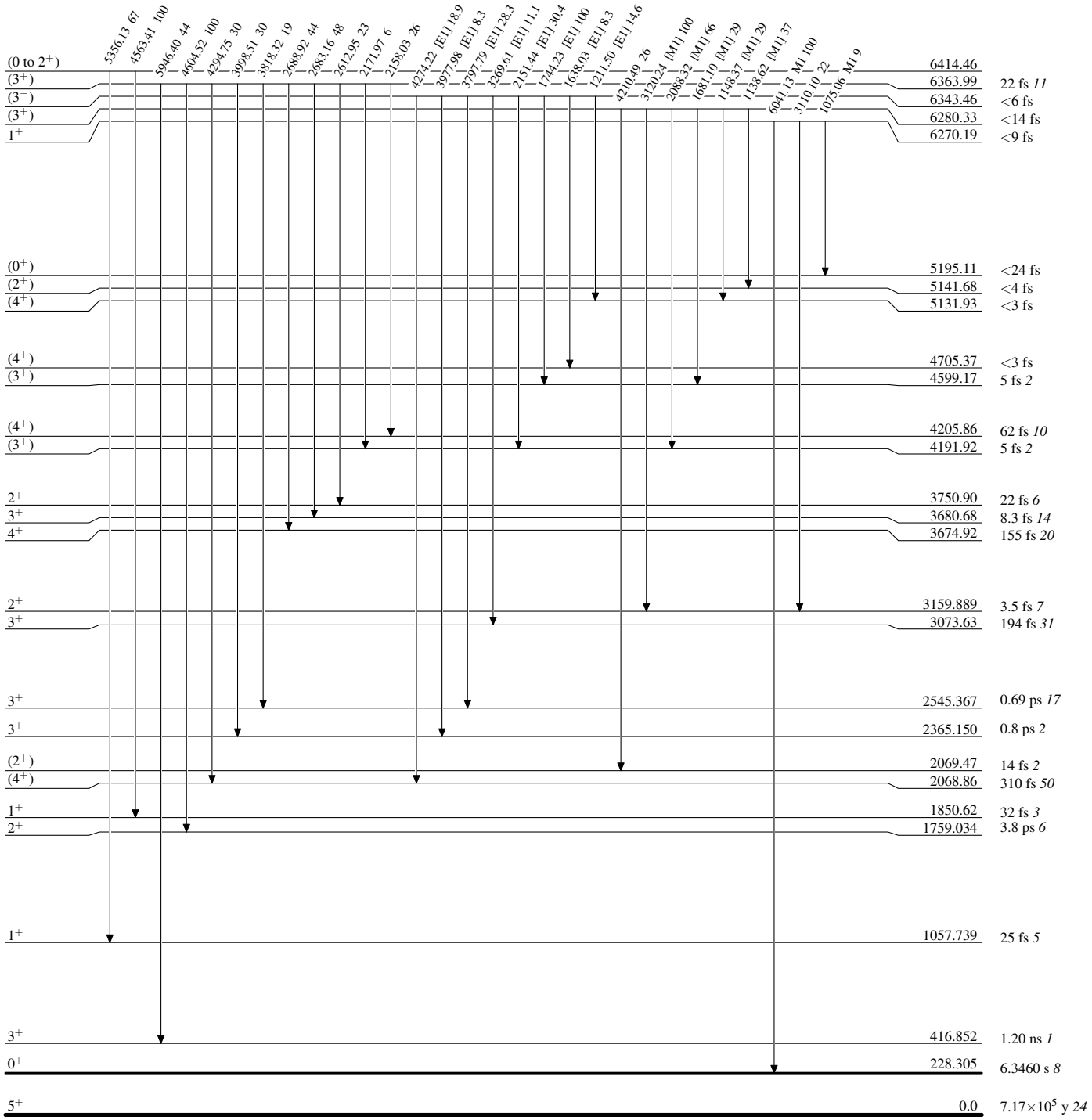


$^{26}_{13}Al_{13}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

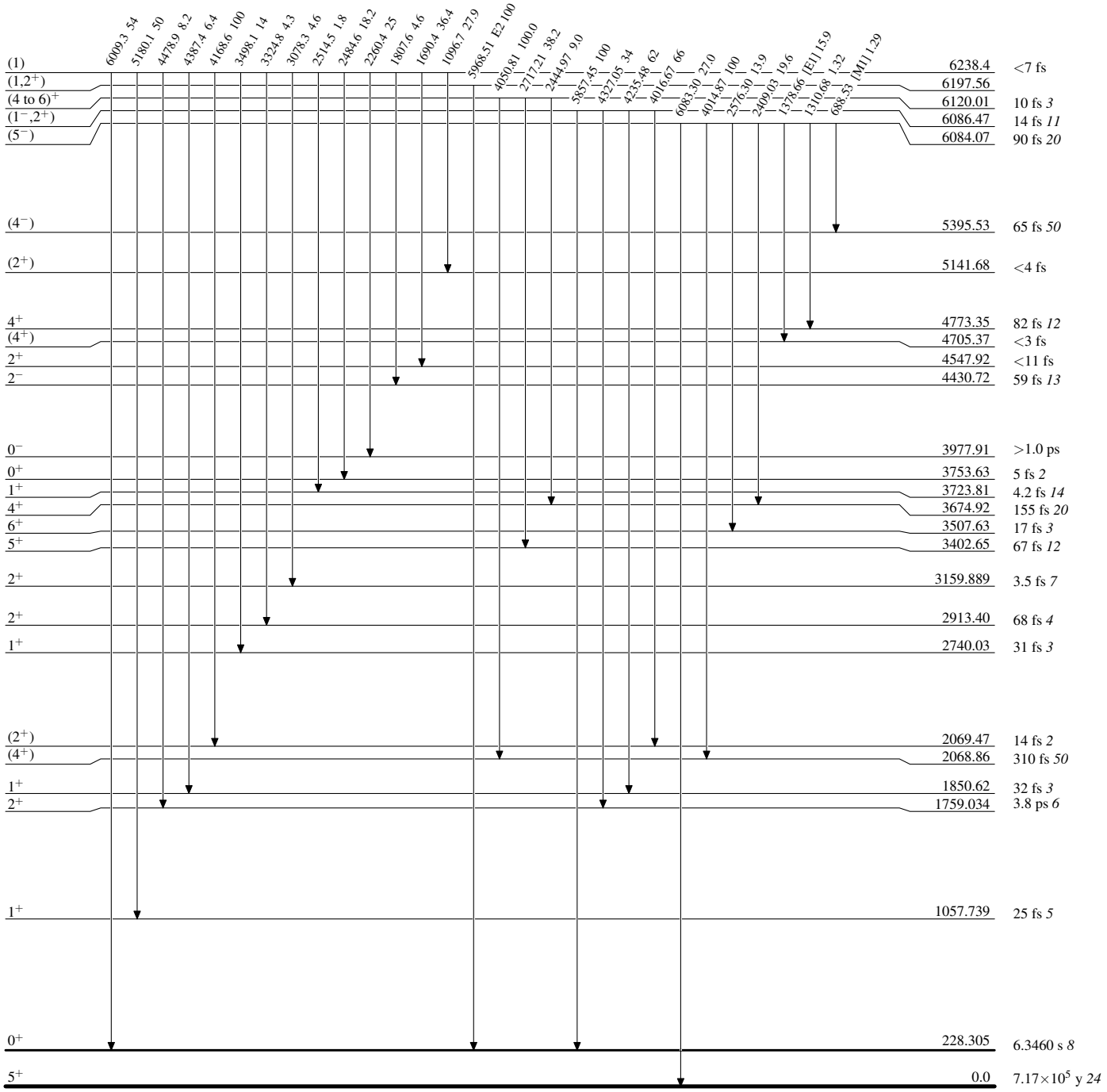


$^{26}_{13}Al_{13}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

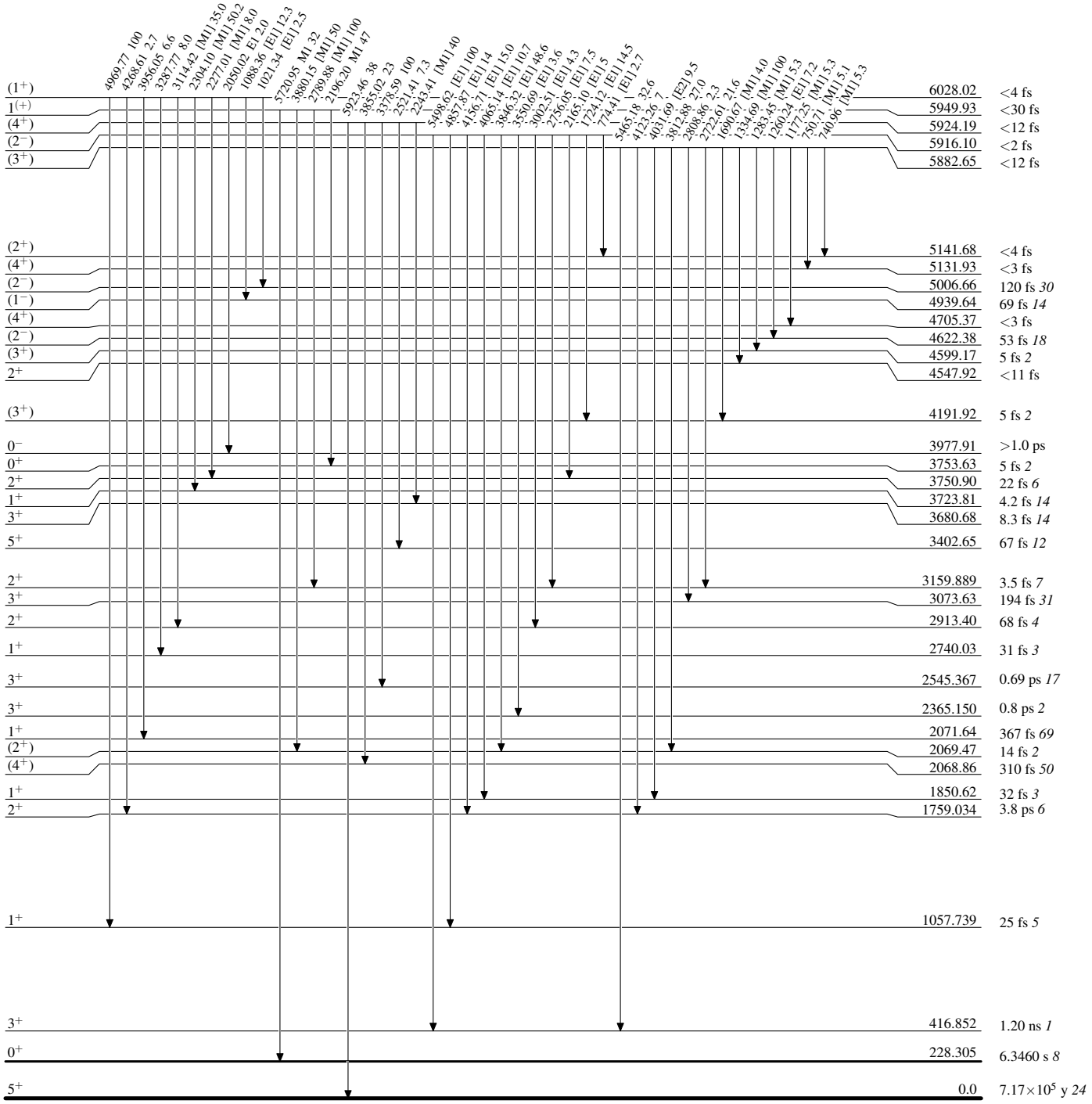


$^{26}_{13}Al_{13}$

Adopted Levels, Gammas

Level Scheme (continued)

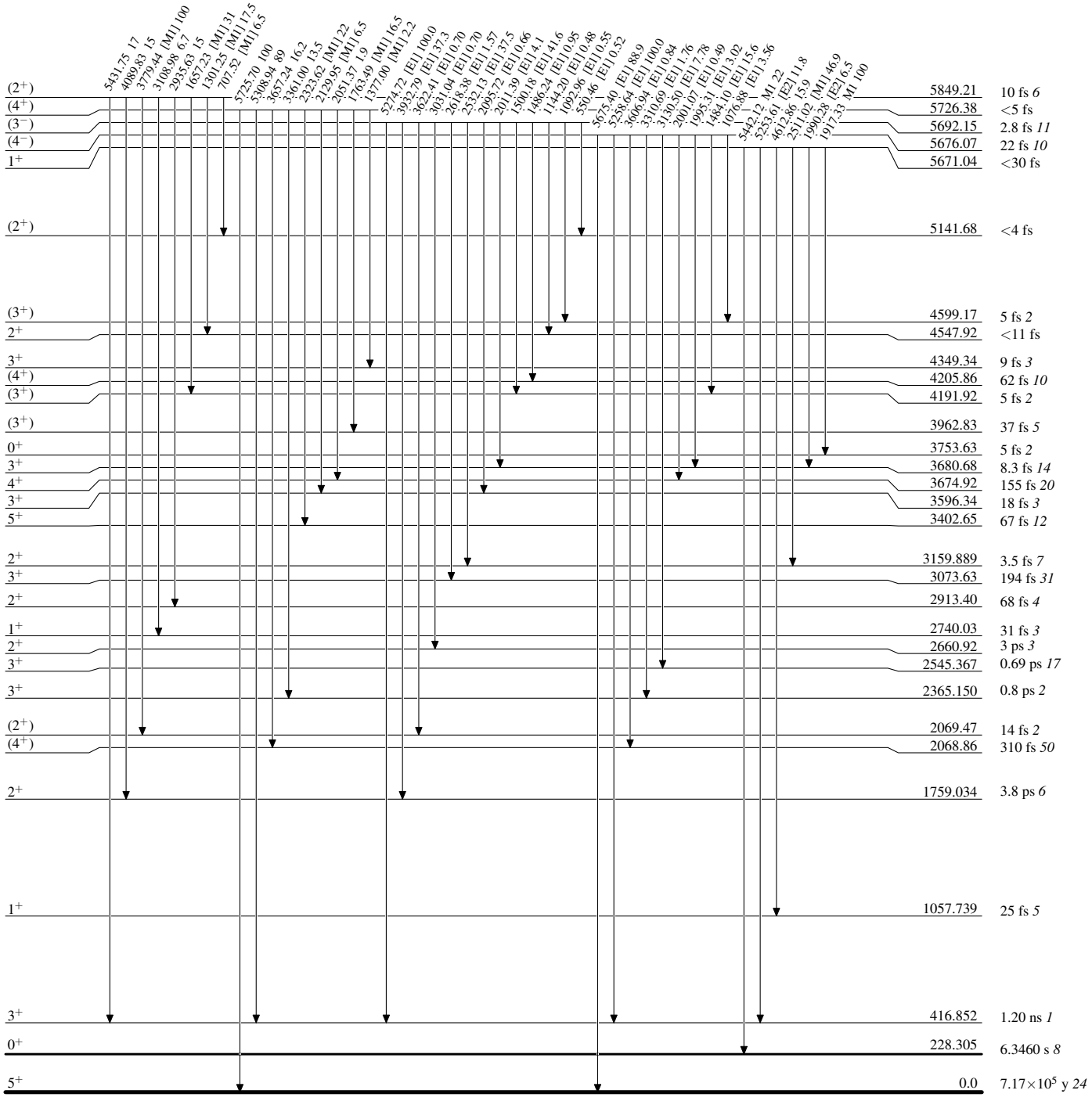
Intensities: Relative photon branching from each level



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

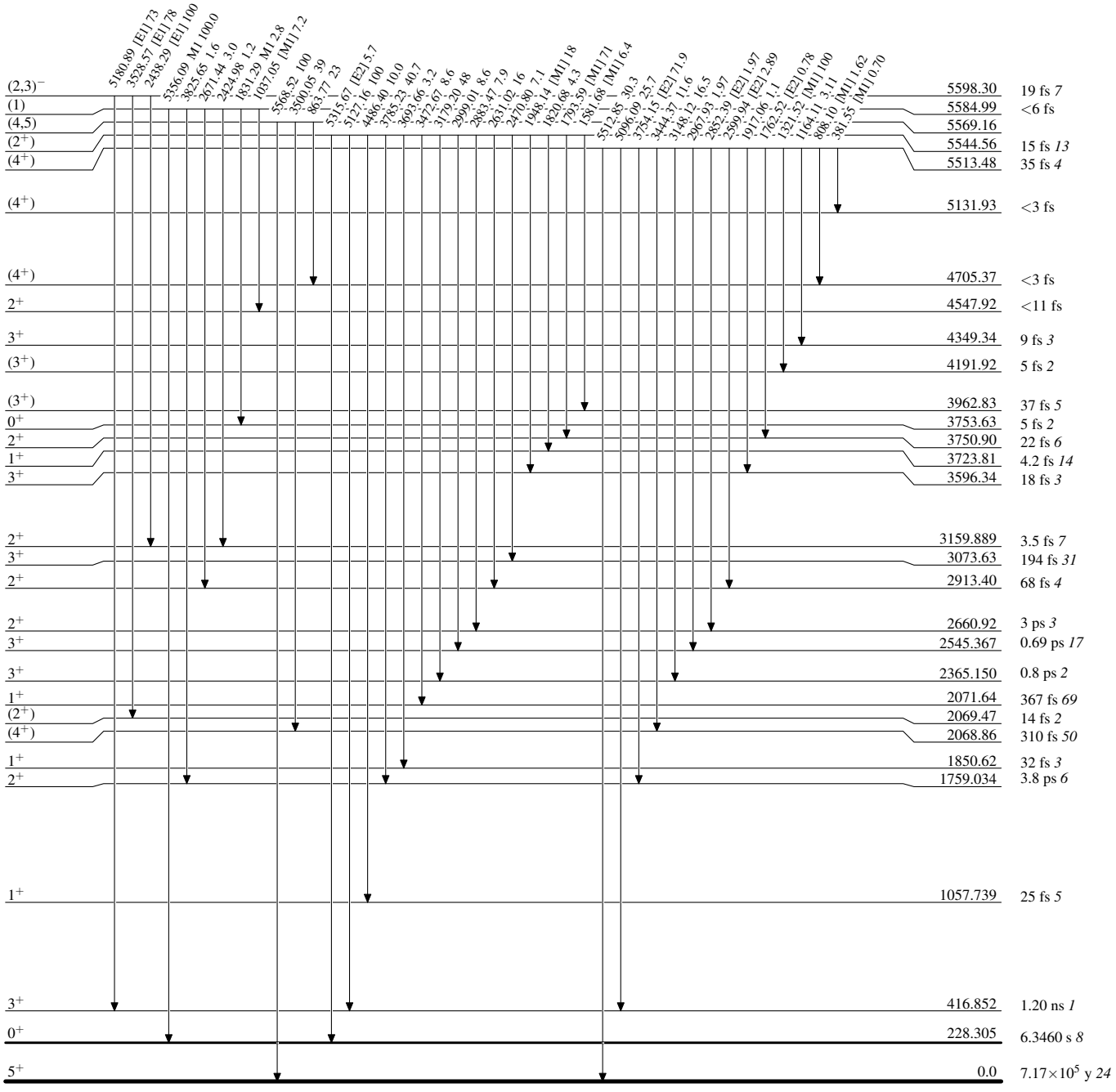


$^{26}_{13}Al_{13}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

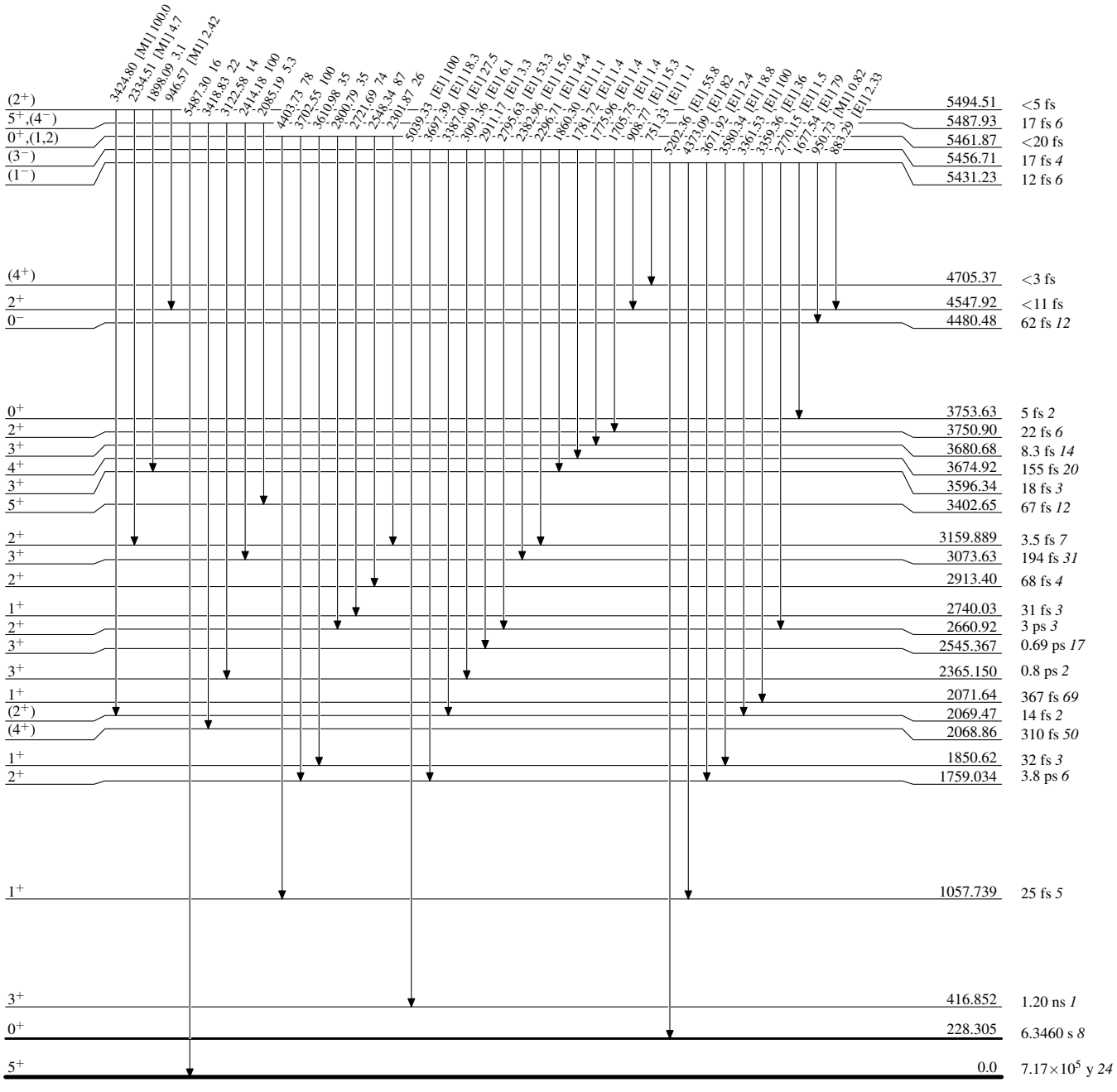


$^{26}_{13}Al_{13}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

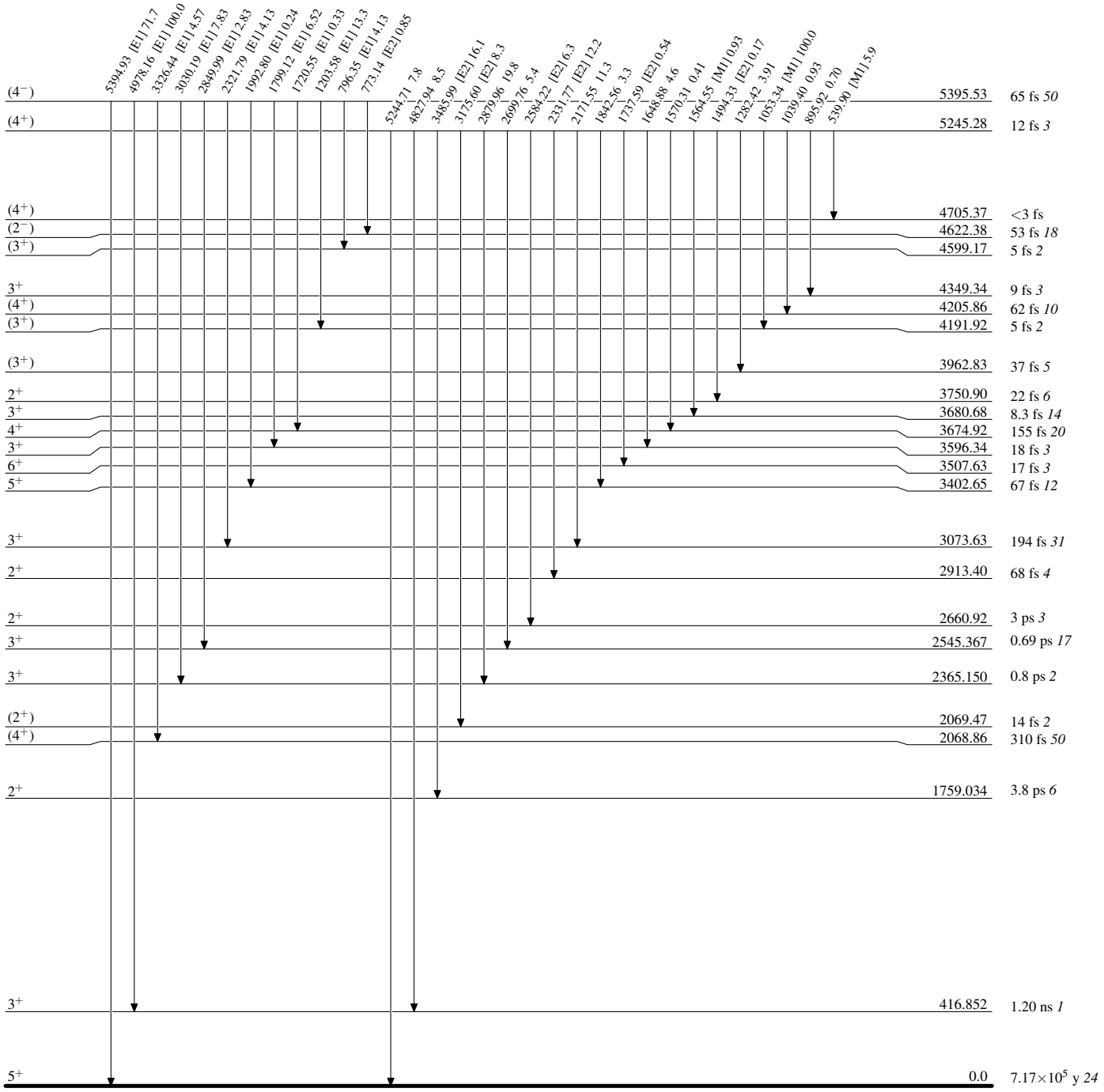


$^{26}_{13}Al_{13}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

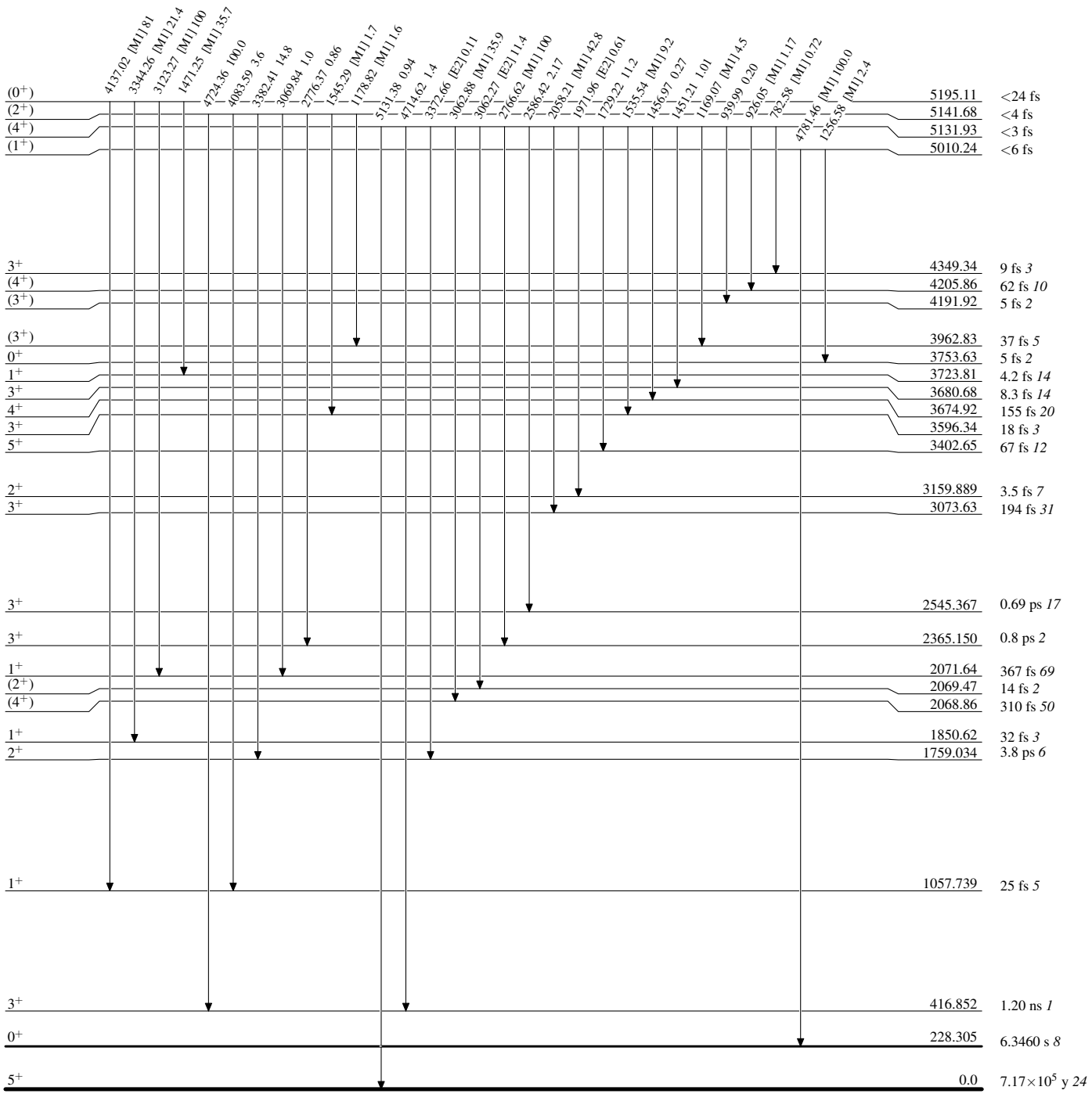


$^{26}_{13}Al_{13}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

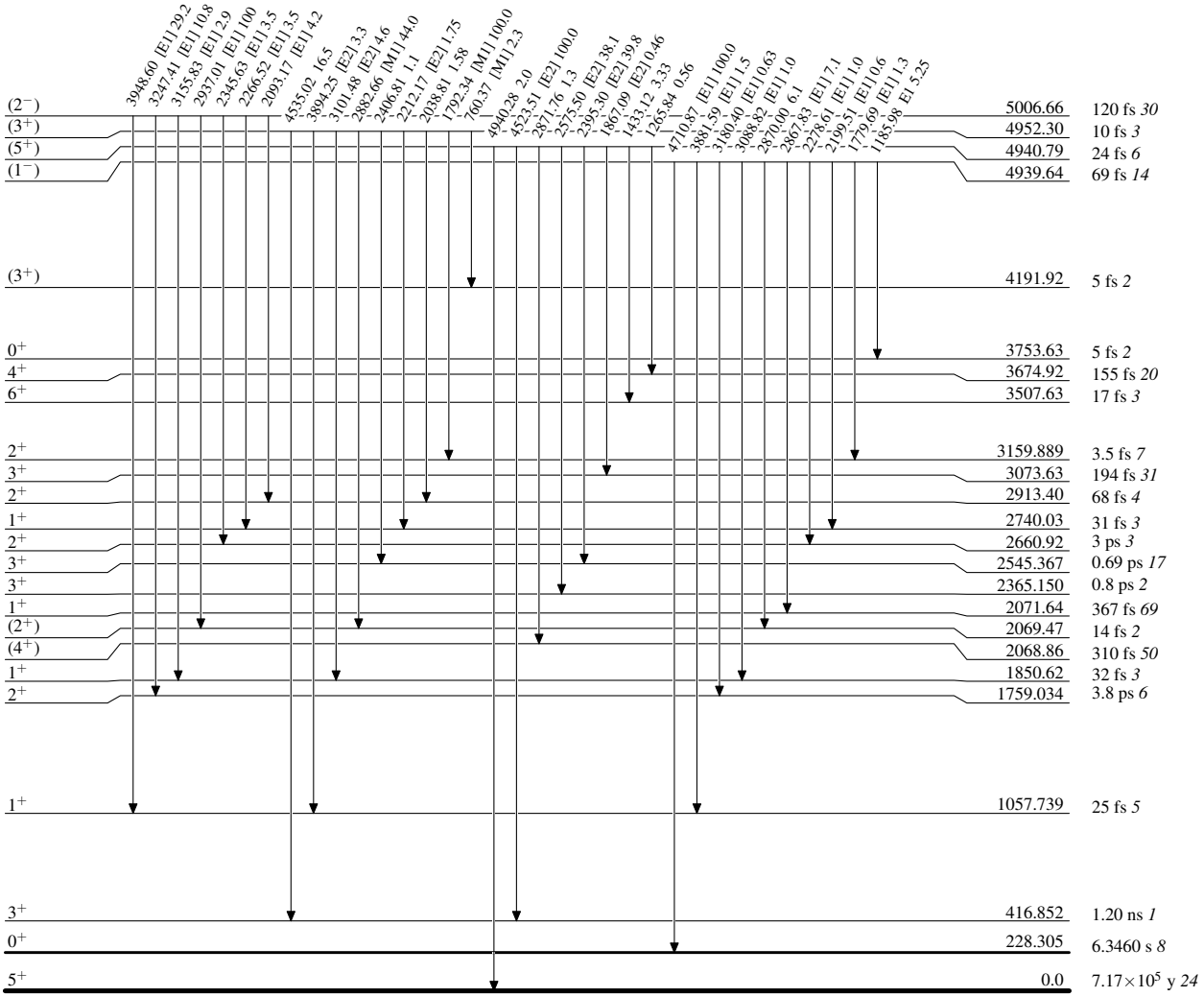


$^{26}_{13}Al_{13}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

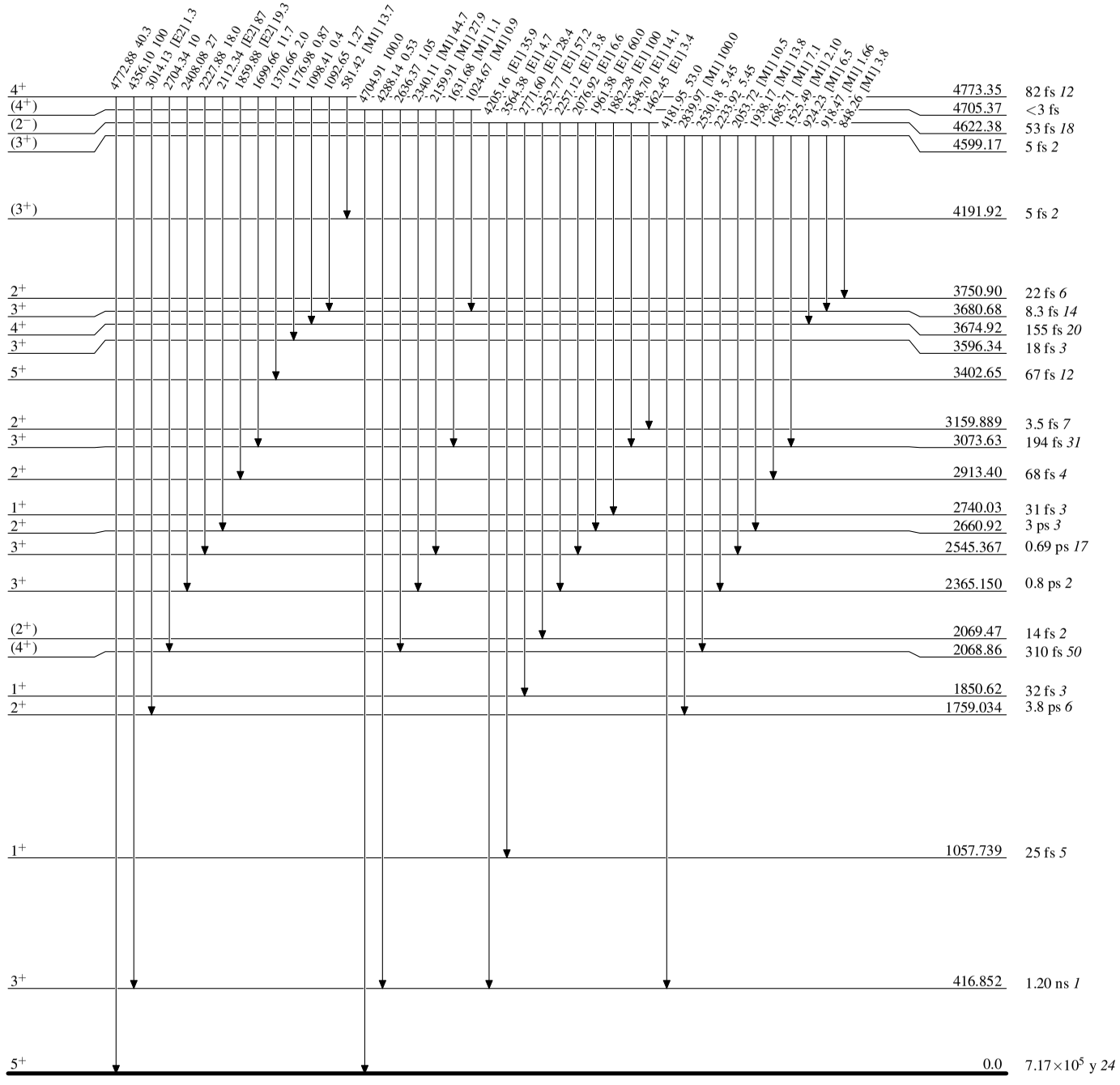


$^{26}_{13}Al_{13}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

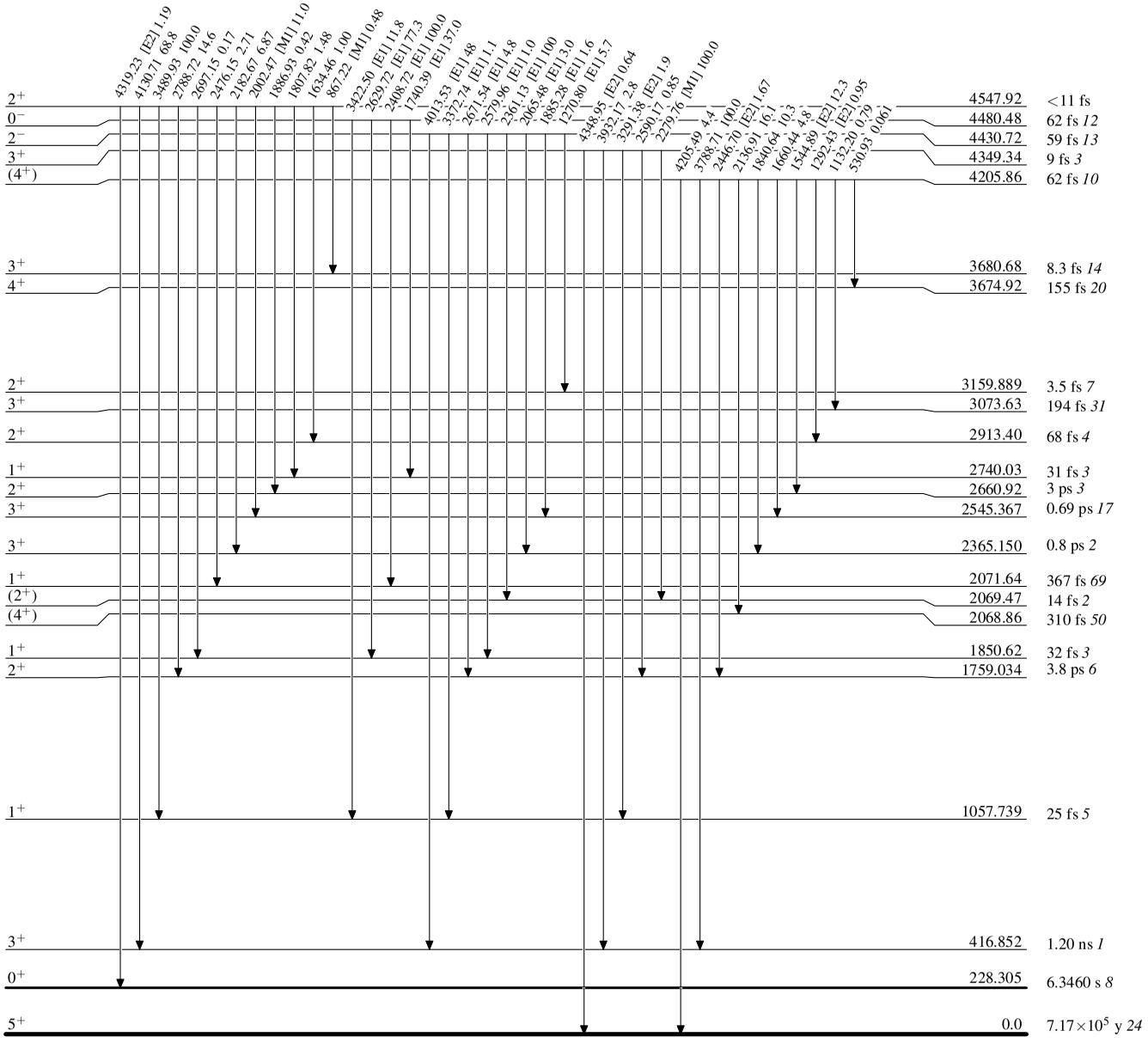


$^{26}_{13}Al_{13}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

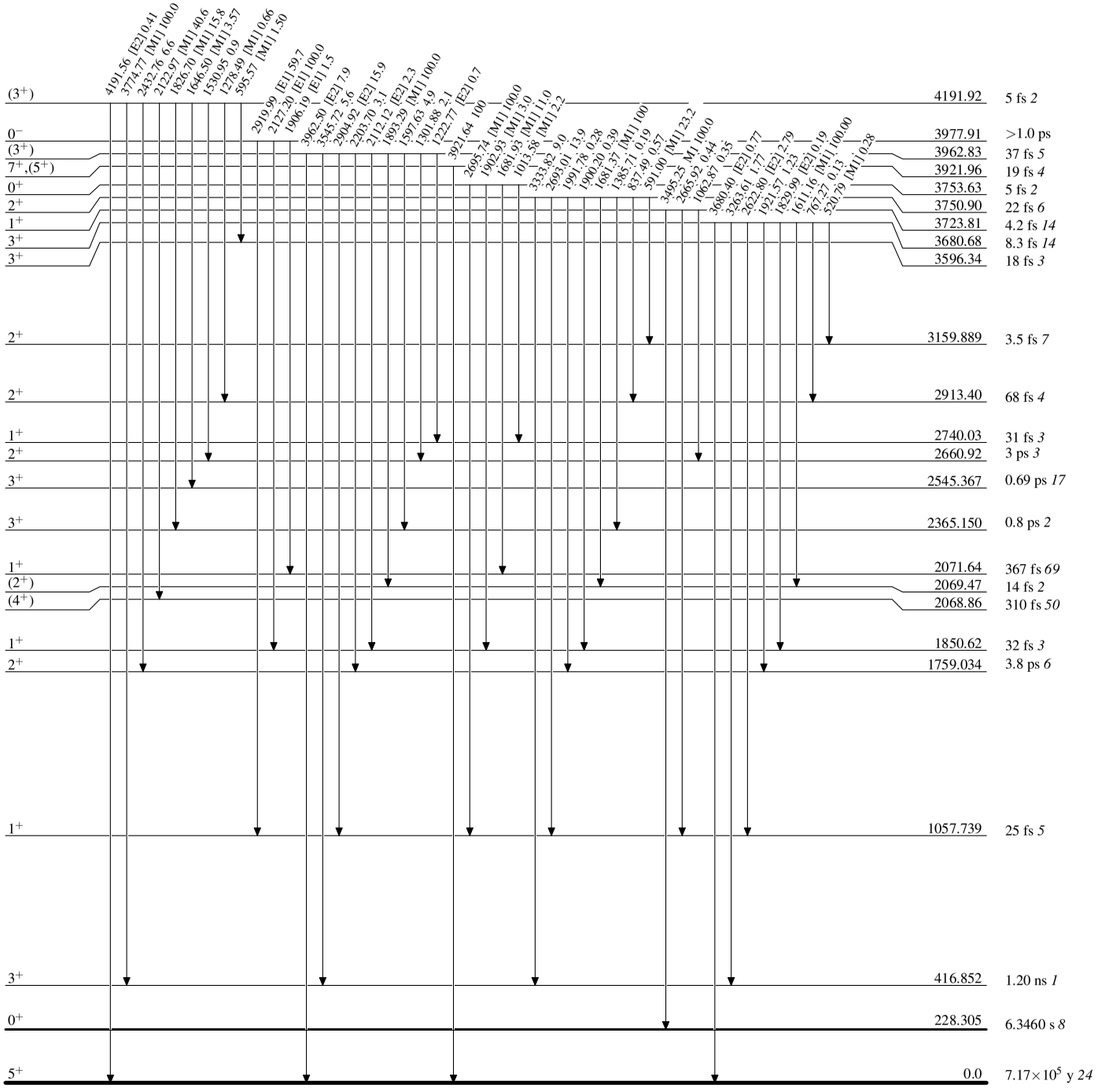


$^{26}_{13}Al_{13}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

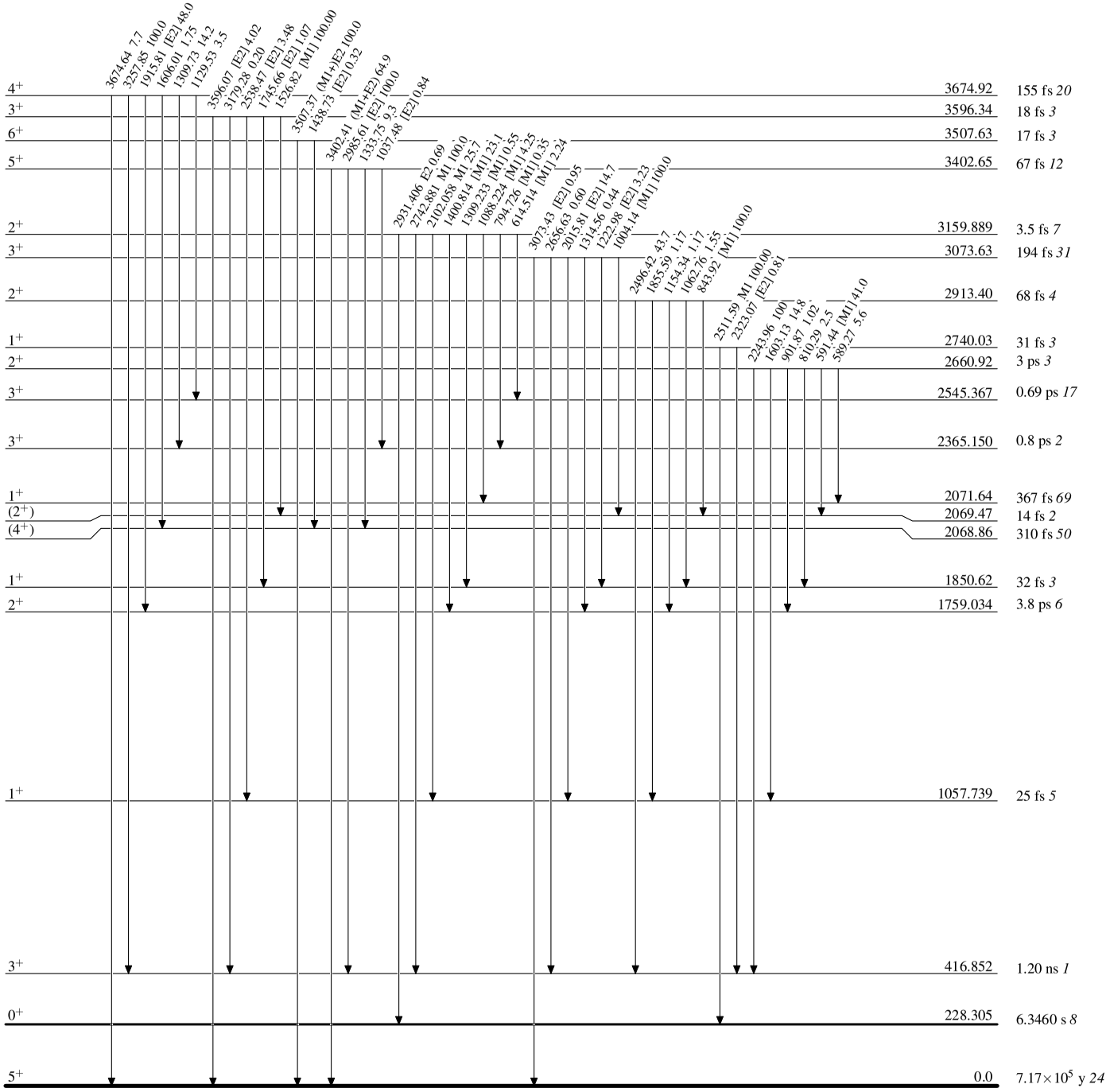


$^{26}_{13}Al_{13}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

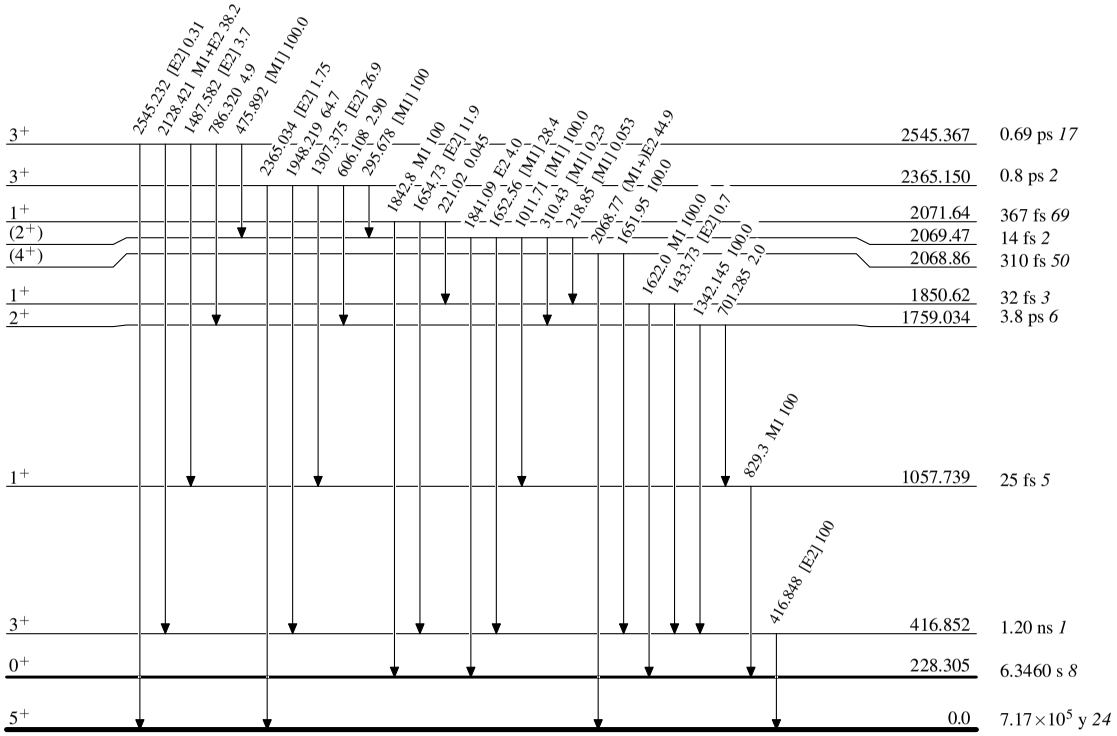


$^{26}_{13}Al_{13}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level



$^{26}_{13}Al_{13}$