	Histor	ry	
Type	Author	Citation	Literature Cutoff Date
Full Evaluati	ion M. S. Basunia and A. M. Hurst	NDS 134,1 (2016)	1-Feb-2016
$Q(\beta^{-})=-4004.43 \ 6; \ S(n)=11093.09$	<i>4</i> ; S(p)=14145.7 <i>12</i> ; Q(α)=-10614.8	1 2012Wa38	
²⁷ Al(¹³ C, ¹⁴ N): 1988Va08,1987Ad07 ²⁸ Si(¹⁸ O, ²⁰ Ne): 1979Me12. ²⁹ Si(n,α): 2011Zh22,2010Zh44. ²⁰⁸ Pb(²⁶ Mg, ²⁶ Mg), E=200 MeV: 19 Production cross section 0.394 mb 4	8Ko18,1982Sc21. 3,1980Tr02. 1987Wi09,1986Ci06,1982Fu09, 1982Sp. 7. 991He09. 44, from ¹³⁶ Xe spallation by proton – sprotons, E=1 GeV, and 2p emission – 2	2007Na31.	06.

$^{26}{ m Mg}$ Levels

Cross Reference (XREF) Flags

		A 2	26 Na β^- decay	H	24 Mg(t,p)	0	26 Mg(e,e')
			²⁶ Al ε decay (7.17×10 ⁵ y)	I	25 Mg(n, γ) E=thermal	P	26 Mg(p,p'),(p,p' γ)
		C 2	²⁶ Al ε decay (6.3460 s)	J	25 Mg(n, γ),(n,n):res	Q	26 Mg($\alpha, \alpha' \gamma$), 22 Ne(α ,n)
			27 Na β^- n decay	K	25 Mg(d,p)	R	27 Al(μ^- , ν n γ)
			$^{18}O(^{13}C,\alpha n\gamma)$	L	25 Mg(α , 3 He)	S	27 Al(d, 3 He)
			²² Ne(⁶ Li,d)	M	26 Mg(pol γ, γ'), (γ, γ')	T	27 Al(t, α)
		G ²	23 Na(α ,p γ)	N	26 Mg(γ ,n):res	U	$^{28}\mathrm{Si}(\mu^-,\nu\mathrm{pn}\gamma)$
E(level) [†]	J^{π}	$T_{1/2}$	XREF				Comments
0.0	0+	stable	ABCDEFGHI KLM OPO	RSTU			ectroscopy (1931Mu02,2013Ma15).
					Charge radius=2.99 fr quoted in 2012Yo01		2014Wa14). Matter radius=3.0340 fm 26 ilterature.
1808.74 <i>4</i>	2+	476 fs 21	AB DE GHI KLM OPQ	R TU	μ =+1.0 3; Q=-0.14 3		
					μ : From 1981Sp04, 20		
							1982Sp05, 2014StZZ.
					J^{π} : L=2 in (t,p) and (t		C (07 C 20 W : 1, 1
							of 687 fs 30: Weighted average of 653
							a,P)), 700 fs <i>50</i> and 730 fs <i>30</i> 982Sp05), and 683 fs <i>75</i> (1983Ko18 –
					(t,t')). Uncertainty -		
2938.33 <i>4</i>	2+	141 fs 8	AB E GHI KLM OPQ	R TU	J^{π} : L=2 in (t,p) and (p		est input value.
							204 fs 12 (1981Dy01 – (23 Na,P)).
3082.9 20			E		1/2		
3420.2 17			E				
3564.9 19			E				
3588.56 9	0_{+}	6.45 ps	48 E GHI KLM OPC	R TU	J^{π} : L=0 in (t,p).		

The first continue of the first continue	E(level) [†]	J^π	$T_{1/2}^{\ \ d}$	XREF	Comments
3941.57 # 3					9.6 ps 12 (1974Be08), 9.5 ps 7 (1974Be43), and 9.29 ps 23 (1984Bh03) – all from (α, p) . Uncertainty – lowest input
4318.89 5	3941.57 <i>4</i>	3+	0.83 ps <i>12</i>	A E GHI KL OP R TU	J^{π} : 3 in (p,p') and 1003.25 γ M1+E2 to 2 ⁺ . $T_{1/2}$: From unweighted mean lifetime values of 1.38 ps 11
433.2.52	4318.89 5	4+	272 fs <i>16</i>	A E GHI L OPQR TU	J^{π} : 4 in (p,p') , $(p,p'\hat{\gamma})$. Natural parity in (α,α') . $T_{1/2}$: From mean lifetime of 392 fs 23 (1981Dy01 –
4350.09 4 3* 105 fs 28	4332.52 5	2+	20 fs 3	A E GHI LM OPQR U	J ^π : (2) in (p,p'),(p,p' γ), β ⁻ from 3 ⁺ in ²⁶ Na β ⁻ Decay, natural parity in (α , α ').
4835.13 5 2+ 28 fs 6		3+	105 fs 28		J ^{π} : 3 in (p,p'),(p,p' γ), M1+E2 γ to 2 ⁺ . T _{1/2} : From mean lifetime of 150 fs 40: Weighted average of 180 fs 55 (1972Du05 – (α ,p)), 90 fs 40 (1968Ha18 – (p,p')), 160 fs 55 (1975Wa10 – (α , α ')). Uncertainty –
4901.44 7 4+ 29 fs 6 A E GHI KL OPQR T J ^π : From mean lifetime 41 fs 8 (1981Dy01 – $(^{23}$ Na,P)). Other value: 37 fs 8 (1986Gl06 – $(^{23}$ Na,P)). Other value: 37 fs 8 (1981Dy01 – $(^{23}$ Na,P)). Other value: 37 fs 8 (1981Dy01 – $(^{23}$ Na,P)). Other value: 34 fs 8 (1981Dy01 – $(^{23}$ Na,P)). Other value: 34 fs 8 (1981Dy01 – $(^{23}$ Na,P)). Other value: 34 fs 8 (1981Dy01 – $(^{23}$ Na,P)). Other value: 34 fs 8 (1981Dy01 – $(^{23}$ Na,P)). Other value: 34 fs 8 (1981Dy01 – $(^{23}$ Na,P)). Other value: 34 fs 8 (1981Dy01 – $(^{23}$ Na,P)). Other value: 45 fs 8 (1981Dy01 – $(^{23}$ Na,P)). Other value: 15.0 fs 76 fs 291.74 6 2+ $(^{23}$ 10 fs 27 fs 10 fs 28 fs 8 fs 10 fs 27 fs 10 fs 28 fs 10		2+	28 fs 6		I^{π} · $I = 2$ in (t, p)
in (p,p'),(p,p'y). T _{1/2} : From mean lifetime 42 fs 8 (1981Dy01 - (²³ Na,P)). Other value: 34 fs 8 (1986Gl06 - (α,p).	4033.13 3	2	20 13 0	A L GIT KL T K T	$T_{1/2}$: From mean lifetime 41 fs 8 (1981Dy01 – (23 Na,P)). Other value: 37 fs 8 (1986Gl06 – (α ,p).
4972.30 <i>I</i> 3 0 ⁺ 446 fs 70	4901.44 7	4+	29 fs 6	A E GHI KL OPQR T	in $(p,p'),(p,p'\gamma)$. $T_{1/2}$: From mean lifetime 42 fs 8 (1981Dy01 – (²³ Na,P)).
5180.5 7 5291.74 6 2+ <10 fs	4972.30 <i>13</i>	0+	446 fs 70	GHI KLM OPQR T	J ^{π} : L=0 in (t,p). T _{1/2} : From mean lifetime of 644 fs <i>100</i> : Weighted average of 760 fs 240 (1972Du05 – (α ,p)), 540 fs 250 (1968Ha18 – (p,p')), 640 fs 100 (1975Wa10 – (α , α ')). Uncertainty –
parity in (α, α') . T _{1/2} : From 1981Dy01 - $(^{23}\text{Na,P})$. Other values: 15.9 fs 76 (1986Gl06 - (α, p)), <35 fs (1968Ha18 - (p, p')), 100 fs 60 (1975Wa10 - (α, α')). 5476.05 7 4+ 21 fs 6 A E GHI KL OPQR T J^{π} : L=4 in (t, p) . T _{1/2} : From mean lifetime of 30 fs 8: Weighted average of 35 fs 15 (1974Be08 - (α, p)) and 28 fs 9 (1986Gl06 - (α, p)). Other values: <70 fs (1972Du05 - (α, p)), <50 fs (1975Wa10 - (α, α')). 5691.08 19 (1+) <8 fs E G I L PQR T J^{π} : From 1990Ya07 - $(\alpha, ^{3}\text{He})$, based on cross section measurement and DWBA calculations. Possible unnatural parity in (α, α') . J ^{\$\pi\$} : From (1986Gl06 - (α, p)). Other values: <35 fs (1972Du05), 70 fs 50 (1986Gl06) - both from (α, p)). 5711.2 8 (1+,2+) E H K T J^{π} : L=2 in (d, p) , γ to 0+. 5715.91 8 4+ 53 fs 16 A E G I L OPQ J^{π} : J^{π} : From 3+ in J^{π} 0 Na J^{π} 0 Decay, natural parity in (α, α') , γ 1 transitions to 3+, 2+; L=4 in (e,e'). T _{1/2} : From mean lifetime of 77 fs 23: weighted average of 125 fs 35 (1974Be08 - (α, p)), 48 fs 23 (1986Gl06 -		2+	<10 fo		
5476.05 7 4+ 21 fs 6 A E GHI KL OPQR T J^{π} : L=4 in (t,p). $T_{1/2}$: From mean lifetime of 30 fs 8: Weighted average of 35 fs 15 (1974Be08 – (α,p)) and 28 fs 9 (1986Gl06 – (α,p)). Other values: <70 fs (1972Du05 – (α,p)), <50 fs (1975Wa10 – (α,α')). J^{π} : From 1990Ya07 – (α, J^{π} He), based on cross section measurement and DWBA calculations. Possible unnatural parity in (α,α'). J^{π} : From (1986Gl06 – (α,p)). Other values: <35 fs (1972Du05), 70 fs 50 (1986Gl06) – both from (α,p)). J^{π} : L=2 in (d,p), γ to 0+. J^{π} : From 3+ in J^{π} : L=4 in (e,e'). J^{π} : From mean lifetime of 77 fs 23: weighted average of 125 fs 35 (1974Be08 – (α,p)), 48 fs 23 (1986Gl06 –	5291./4 0	2'	<10 is	A E GHI KLM OPQR I	parity in (α, α') . $T_{1/2}$: From 1981Dy01 – (²³ Na,P). Other values: 15.9 fs 76 (1986Gl06 – (α,p)), <35 fs (1968Ha18 – (p,p')), 100 fs 60
5691.08 19 (1 ⁺) <8 fs E G I L PQR T J^{π} : From 1990Ya07 – (α , ³ He), based on cross section measurement and DWBA calculations. Possible unnatural parity in (α , α'). J^{π} : From (1986Gl06 – (α ,p)). Other values: <35 fs (1972Du05), 70 fs 50 (1986Gl06) – both from (α ,p)). 5711.2 8 (1 ⁺ ,2 ⁺) E H K T J^{π} : L=2 in (d,p), γ to 0 ⁺ . 5715.91 8 4 ⁺ 53 fs 16 A E G I L OPQ J^{π} : β^- from 3 ⁺ in ²⁶ Na β^- Decay, natural parity in (α , α'), γ transitions to 3 ⁺ , 2 ⁺ ; L=4 in (e,e'). $T_{1/2}$: From mean lifetime of 77 fs 23: weighted average of 125 fs 35 (1974Be08 – (α ,p)), 48 fs 23 (1986Gl06 –	5476.05 7	4+	21 fs 6	A E GHI KL OPQR T	J ^{π} : L=4 in (t,p). T _{1/2} : From mean lifetime of 30 fs 8: Weighted average of 35 fs 15 (1974Be08 – (α ,p)) and 28 fs 9 (1986Gl06 – (α ,p)). Other values: <70 fs (1972Du05 – (α ,p)), <50 fs
5711.2 8 (1 ⁺ ,2 ⁺) E H K T J ^{π} : L=2 in (d,p), γ to 0 ⁺ . 5715.91 8 4 ⁺ 53 fs 16 A E G I L OPQ J ^{π} : β from 3 ⁺ in β Decay, natural parity in (α , α'), γ transitions to 3 ⁺ , 2 ⁺ ; L=4 in (e,e'). T _{1/2} : From mean lifetime of 77 fs 23: weighted average of 125 fs 35 (1974Be08 – (α ,p)), 48 fs 23 (1986Gl06 –	5691.08 <i>19</i>	(1 ⁺)	<8 fs	E G I L PQR T	J ^{π} : From 1990Ya07 – $(\alpha,^3$ He), based on cross section measurement and DWBA calculations. Possible unnatural parity in (α,α') . J ^{π} : From (1986Gl06 – (α,p)). Other values: <35 fs
5715.91 8 4+ 53 fs 16 A E G I L OPQ J^{π} : β^- from 3^+ in 26 Na β^- Decay, natural parity in (α, α') , γ transitions to 3^+ , 2^+ ; L=4 in (e,e'). $T_{1/2}$: From mean lifetime of 77 fs 23: weighted average of 125 fs 35 (1974Be08 – (α, p)), 48 fs 23 (1986Gl06 –	5711.2 8	$(1^+, 2^+)$		ЕНК Т	
(α, p) , and 220 fs 100 (1975Wa10 – (α, α')). Other mean			53 fs <i>16</i>		J ^π : β ⁻ from 3 ⁺ in 26 Na β ⁻ Decay, natural parity in (α,α') , γ transitions to 3 ⁺ , 2 ⁺ ; L=4 in (e,e'). T _{1/2} : From mean lifetime of 77 fs 23: weighted average of 125 fs 35 (1974Be08 – (α,p)), 48 fs 23 (1986Gl06 – (α,p)), and 220 fs 100 (1975Wa10 – (α,α')). Other mean
lifetime: <50 fs $(1972\text{Du}05 - (\alpha, p))$. 6125.47 5 3+ 14 fs 6 A E GHI KL OPQ ST J^{π} : From angular distribution measurements and analysis in	6125.47 5	3 ⁺	14 fs 6	A E GHI KL OPQ ST	

E(level) [†]	\mathbf{J}^{π}	$T_{1/2}^{1$		XREF	Comments
					1990Ya07 – $(\alpha,^3$ He) and from (e,e'). Unnatural parity in
6256.2 14	0+	53 fs <i>31</i>		E GH KL OPQ T	(α, α') . E(level): From $((\alpha, \alpha \gamma) - 1975 \text{Na}06)$, also in $((\alpha, p \gamma) - 1986 \text{Gl}06)$. J^{π} : L=0 in (t,p). $T_{1/2}$: From mean lifetime of 77 fs 45: Weighted average of 60 fs 50 (1968Ha18 - (p,p')), 90 fs 45 (1975Wa10 - (α, α')). Uncertainty – lowest input value.
6483.2 <i>15</i> 6622.94 <i>14</i>	(4 ⁺)	19 fs 5	Α	E E G L PQ ST	E(level): Weighted average of 6621 3 (1976Mo27 – (p,p')),
	(,)				6623 I (1986Gl06 – $(\alpha,\pi\gamma)$), and 6621 I (1975Na06 – $(\alpha,\alpha\gamma)$). J^{π} : From $(\alpha,\pi\gamma)$), based on particle- γ -ray angular correlation. $T_{1/2}$: Other: <70 fs (1975Wa10 – (α,α')).
6634.2 3	2+	≤7 fs		E G I	IT. I 2 :- (/) (/.)
6745.13 <i>15</i>	2+	16 fs 8	Α	GHI KL PQ ST	J ^π : L=2 in (p,p'),(p,p'γ). T _{1/2} : From mean lifetime of 23 fs 11 (1986Gl06 – (α,p)). Other mean lifetime values: 80 fs 40 (1968Ha18 – (p,p')), <50 fs (1975Wa10 – (α,α')).
6876.42 5	3-	83 fs <i>35</i>		GHI KL OPQ ST	J^{π} : L=3 in (t,p). $T_{1/2}$: From mean lifetime of 120 fs 50: Weighted average of 100 fs 60 (1968Ha18 – (p,p')) and 150 fs 75 (1975Wa10 – (α,α')).
6951.7 <i>16</i>	(4±)			E	7 [#] 2020 D 0 2 dt D 1 2 1 1 1 1 1 1 1 1
6971.8 <i>20</i> 6978.3 [‡] <i>8</i>	(4 ⁺)	14.6.7		E	J^{π} : 3030 γ D+Q to 3 ⁺ ; Parity from shell model calculations.
7061.90 <i>20</i>	(5 ⁺) 1 ⁻	14 fs 5 ≤7 fs		E G PQ ST HI L oPQ ST	J^{π} : From γ -decay and γ -feeding (Table 26.12a in 1990En08). J^{π} : L=1 in (t,p).
7099.68 13	2+	≤14 fs	Α	E HI LM oPQ ST	J^{π} : L=2 in (t,p).
7200 20	$(0,1)^+$			P	J^{π} : From 1989Cr02 (p,p'), based on measured cross section and calculation.
7246.49 [‡] <i>17</i>	3+ b	≤7 fs	Α	OP ST	
7261.40 <i>4</i>		≤7 fs		E HI K P T	XREF: T(7252).
7282.82 6	(4 ⁻) 3 ⁻	24 fs 8		E HI KL P S	J^{π} : From $(\alpha, p\gamma)$ and γ -feeding. J^{π} : L=3 in (t,p). Natural parity $(\alpha, {}^{3}\text{He})$.
7348.86 <i>6</i> 7371.36 <i>17</i>	2^{+}			GHI KL PQ ST G I OPO ST	J [*] : L=3 in (i,p). Natural parity (α , He).
7371.30 17 7396.0 [‡] 10	(5 ⁺)	≤14 fs	Α	G I OPQ ST E GH PQ ST	J^{π} : 1680 γ (M1+E2) to 4 ⁺ . D+Q γ from 5 at 9064.
7428 [#] 3	$(0,1)^+$	≥14 18		H P S	J^{π} : From 1989Cr02 (p,p'), based on measured cross section
7.120 3	(0,1)				and calculation.
7541.71 6	(2-)	≤7 fs		E HIK P T	J ^π : From R(θ) with gate on ΔJ =2 transition and pol values (2014Bh03 – (¹³ C, α n γ)).
7677 [‡] 1	(4^{+})	≤11 fs		GH L P ST	J^{π} : γ -transition to $4^+,3^+$; Natural parity $(\alpha,^3$ He).
7696.8 8	1 ⁽⁻⁾			HI LM OP S	J^{π} : From 1993Ve03 (d, ³ He); 1 ⁺ in 1990Ya07 – (α , ³ He).
7725.8 4	3+ b		Α	G I K OP ST	XREF: T(7716).
7773.7‡ 6	(4 ⁺)	≤7 fs	A	E KL P ST	XREF: T(7762). J^{π} : From R(θ) with gate on ΔJ =2 transition and pol values (2014Bh03 – (13 C, α n γ)).
7817.8 [@] 7	$(2,3)^{+}$		A	H K oPQ T	J^{π} : L=0+2 in (d,p).
7824 [@] 3	3 ^{-b}			G L oP RS	J^{π} : Natural parity (α , ³ He).
7840 [‡] 2 7851 <i>3</i>	2+			G o P	J^{π} : γ transitions to 0^+ , 2^+ , and 4^+ .
7950.0 [‡] 20	5-	14 fs 6		E H KL P ST	J^{π} : From 1989Se01 (pol p,p'), based on angular distributions and analyzing power.

E(level) [†]	$_ J^\pi$	$T_{1/2}$	XREF	Comments
8034 [@] 2			G P ST	L=6 in (p,p') , $(p,p'\gamma)$ probably erroneous.
8052.4 7	2(+)		GHI P RS	J^{π} : L=2 in (t,p). L=1 in (d, 3 He).
8184.93 <i>15</i>	3- b	-14 C	G I L OPQ ST	E(I I) W. I. I C. (1075N 06
8201.1 7	(6 ⁺)	≤14 fs	E G PQ S	E(level): Weighted average of 8201 2 (1975Na06 – $(\alpha, \alpha' \gamma)$ and 8202 I (1986Gl0 – $(\alpha, p\gamma)$). J^{π} : 1223 γ d to (5 ⁺), γ to 4 ⁺ .
8227.31 24	1^{-b}	1.0 ^e fs 2	GHI M OP ST	XREF: H(8240). J^{π} : L=1 in (t,p).
8250.58 <i>16</i> 8399 <i>3</i>	$(3^+)^{b}$		GIL OP S P T	J^{π} : Natural parity in $(\alpha,^3He)$ does not agree. XREF: T(8384).
8458.9 <i>4</i> 8464 <i>2</i>	3+ b		G I OP ST G	J^{π} : L=2 in (d, ³ He).
8472.3 [‡] <i>16</i>	(6^+)	≤14 fs	E G PQ S	J^{π} : 1494 γ D+Q to (5 ⁺), γ transitions to 4 ⁺ .
8503.7 3	1-		G I M P ST	XREF: T(8488). J^{π} : In (pol γ, γ), based on angular correlation and polarization measurements (2009Lo06).
8532.1 4	$(2^+)^{b}$		G I OP ST	XREF: T(8518).
8576 [#] 3			P ST	XREF: T(8566).
8625‡ 1	5-	29 fs 6	GH L PQ ST	XREF: T(8611). J^{π} : From 1989Se01 (pol p,p'), based on angular distributions and analyzing power. Also in $(\alpha,p\gamma)$. Natural parity $(\alpha,^3\text{He})$.
8670 [‡] <i>1</i>	(3,5)	≤7 fs	G P ST	XREF: T(8660). J^{π} : 3193 γ and 4350.7 γ D+Q to 4 ⁺ .
8705.6 <i>3</i>	$(2 \text{ to } 4)^+$		G I L PQRST	J^{π} : L=2 in (d, 3 He) and from γ decay.
8863.8 <i>4</i> 8903.52 <i>9</i>	$(2^+)^{b}$		GHI P ST	J^{π} : L=2 in (t,p).
8903.32 9 8930 [‡] 2	(2)		EGIL OP ST GH P ST	XREF: L(8914)T(8889). XREF: T(8917).
8959.4 5	1-		I M P S	J^{π} : In (pol γ , γ), based on angular correlation and polarization measurements (2009Lo06).
9020‡ 2	() L		G T	2
9043.4 9	$3^{(+)}b$		G I L OP RS	J^{π} : Natural parity (α , ³ He) does not agree. Also L=1 in (d, ³ He).
9064 [@] 2	5+	≤7 fs	G PQ S	J ^{π} : From 1986Gl06 – (α ,p γ), 1668 γ D+Q to (5 ⁺), γ transition to 4 ⁺ .
9111.2 [‡] <i>5</i> 9139.5 <i>13</i>	6 ⁺	≤11 fs	G PQ ST	J ^{π} : From 1986Gl06 – (α ,p γ), γ transitions to 4 ⁺ , (5 ⁺). J ^{π} : From (γ , γ').
9169 [‡] 3	$(6^{-})^{\&}$	26 fs 8	E G L P ST	
9206‡ 2	1(+)	21.48 40	G T	VDEE 1 (025 ()
9238.9 8	1 ⁽⁺⁾	314 ^e as 40	I LM OP ST	XREF: L(9256). J^{π} : From (γ, γ') based on angular correlation and polarization measurements. Also in 1989Cr02 – (p,p') . Uncertain parity by evaluators for L=1 in $(d, {}^{3}\text{He})$.
9261‡ 2	(4^+)		GH P	J^{π} : L=4 in (t,p); γ to 3 ⁺ .
9281# 3	$(2^+)^{b}$		оР	
9291 [‡] 2 9304 2			G o T G oP	
9316 [@] 2			G P	
9325.57 20	$(2^+ \text{ to } 4^+)$		G I L P	J^{π} : γ to 2 ⁺ , 3 ⁺ , and 4 ⁺ .

E(level) [†]	${f J}^\pi$	$T_{1/2}^{\ \ d}$	X	REF			Comments
9371‡ 2	4 ⁺		GH		p	T	J^{π} : L=4 in (t,p).
9383‡ 1	6+	≤7 fs	fG		p	S	J ^π : $(4^+,6^+)$ in 1986Gl06 $(\alpha,p\gamma)$; 2404.6 γ d to (5^+) and 2759.9 γ and 3666.8 γ Q to 4^+ .
9427.8 <i>4</i>	3+ b		fG I	0	P	ST	
9471‡ 2	$(1 \text{ to } 5)^+$		G		P	ST	J^{π} : L=2 in (d, 3 He), γ to 3 +.
9540.3 [@] 15	5+	≤14 fs	E G		P	ST	J ^π : From 1986Gl06 (α ,p γ). 2562 γ d to (5 ⁺), 5221 γ D+Q to 4 ⁺ .
9563.5 8	1+	563 ^e as 99		LM	P	T	E(level), J^{π} : From 2009Lo06 – (γ , γ)). Spin and parity based on angular correlation and polarization measurements.
9574.06 11	$(2^{-} \text{ to } 4)$		GΙ		P	S	J^{π} : From γ decay.
9579 [#] <i>3</i> 9590 <i>2</i>	4 ⁺		H G		P		J^{π} : L=4 in (t,p).
9617.0 9	$(1 \text{ to } 3)^{-}$		I		P	ST	J^{π} : L=1 in (d, 3 He); γ to 2^{+} .
9681‡ 2	$(0 \text{ to } 5)^+$		G		P	ST	J^{π} : L=2 in (d, 3 He).
9714 [#] 3	()			L O	P	T	
9770.8 9	1(-)			M			J^{π} : From (γ, γ') .
9771 [‡] 2			G		P	T	77. 72. 4000.7.02. ()
9779 [#] 3	1+				P		J^{π} : From 1989Cr02 – (p,p') – angular distribution measurements.
9814 [‡] 2			G	0	p	T	_
9829.5 [‡] <i>14</i>	$(5,7)^+$	37 fs 10	E G		p	T	J ^{π} : From 1986Gl06 – (α ,p γ) – angular distribution measurements.
9856.8 [#] 4	2+		HI	0	P		J^{π} : L=2 in (t,p).
9883 [#] 3	1				P	T	
9900.3 @ 10	3+ b		G	0	P		
9927‡ 2			G			T	
9939‡ 2			G		P		
9967 [@] 2	2+		GH		P	T	J^{π} : L=2 in (t,p).
9982 [‡] 2 9989 [‡] 1	(C+)	.T. 6	fG		p		TT (251 T2) (5t) 1 (6t)
9989* <i>1</i> 10040 [@] 2	(6 ⁺) 5 ⁻	≤7 fs	fG		p		J^{π} : (M1+E2) γ to (5 ⁺) and (6 ⁺).
10040 ± 2 10069 ‡ 2	3		GH		P	T	J^{π} : L=5 in (t,p).
10102.5 4	1-		G I	M	P	T	J^{π} : From (γ, γ') .
10126.7 6	4+		GHI		P	T	XREF: $G(10122)H(10108)$. J^{π} : L=4 in (t,p).
10136 <i>3</i>					P		
10147.1 1	1+	112 ^e as 15			P		E(level), J^{π} : From (γ, γ') .
10159# 3	0_{+}		Н		P		J^{π} : L=0 in (t,p).
10184 [‡] 2 10219.9 9			G	0	P	т	
10234 2			G I	U	r	T	
10271 [#] 3	2+		Н		P	Т	J^{π} : L=2 in (t,p).
10319.5 7 10328 3	1+	345 ^e as 83		M	P P	T	E(level), J^{π} : From (γ, γ') .
10341 [#] <i>3</i>				L	P		J^{π} : 1 ⁺ in $(\alpha, {}^{3}\text{He})$.
10349.4 9	$(0^+ \text{ to } 4^+)$		GI		P	_	J^{π} : γ to 2^{+} .
10362.26 <i>21</i> 10377 <i>2</i>	$(2^+ \text{ to } 4^+)$		G I G		P	T	J^{π} : γ to 2^{+} , 3^{+} , 4^{+} .
10311 4			G				

E(level) [†]	${\tt J}^\pi$	$T_{1/2}$	XREF	Comments
10400 15			T	
10414 [#] 3	4+		H P T	J^{π} : L=4 in (t,p).
10487 [#] 3			oP T	***
10493 [#] 3	2+		oP	J^{π} : From (e,e'). Note for doublet.
10516 [#] 3	(2^{+})		H oP T	J^{π} : L=(2) in (t,p).
10529 [@] 2	,		G P	() () ()
10567 3			f P	
10573.3 8	1-	0.20 eV 5	M	J^{π} : From (γ, γ') .
10576 2	(1+ , 4+)		fG	WREE (C/10500)
10600.1 4	$(1^+ \text{ to } 4^+)$		G I P	XREF: G(10590). J^{π} : From γ decay.
10647.3 8	1+	97 ^e as 5	LM P	$E(\text{level}),J^{\pi}$: From (γ,γ') .
10650 <i>I</i>	(4 ⁻ to 7 ⁻)	21 fs 6	G	J^{π} : From γ decay.
10681.9 <i>3</i>			P	
10693 3			G L P	
10707 [@] 3			G P	
10718.75 <i>9</i> 10726 <i>3</i>			P P	
10745.98 12			P	
10767 [@] 2			G P	
10805.9 4	$(0^+ \text{ to } 4^+)$		f I M P	J^{π} : γ to 2^{+} .
10824 [#] <i>3</i>	(2^+)		f OP	J^{π} : From (e,e').
10881 <i>3</i>			P	
10893 3			P	
10915 <i>3</i> 10927 [#] <i>3</i>	+		P	IT N. () () () () ()
10927" 3 10945 [@] 3			L P	J^{π} : Natural parity from $(\alpha,^{3}He)$.
10945 3	1-	1.87 eV <i>30</i>	G J P M	E(level), J^{π} : From (γ, γ') .
10978# 3	1	1.07 CV 30	oP	$E(\text{rever}), S$. From (γ, γ) .
10978 3			oP	
11012 [@] 3			G oP	
11012 3			P	
11084 3			P	
11114 <i>3</i>	(2+)		J P	J ^{π} : Assignment in 2012Ma14 ((n, γ),(n,n):res, based on R-matrix analysis.
11142 6	1 ^{+a}		Q	
11153.5 <i>10</i> 11162.93 <i>7</i>	2+ <i>c</i>	5.08 keV 8	J MN P J	E(level), J^{π} : From (γ, γ') .
11162.33 7	$(3^+)^{c}$	1.56 keV 8	J	
11171# 3	(-)		J L P	
11183.06 6	(1 ⁻) ^c	0.6 eV 2	j	
11189.24 6	3+ <i>c</i>	5.24 keV 4	J	
11191 2			G J	
11196.51 6	(2 ⁻) ^c	2 eV 1	J	
11243.36 <i>6</i> 11274.13 <i>5</i>	$(2)^{+}c$	5.520 keV 20 0.590 keV 20	J J	
11280.03 5	4(-) <i>c</i>	1.730 keV 20	J	
11285.52 7	1 ^{-c}	1.41 keV 6	J	
11286.24 5	$(2^{+})^{c}$	0.7 eV 7	J	
11289.06 4	$(2^{-})^{c}$	2 eV 1	J	
11293.28 5		0.230 eV <i>20</i>	J	

E(level) [†]	\mathbf{J}^{π}	$T_{1/2}d$	X	REF		Comments
11296.04 9	(2-)	12.40 keV <i>10</i>	:	J		J ^{π} : Spin assignment based on χ^2 in 2012Ma14 ((n, γ),(n,n):res).
11310.57 4	$(1^{-})^{c}$	0.4 eV 2]	q	
11326.15 6	(1^{-})	0.3 eV 2]	q	
11328.20 7	$(1^{-})^{c}$	50 eV 20]	-	
11329.11 4	, ,		FG :]		E(level): From $(n,\gamma),(n,n)$:res.
11336.88 5	$(1^{-})^{c}$	0.1 eV 1]		
11344.77 7	4(-) <i>c</i>	3.49 keV 6		J		
11361.84 23	$(2^+)^{\it c}$	3.29 keV 5]		
11392.57 5	$(5^{+})^{c}$	240 eV 10]		
11441.08 6	4+ <i>c</i>	2.020 keV 40)	Q	
11457 2	•	2.020 RC 1 70	FG	,	•	
11465.62 8	$(5^{-})^{c}$	8.91 keV 8		J	Q	XREF: Q(11461).
11500.09 5	$(1^{-})^{c}$	25 eV 10)	Q	MCD: Q(11101).
11526.82 10	$(3^{-})^{c}$	3.00 keV 10)	Q	
11570 2	(5)	3.00 KC V 10	G	,	Q	
11570 2	$(2^{-})^{c}$	1.80 keV 10]		
11608.29 6	$(4^{-})^{c}$	0.84 keV 4)		
11611 5	(+)	0.04 KC V 4	f	,	Q	
11630 2					Q	
11646 5		<3 keV	f		Q	
11749 10		NO NO V	-			
11795 10		<3 keV			Q Q	
11827 2		<3 keV	F		Q	
11890 2		<3 keV	•		Q	
11909 2		6 keV 1			Q	
11945 10	$(6^{-})^{\&}$	o ne v 1		L	P	E(level): From $(\alpha,^3$ He).
12049 2	(0)	6 keV 2		L		E(level). Fight $(\alpha, \text{ He})$.
12049 2		U KEV Z	G		Q	
12110 2		25 keV 2	ď		Q	
12110 2		15 keV 2			Q	
12196 2		13 KC V 2	G		Q	
12345 2	0	40 keV 5	ď		Q	
12479 [‡] 2	(6 ⁻)&	40 KC V 3				VDDE 1 (10510)
			G	L	P	XREF: L(12512).
12865 <i>10</i>	$(6^{-})^{\&}$			L	P	E(level): From $(\alpha, {}^{3}\text{He})$.
12958 <i>10</i>				L		
13958 <i>10</i>	6			L		
14542 10	$(6^{-})^{\&}$			L	P	E(level): From $(\alpha,^3$ He).
16580 <i>10</i>	$(6^{-})^{\&}$			L	P	E(level): From $(\alpha, {}^{3}\text{He})$.
18050 <i>50</i>	$(6^{-})^{\&}$			_	P	T=2
10000 00	(0)				1	1-2

[†] From a least-squares fit to γ -ray energies, except otherwise noted. γ rays without uncertainty were calculated after the fit. Source of excited level energies for particle data sets are noted. During least-squares fit, the uncertainty for 1384.70 γ from 5716 keV level 958.81 γ from 4901 keV level were doubled to obtain the χ^2 value below normalized χ^2 =1.33. Yet 892.85 γ from 4835, 569.67 γ from 4901, 2776.82 γ from 5716, and 1223.35 γ from 6125 yield poor fit including aforementioned γ rays.

[‡] From 1986Gl06 (α ,p γ).

[#] From $1976\text{Mo}27 - (p,p'),(p,p'\gamma)$.

[@] Weighted average of data from (1976Mo27 – (p,p')) and (1986Gl06 – $(\alpha,p\gamma)$).

[&]amp; From 1989Se01 (pol p,p'), based on measured angular distributions and analyzing power.

^a Assignment in 2012Ma14 (n,γ) ,(n,n):res, based on R-matrix analysis.

^b From (e,e'), based on form factors, γ decay and shell model calculations.

²⁶Mg Levels (continued)

^c Assignment in 2012Ma14 (n,γ),(n,n):res, based on R-matrix analysis. ^d From 1986Gl06 (α,pγ), except otherwise noted. ^e Deduced by evaluators from Γ_0 in 1984Be26 – (γ,γ').

γ (²⁶Mg)

$E_i(level)$	\mathbf{J}_i^{π}	E_{γ}^{\dagger}	I_{γ}^{a}	E_f J_f^{π}	Mult. ^C	δ	Comments
1808.74	2+	1808.68 4	100	$0.0 0^{+}$	E2		B(E2)(W.u.)=13.4 6
2938.33	2+	1129.61 <i>4</i>	100.0 6	1808.74 2+	M1+E2	-0.12 2	B(M1)(W.u.)=0.096 6; B(E2)(W.u.)=6.1 21 δ : From 1963Br15 – (p,p' γ). Other values: -0.16 4 (1975Wa10 – (α , α ' γ)), -0.11 δ (1977Ki02 – (p,p' γ)), -0.09 5 (1969Ca18 – (α , α ')).
		2938.15 5	10.7 6	$0.0 0^{+}$	E2		B(E2)(W.u.)=0.39 4
3082.9		1274.1 [#] 20	100	1808.74 2 ⁺			
3420.2		1611.4 [#] <i>17</i>	100	1808.74 2+	D+Q#		
3564.9		1756.1 [#] <i>19</i>	100	1808.74 2 ⁺			
3588.56	0+	1779.74 8	100	1808.74 2+	E2		B(E2)(W.u.)=1.07 8
3941.57	3+	1003.25 4	100.0 16	2938.33 2+	M1+E2	-0.05 4	B(M1)(W.u.)=0.0162 24; B(E2)(W.u.)=0.23 +37-22
							δ: Weighted average of -0.06 6 (1968FeZY), -0.04 5 (1974Na22), and -0.05 10 (1975Wa06).
		2132.71 4	61.3 16	1808.74 2+	M1		B(M1)(W.u.)=0.00104 16
4318.89	4+	1380.88 <i>18</i>	1.85 11	2938.33 2+			E_{γ},I_{γ} : From ²⁶ Na β^- decay (2005Gr07).
		2510.01 5	100 2	1808.74 2 ⁺	[E2]		B(E2)(W.u.)=4.5 3
4332.52	2+	1394.28 7	19.3 10	2938.33 2+			
		2523.69 6	100.0 13	1808.74 2+			
		4332.2 3	7.6 8	$0.0 0^{+}$	[E2]		B(E2)(W.u.)=0.24 5
4350.09	3+	409.4 ^f 5	0.041^{f} 25	3941.57 3+			$E_{\gamma}I_{\gamma}$: More precise 409.22 γ 20 in ²⁶ Na β ⁻ decay (2005Gr07) yield poor fit. Branching from ²⁶ Na β ⁻ decay (2005Gr07).
		1411.72 <i>4</i>	93 4	2938.33 2+	M1+E2	-0.31 6	B(M1)(W.u.)=0.033 9; B(E2)(W.u.)=9 4 δ: From 1974Na22. Other value: -0.31 16 (1975Wa10).
		2541.18 6	100 4	1808.74 2+	M1+E2	-0.10 4	B(M1)(W.u.)=0.0066 18; B(E2)(W.u.)=0.06 5 δ: Weighted average of -0.11 6 (1968FeZY), -0.09 6 (1974Na22).
4644.9		2836.0 [#] <i>13</i>	100	1808.74 2+	D+Q#		, , , , , , , , , , , , , , , , , , , ,
4835.13	2+	485.05 [@] 9	2.77 [@] 5	4350.09 3+			
		502.73 [@] 9	2.65 [@] 4	4332.52 2+			I_{γ} : 2.1 4 in (n,γ) .
		892.85 [@] 19	0.26 [@] 4	3941.57 3 ⁺			,
		1896.72 <i>5</i>	100.0 [@] 4	2938.33 2+	M1		B(M1)(W.u.)=0.096 21
		3026.6 [@] 5	4.19 [@] 15	1808.74 2 ⁺			I_{γ} : 4.8 5 in (n,γ) .
		4834.61 <i>18</i>	10.8 [@] 9	$0.0 0^{+}$	E2		B(E2)(W.u.)=0.15 4
							I_{γ} : 13.1 12 in (n,γ) .
4901.44	4+	551.28 [@] <i>13</i>	1.61 [@] <i>14</i>	4350.09 3+			
		569.67 [@] 25	0.67 [@] 11	4332.52 2+			
		582.46 [@] 21	0.88 [@] 18	4318.89 4+			
		958.81 [@] 12	3.9 [@] 5	3941.57 3 ⁺			
		1962.99 [@] 24	1.89 [@] 14	2938.33 2+	[E2]		B(E2)(W.u.)=2.5 6

E_i (level)	\mathbf{J}_i^{π}	E_{γ}^{\dagger}	I_{γ}^{a}	$\mathbf{E}_f \mathbf{J}_f^{\pi}$	Mult. ^C	δ	Comments
4901.44	4+	3092.31 11	100 <i>I</i>	$1808.74 \ 2^{+}$	[E2]		B(E2)(W.u.)=14 3
4972.30	0_{+}	2033.88 12	100 4	2938.33 2+	E2		B(E2)(W.u.)=7.4 13
		3163.35	8 ^b 4	1808.74 2+	E2		B(E2)(W.u.)=0.06 4
5180.5		1238.9 [#] 7	100	3941.57 3 ⁺			
5291.74	2+	456.0 [@] 4	1.9 [@] 7	4835.13 2+			
		1350.20 <i>16</i>	3.4 7	3941.57 3 ⁺	[M1]		B(M1)(W.u.)>0.026
		2353.27 5	100.0 14	2938.33 2+			
		3482.2 5	6.6 9	1808.74 2+			E_{γ} : Weighted average of data from (n, γ) and ²⁶ Na β ⁻ decay (2005Gr07).
		5291.1 5	3.9 7	0.0 0+	E2		B(E2)(W.u.)>0.10
5476.05	4+	640.5 [@] 3	19 [@] 6	4835.13 2+) fr = E2	0.00.7	DAMAWA
		1157.23 6	100 4	4318.89 4+	M1+E2	+0.09 7	B(M1)(W.u.)=0.34 10; B(E2)(W.u.)=12 +19-11 δ: From 1975Wa10. Other: +0.05 19 (1974Na22).
		1534.49 <i>15</i>	51 4	3941.57 3 ⁺	M1+E2	-0.27 4	6: From 1975 ward. Other: +0.03 19 (1974 Na22). B(M1)(W.u.)=0.071 22; B(E2)(W.u.)=12 5
		1334.47 13	31 4	3741.37 3	IVII LLZ	0.27 4	δ: From 1974Na22. Other: -0.27 15 (1975Wa10).
		3667.4 5	25 2	1808.74 2+	[E2]		B(E2)(W.u.)=1.1 4
							E_{γ} : Weighted average of data from (n,γ) and 26 Na β^{-} decay (2005Gr07).
5691.08	(1^+)	1358.4 9	6 2	4332.52 2+			
		2752.56 25	46 3	2938.33 2+			
		3882.0 <i>3</i>	100 5	1808.74 2+	ъ		
5711.0	(1 + 2+)	5691.1 9	11 3	$0.0 0^{+}$	D		
5711.2	$(1^+,2^+)$	2122.5# 8	100	3588.56 0 ⁺			
5715.91	4+	240.12 [@] 11	2.16 [@] 17	5476.05 4+			
		424.3 [@] 3	0.38 9	5291.74 2+			
		1365.54 20	95.1 [@] 4	4350.09 3 ⁺	M1+E2	-0.17 3	B(M1)(W.u.)=0.036 <i>10</i> ; B(E2)(W.u.)=3.1 <i>14</i> δ: Weighted average of -0.18 <i>3</i> (1974Na22), -0.05 <i>12</i> (1975Wa10).
		1384.70 [@] <i>16</i>	4.41 [@] <i>17</i>	4332.52 2+			
		1774.0 9	100 5	3941.57 3 ⁺	M1+E2	-0.12 4	B(M1)(W.u.)=0.017 <i>5</i> ; B(E2)(W.u.)=0.4 <i>2 δ</i> : From 1974Na22.
		2776.82 20	51.4 [@] <i>14</i>	2938.33 2+	[E2]		B(E2)(W.u.)=1.7 5
		3906.8 [@] 7	3.35 [@] 22	1808.74 2+			
6125.47	3 ⁺	409.4 ^f 5	0.10^{f} 5	5715.91 4+			E_{γ} , I_{γ} : More precise 409.22 γ 20 in 26 Na β^- decay (2005Gr07) yield poor fit. Branching from 26 Na β^- decay (2005Gr07).
		833.47 21	3.4 4	5291.74 2+			E _{γ} : Unweighted average of data from (n,γ) and 26 Na β^- decay (2005Gr07).
		1223.35 [@] 15	1.3 3	4901.44 4 ⁺			Δy . On respice average of data from (n, y) and (n, y) and (20050107) .
		1290.40 7	5.2 <i>4</i>	4901.44 4 4835.13 2 ⁺			
		1775.31 5	100.0 14	4350.09 3+	[M1]		B(M1)(W.u.)=0.20 9
		1792.87 12	6.5 6	4332.52 2+	r1		X X X X X X X X X X X X X X X X X X X
		2183.83 6	13.7 7	3941.57 3 ⁺			

	$E_i(level)$	\mathbf{J}_i^{π}	$\mathrm{E}_{\gamma}^{\dagger}$	I_{γ}^{a}	\mathbf{E}_f \mathbf{J}_f^{π}	Mult. ^c	δ	Comments
	6125.47	3+	3187.14 28 4316.39 24	5.8 <i>6</i> 4.8 <i>6</i>	2938.33 2 ⁺ 1808.74 2 ⁺			
	6256.2	0+	565.1 [#] <i>13</i> 4447.1	8 <i>4</i> 100 <i>4</i>	5691.08 (1 ⁺) 1808.74 2 ⁺	D E2		B(E2)(W.u.)=1.2 8
	6483.2		1302.7 [#] <i>13</i>		5180.5			
	6622.94	(4^{+})	1146.9‡	19^{b}_{0} 2	5476.05 4+	[M1]		B(M1)(W.u.)=0.063 18
			1721.39 [@] 20	100 @ 4	4901.44 4+	M1(+E2)	$-0.26^{\circ} +60-10$	B(M1)(W.u.)=0.09 4; B(E2)(W.u.)=12 +52-8
			2272.7 [@] 3	43.8 [@] 18	4350.09 3+			
			2290.2 [@] 3	26.2 [@] 14	4332.52 2+	[E2]		B(E2)(W.u.)=12 4
			2304.2 [@] 3	37.6 [@] 18	4318.89 4+			I_{γ} : Other: 23 4 (α ,p γ).
			4813.7 [@] 10	3.8 [@] 5	1808.74 2+			
	6634.2		3695.63 25	100 1	2938.33 2+			
			4825.0 [‡]	6 ^b 1	1808.74 2+			
	6745.13	2+	1453.16 [@] 17	24 [@] 4	5291.74 2+			24
			3807.0 5	100 [@] 6	2938.33 2+			E _{γ} : Weighted average of data from (n,γ) and ²⁶ Na β^- decay (2005Gr07). I _{γ} : Other: 59 δ (n,γ) .
			4936.3 <i>3</i>	99 [@] 8	1808.74 2+			1_{γ} . Other. 39 0 (ii, γ).
			6743.9 [@] 21	1.9 6 5	$0.0 0^{+}$			
	6876.42	3-	2041.44 16	4.7 6	4835.13 2 ⁺			
	00701.12		2543.7 4	6.1 9	4332.52 2+			
			2557.2 <i>3</i>	4.4 4	4318.89 4+			
			2934.8 6	4.2 9	3941.57 3 ⁺	[E1]		$B(E1)(W.u.)=1.1\times10^{-5} 5$
			3937.80 <i>11</i> 5067.13 <i>4</i>	26.2 <i>12</i> 100.0 <i>19</i>	2938.33 2 ⁺ 1808.74 2 ⁺			
	6951.7		1771.1 [#] 14	100.0 19	5180.5			
	6971.8	(4 ⁺)	3030.0 [#] 20	100	3941.57 3 ⁺	D+Q#		
	6978.3	(5^+)	1263.7 [#] 21	8 2	5715.91 4 ⁺	D⊤Q		
	0770.5	(5)	1501.8 [#] 10	100 8	5476.05 4+	M1+E2	-0.21 ^e 5	B(M1)(W.u.)=0.22 9; B(E2)(W.u.)=24 15
			2076.8	22 4	4901.44 4+	M1+E2	-1.0^{e} 6	B(M1)(W.u.)=0.010 7; B(E2)(W.u.)=13 9
			2628.1	9 2	4350.09 3 ⁺	[E2]		B(E2)(W.u.)=3.2 14
			2660.0 [#] 20	34 <i>4</i>	4318.89 4+	M1+E2	-0.4^{e} 2	B(M1)(W.u.)=0.012 5; B(E2)(W.u.)=1.5 12
	70(1.00	1-	3036.5	28 4	3941.57 3 ⁺	E2		B(E2)(W.u.)=4.8 19
I	7061.90	1-	3472.9 <i>3</i> 4122.9 <i>6</i>	94 <i>8</i> 28 <i>6</i>	3588.56 0 ⁺ 2938.33 2 ⁺	[E1]		B(E1)(W.u.)>0.00089
			5252.9 <i>3</i>	56 8	1808.74 2 ⁺	[E1]		B(E1)(W.u.)>0.00015
			7060.6 7	100 14	0.0 0+			
1								

$E_i(level)$	\mathbf{J}_i^{π}	E_{γ}^{\dagger}	I_{γ}^{a}	$\mathbf{E}_f \qquad \mathbf{J}_f^{\pi}$	Mult. ^C	δ	Comments
7099.68	2+	2264.25 21	40 6	4835.13 2+			
		3158.4 6	18 <i>4</i>	3941.57 3+			
		4160.96 20	100 10	2938.33 2+			
		5290.3 5	32 4	1808.74 2+			7 O.
	2+	7098.9 5	10 4	$0.0 0^{+}$			I_{γ} : Other: 26 4 – ²⁶ Na β^- decay (2005Gr07).
7246.49	3 ⁺	1953.6 [@] 7	11 [@] 5	5291.74 2+			
		2411.5 [@] 3	100 @ 4	4835.13 2 ⁺			I_{γ} : Other: 40 δ (α ,p γ).
		2896.4 [@] 4	97 [@] 5	4350.09 3+			
		2913.7 [@] 4	59 [@] 4	4332.52 2+			I_{γ} : Other: 100 $I6$ (α ,p γ).
		2927.2 [@] 5	22 [@] 3	4318.89 4+			I_{γ} : Other: 76 16 (α ,p γ).
		3304.6 [@] 5	51 [@] 3	3941.57 3 ⁺			I_{γ} : Other: 96 16 (α, p_{γ}) .
		4308.1 [@] 8	42 [@] 3	2938.33 2+			
		5436.1 [@] 13	3.6 [@] 7	1808.74 2 ⁺			
7261.40		2426.09 6	25.1 8	4835.13 2 ⁺			
		2911.12 <i>19</i>	8.0 6	4350.09 3+			
		2928.56 17	9.4 6	4332.52 2+			
		3319.66 5	47.4 18	3941.57 3 ⁺			
		4322.68 <i>8</i> 5452.03 <i>4</i>	15.2 8 100.0 25	2938.33 2 ⁺ 1808.74 2 ⁺			
7282.82	(4^{-})	1567.06 <i>11</i>	9.2 8	5715.91 4 ⁺			
7202.02	(')	2381.28 15	10.2 10	4901.44 4+			
		2932.5 4	18.2 20	4350.09 3+			
		2963.61 9	62 4	4318.89 4+	(E1+M2)	+0.5 4	B(E1)(W.u.)=0.00031 15; B(M2)(W.u.)=4.E+1 +6-3
		3341.01 7	100 4	3941.57 3+	[E1]		B(E1)(W.u.)=0.00043 15
7348.86	3-	1873.1 <i>5</i>	1.5 4	5476.05 4+			
		2513.52 8 3016.18 23	42 <i>3</i> 11.9 <i>1</i> 2	4835.13 2 ⁺ 4332.52 2 ⁺			
		3029.6 8	3.2 4	4332.32 2 4318.89 4+			
		4410.15 5	100 4	2938.33 2+			
		5539.53 15	31.5 19	1808.74 2 ⁺			
7371.36	2+	1245.68 [@] 24	38 [@] 5	6125.47 3+			
		2080.0 [@] 6	5.1 [@] 16	5291.74 2+			
		3021.9 4	27 4	4350.09 3+			E_{γ} : Weighted average of data from (n,γ) and 26 Na β^- decay (2005Gr07).
		3039.1 [@] 5	6.3 [@] 10	4332.52 2 ⁺			
		3428.7 4	100 15	3941.57 3 ⁺			E_{γ} : Other: 3430.2 5 (2005Gr07) – 26 Na β^{-} decay.
		5562.9 9	27 4	1808.74 2+			,
		7369.8 7	54 15	$0.0 0^{+}$			
7396.0	(5^{+})	1680.0 [#] <i>10</i>	100 6	5715.91 4 ⁺	(M1+E2)	$-0.14\ 2$	B(M1)(W.u.)>0.16; B(E2)(W.u.)>4.6

$E_i(level)$	\mathbf{J}_i^{π}	E_{γ}^{\dagger}	I_{γ}^{a}	$\mathbf{E}_f \mathbf{J}_f^{\pi}$	Mult. ^c	δ	Comments
7396.0	(5 ⁺)	2494.4	36 4	4901.44 4+			
	, ,	3045.7	26 2	4350.09 3+			
		3076.9	14 4	4318.89 4+			
		3454.2	24 2	3941.57 3 ⁺			
7541.71	(2^{-})	3191.2 6	8.7 11	4350.09 3+			
		3208.98 8	100 4	4332.52 2+			
		3599.86 <i>14</i>	38 <i>3</i>	3941.57 3+			
		4602.93 7	84 <i>4</i> 39 <i>3</i>	2938.33 2+			
7677	(4^{+})	5732.37 <i>15</i> 1551.5	39 3 35 <i>4</i>	1808.74 2 ⁺ 6125.47 3 ⁺			
077	(4)	1961.0	100 8	5715.91 4+			
		2775.4	44 6	4901.44 4+			
		3357.9	29 4	4318.89 4+			
7696.8	1(-)	4757.6 <mark>&</mark>	37 <mark>&</mark> 13	2938.33 2+			
, 0, 0.0	•	5887.9 <mark>&</mark>	17 ^{&} 5	1808.74 2 ⁺			
		7695.6 8	100 & 31	$0.0 0^{+}$			
725.8	3 ⁺	3406.9 [@] 5	100 4	4318.89 4+			
		3783.7 [@] 7	19 4	3941.57 3 ⁺			I_{γ} : Other: 50 7 – (2005Gr07) – ²⁶ Na β ⁻ decay.
		5915.5 [@] <i>16</i>	20 [@] 4	1808.74 2+			
7773.7	(4^{+})	2297.5	30 8	5476.05 4+			
		2938.4	30 8	4835.13 2+			
		3454.7 [@] 9	20 6	4318.89 4+			
		3831.7 [@] 7	100 14	3941.57 3 ⁺			
		4834.9	20 6	2938.33 2+			
7817.8	$(2,3)^{+}$	3485.0 [@] 7	100 [@] 15	4332.52 2+			
		6008.7 [@] 16	67 <mark>@</mark> 9	1808.74 2 ⁺			
824	3-	3882	100 13	3941.57 3+			
		4885	100 13	2938.33 2+			
	a.t	6015	50 10	1808.74 2+			
840	2+	3521	47 10	4318.89 4+	F2		
		4251	100 <i>12</i> 63 <i>12</i>	3588.56 0 ⁺ 2938.33 2 ⁺	E2		
		4901 6030.5	23 7	2938.33 2 ⁺ 1808.74 2 ⁺			
950.0	5-	2234.0 [#] 20	47 <i>5</i>	5715.91 4 ⁺	E1+M2	-0.19 <i>15</i>	B(E1)(W.u.)=0.0015 7; B(M2)(W.u.)=5.E+1 +8-4
<i>5</i> 30.0	3	3633.8 [#] 10	100 5	4318.89 4+		+0.13 <i>11</i>	B(E1)(W.u.)=0.00013 /; B(M2)(W.u.)=3.E+1 +0-4 B(E1)(W.u.)=0.0008 4; B(M2)(W.u.)=5 +8-4
3034		5095	100 5	4318.89 4* 2938.33 2*	E1+M2	+0.13 11	D(E1)(W.U.)=0.00084; B(M2)(W.U.)=3+8-4
3052.4	2(+)	6242.9 7	100	1808.74 2 ⁺			
		ULTL./ /	100	1000.77 2			

E_i (level)	\mathbf{J}_i^{π}	$E_{\gamma}{}^{\dagger}$	I_{γ}^{a}	\mathbf{E}_f	\mathbf{J}_f^{π}	Mult. ^c	δ	Comments
8184.93	3-	6375.38 16	100 4	1808.74	2+			
8201.1	(6^{+})	1223.0 14	44 4	6978.3		$D^{\boldsymbol{e}}$		
		3299.5 10	78 7	4901.44				
		3881.8 <i>10</i>	100 9	4318.89				
8227.31	1-	6417.9 3	85 6	1808.74				
8250.58	(3 ⁺)	8225.6 <i>4</i> 5311.66 <i>16</i>	100 <i>6</i> 100 <i>6</i>	0.0 2938.33				
0230.30	(3)	6441.1 8	3.9 8	1808.74				
8458.9	3 ⁺	4139.7 5	55 8	4318.89				
		6649.1 7	100 6	1808.74	2+			
8464		4144.8	100	4318.89) 4 ⁺			
8472.3	(6^{+})	1494.0 [#] <i>14</i>	38 5	6978.3		D+Q <mark>e</mark>	-0.32 ^e 10	
		3570.6	100 6	4901.44				
0502.7	1-	4153.1	21 3	4318.89				
8503.7	1-	6694.0 <i>7</i> 8502.2 <i>3</i>	39 <i>6</i> 100 <i>6</i>	1808.74 0.0				
8532.1	(2^{+})	4181.9 7	66 11	4350.09				
0332.1	(2)	5593.2 4	100 13	2938.33				
		6722.1 7	47 9	1808.74				
8625	5-	2002	100 4	6622.94	(4+)	E1+M2	+0.03 ^e 1	B(E1)(W.u.)=0.0028 6; B(M2)(W.u.)=2.9 21
		4305.7	18 4	4318.89) 4 ⁺	E1 d		$B(E1)(W.u.)=5.1\times10^{-5}$ 16
8670	(3,5)	3193.7	54 8	5476.05	5 4 ⁺	D+Q	<+0.5	δ: also, >-0.5. Measured values: +0.35 15 (for J=3); -0.13 +7-26 (for J=5).
		4350.7	100 8	4318.89) 4 ⁺	D+Q	<+0.13	δ : also, >-0.13. Measured values: +0.03 +3-9 (for J=3); +0.09 +4-9 (for J=5).
8705.6	$(2 \text{ to } 4)^+$	3229.3	29 <mark>b</mark> 7	5476.05	5 4 ⁺			,
	(= :: ')	4355.3 6	12 3	4350.09				E_{γ} , I_{γ} : γ-ray energy from (n,γ) . Branching normalized to I_{γ} of 5766γ in 1992Wa06 and $(\alpha,p\gamma)$.
		4386.3	100 ^b 11	4318.89) 4 ⁺			,,, (u)[//.
		4763.6	64 ^b 9	3941.57				
		5766.6 <i>3</i>	29 ^b 7	2938.33				
8863.8	2+	5924.8 <i>4</i>	69 8	2938.33				
		7054.0 6	100 8	1808.74				
8903.52	(2^{+})	1554.8 <i>4</i>	7.9 14	7348.86				
		1620.8 <i>3</i>	21 2	7282.82				
		1642.09 25	22 2	7261.40				
		3611.5 4	30 3	5291.74				
		4001.8 <i>3</i> 4553.02 <i>13</i>	30 <i>3</i> 100 <i>7</i>	4901.44 4350.09				
		4961.42 22	97 7	3941.57				

$E_i(level)$	J_i^{π}	E_{γ}^{\dagger}	I_{γ}^{a}	$\mathbf{E}_f \qquad \mathbf{J}_f^{\pi}$	Mult. ^C	δ	Comments
8903.52	(2 ⁺)	5964.31 20	36 <i>3</i>	2938.33 2+			
8930		2307	50 11	6622.94 (4+)			
		3214	100 14	5715.91 4+			
		3453.7	75 <i>14</i>	5476.05 4 ⁺			
0050 4	1-	4987.9 7149.4	53 <i>11</i> 64 <mark>&</mark> 7	3941.57 3 ⁺			
8959.4	1-		100 ^{&} 12	1808.74 2+			
9020		8957.7 <i>5</i> 4701	100 × 12 100	$0.0 0^{+} $ $4318.89 4^{+}$			
9043.4	3(+)	6104.3 9	100	2938.33 2 ⁺			
9064	5 ⁺	1668	26 5	7396.0 (5+)	D+Q ^e	+0.6 ^e 4	
		4162	26 5	4901.44 4+			
		4744.7	100 8	4318.89 4+	$D^{\boldsymbol{e}}$		
9111.2	6+	1715	16 ^b 4	7396.0 (5 ⁺)	[M1]		B(M1)(W.u.)>0.032
		2488	16 ^b 4	6622.94 (4 ⁺)	[E2]		B(E2)(W.u.)>9.4
		3635	100 <mark>b</mark> 12	5476.05 4+	[E2]		B(E2)(W.u.)>8.8
		4209.4	32 <mark>b</mark> 6	4901.44 4+	[E2]		B(E2)(W.u.)>1.4
		4792	36 <mark>b</mark> 6	4318.89 4+	[E2]		B(E2)(W.u.)>0.80
9139.5	1	9137.8	100	$0.0 0^{+}$			
9169	(6-)	1218.7 [#] <i>23</i>	100 <mark>b</mark> 7	7950.0 5-	M1+E2 ^d	−0.14 ° 6	B(M1)(W.u.)=0.25 8; B(E2)(W.u.)=18 17
		1773	39 <mark>b</mark> 6	7396.0 (5 ⁺)	E1+M2 ^d	+0.07 ^e 5	B(E1)(W.u.)=0.0011 4; B(M2)(W.u.)=8 +12-7
		1886	24 ^b 4	7282.82 (4-)	[E2]		B(E2)(W.u.)=26 10
		2190.6	22 ^b 4	6978.3 (5 ⁺)	[E1]		B(E1)(W.u.)=0.00034 13
9206		4887	100	4318.89 4+			
9238.9	1 ⁽⁺⁾	5649.5 <mark>&</mark>	23 ^{&} 5	3588.56 0 ⁺			
		9237.1 8	100 <mark>&</mark> 20	$0.0 0^{+}$	M1		B(M1)(W.u.)=0.072 9
9261	(4^{+})	5319	100	3941.57 3 ⁺			
9291 9304		7481 4985	100 100	1808.74 2 ⁺ 4318.89 4 ⁺			
9304		4983	100	4332.52 2+			
9325.57	$(2^+ \text{ to } 4^+)$	4424.2 8	27 4	4901.44 4+			
		4489.4 9	27 4	4835.13 2 ⁺			
		4975.3 9	32 5	4350.09 3+			
		4992.4 8	48 5	4332.52 2+			
		5383.8 <i>7</i> 6386.34 <i>23</i>	16 <i>3</i> 100 <i>8</i>	3941.57 3 ⁺ 2938.33 2 ⁺			
9371	4+	5429	100 8	3941.57 3 ⁺			
9383	6 ⁺	1182	15^{b} 3	8201.1 (6 ⁺)			
1505	J	2404.6	74 ^b 10	6978.3 (5 ⁺)	D+Q ^e	-0.14 ^e 6	

E_i (level)	\mathbf{J}_i^{π}	E_{γ}^{\dagger}	I_{γ}^{a}	$\mathbf{E}_f \qquad \mathbf{J}_f^{\pi}$	Mult. ^c	δ	Comments
9383	6+	2759.9	38 b 5	6622.94 (4+	Q ^e		
		3666.8	100 ^b 13	5715.91 4+	Q^e		
		5063.6	$28^{b} 5$	4318.89 4+			
9427.8	3 ⁺	5077.4 9	23 6	4350.09 3+			
		6488.6 <i>4</i>	100 8	2938.33 2+			
0.471	(1 4- 5)+	7617.8 <i>7</i>	33 5	1808.74 2 ⁺ 3941.57 3 ⁺			
9471	$(1 \text{ to } 5)^+$ 5 ⁺	5529	100 5.3 ^b 16		De.		
9540.3	5'	2562		6978.3 (5 ⁺) D <mark>e</mark>		
		3824.0 [#] 20	$23^{b} 3$	5715.91 4+			
		4638.4	34 ^b 7	4901.44 4+			
		5221.0 [#] 20	100 ^b 10	4318.89 4+	D+Q ^ℓ	+0.06 ^e 5	
9563.5	1+	7753.1 <mark>&</mark>	49 <mark>&</mark> 11	1808.74 2+			
		9561.6 <mark>&</mark>	100 ^{&} 21	0.0 0+	M1		
9574.06	$(2^{-} \text{ to } 4)$	2290.8 4	14.0 24	7282.82 (4-)		
		2697.7 <i>3</i> 3448.8 <i>7</i>	24.4 <i>24</i> 20.7 <i>24</i>	6876.42 3 ⁻ 6125.47 3 ⁺			
		5223.37 12	100 9	4350.09 3+			
		5632.3 6	14.6 18	3941.57 3 ⁺			
9590		6651	100 ^b 13	2938.33 2+			
		7780	67 <mark>b</mark> 13	1808.74 2+			
9617.0	$(1 \text{ to } 3)^{-}$	7807.0 9	100	1808.74 2+			
9681	$(0 \text{ to } 5)^+$	7871	100	1808.74 2+			
9770.8	1(-)	7961.1 <mark>&</mark>	69 <mark>&</mark> 14	1808.74 2+			
		9768.8 <mark>&</mark>	100 <mark>&</mark> 19	$0.0 0^{+}$			
9771		4869	100 <mark>b</mark> 16	4901.44 4+			
		5452	100 <mark>b</mark> 16	4318.89 4+			
9814		5495	100	4318.89 4+			
9829.5	$(5,7)^+$	1357.2	6.7 ^b 11	8472.3 (6+)		
		1628.3 [#] 12	100.0 ^b 22	8201.1 (6+	M1(+E2)	<+0.24	B(M1)(W.u.)>0.084; B(E2)(W.u.)<18 δ: also, >-0.24. Measured values: +0.19 +5-11 (for J^{π} =5+); -0.03 +1-4 (for J^{π} =7+).
		2433.4	5.6 <mark>b</mark> 11	7396.0 (5+)		().
9856.8	2+	5020.7 8	62 10	4835.13 2+	,		
		5523.6 7	100 12	4332.52 2+			
		5915.8 9	31 10	3941.57 3+			
0000 2	2+	9854.5 7	43 10	$0.0 0^{+}$			
9900.3	3+	6961	100	2938.33 2 ⁺			

$E_i(level)$	\mathbf{J}_i^{π}	E_{γ}^{\dagger}	I_{γ}^{a}	\mathbf{E}_f \mathbf{J}_f^{π}	Mult. ^C	δ		Comments	
9927		5025	100	4901.44 4+					
9939		5619	100	4318.89 4+					
9967	2+	5065	100 <mark>b</mark> 9	4901.44 4+					
		7028	67 <mark>b</mark> 9	2938.33 2+					
9982		6040	100	3941.57 3 ⁺					
9989	(6^{+})	1517	25 ^b 4	8472.3 (6+)	$(M1+E2)^{e}$	−0.17 ^e 10	B(M1)(W.u.)>0.15		
		3011	100 ^b 7	6978.3 (5 ⁺)	$(M1+E2)^{e}$	-0.09^{e} 5	B(M1)(W.u.)>0.078		
		5669.5	20 ^b 4	4318.89 4+	[E2]		B(E2)(W.u.)>0.42		
10040	5-	4323.7	100 ^b 13	5715.91 4+					
		5138.0	51 <mark>b</mark> 9	4901.44 4+					
		5720.4	71 <mark>b</mark> 9	4318.89 4+					
10069		5167	100	4901.44 4+					
10102.5	1-	7162.4 9	35 9	2938.33 2+					
		10100.5 4	100 13	$0.0 0^{+}$					
10126.7	4 ⁺	7187.4 8	52 9	2938.33 2 ⁺					
101451		8316.4 8	100 <i>13</i> 43& 3	1808.74 2+					
10147.1	1+	8337.9		1808.74 2+	3.61				
10184		10145.0& 5282	100 & 9 100	$0.0 0^{+} $ $4901.44 4^{+} $	M1				
10184		3282 8409.7 9	100	1808.74 2 ⁺					
10234		5332	100	4901.44 4+					
10319.5	1+	7378.4 <mark>&</mark>	67 <mark>&</mark> 19	2938.33 2+					
		10317.3 <mark>&</mark>	100 <mark>&</mark> 22	0.0 0+	M1				
10349.4	$(0^+ \text{ to } 4^+)$	8539.2 9	100	1808.74 2 ⁺	1111				
10362.26	$(2^+ \text{ to } 4^+)$	3261.8 <i>4</i>	62 5	7099.68 2+					
		4886.3 5	46 8	5476.05 4+					
		6011.2 <i>5</i> 8552.2 <i>3</i>	49 <i>8</i> 100 <i>10</i>	4350.09 3 ⁺ 1808.74 2 ⁺					
10377		8552.2 5 4661	100 10	5715.91 4 ⁺					
10529		4813	100 ^b 17	5715.91 4+					
10329		6196	67 ^b 17	4332.52 2+					
10572.2	1-		100 & 17	4332.32 2 4972.30 0 ⁺					
10573.3	1	5600.4	89& 19						
10576		10571.0		0.0 0+					
10576		2044	85 ^b 8	8532.1 (2 ⁺)					
10600 1	(1+ , 4+)	3597	100 ^b 8	6978.3 (5 ⁺)					
10600.1	$(1^+ \text{ to } 4^+)$	3500.6 9	0.06 2	7099.68 2+					

$E_i(level)$	\mathtt{J}_{i}^{π}	E_{γ}^{\dagger}	I_{γ}^{a}	\mathbf{E}_f	\mathbf{J}_f^{π}	Mult. ^c
10600.1	$(1^+ \text{ to } 4^+)$	6267.0 6	100 17	4332.52	2+	
		6657.3 <i>5</i>	86 17	3941.57	3 ⁺	
		7660.4 9	39 6	2938.33	2+	
10647.3	1+	3547.4	1.41 ^{&} 14	7099.68	2+	
		5355.0	1.84 <mark>&</mark> 15	5291.74	2+	
		5674.4	1.84 ^{&} 15	4972.30	0_{+}	
		7707.7	7.3 & 4	2938.33	2+	
		8837.0	1.76 ^{&} 21	1808.74	2+	
		10645.0	100 & 4	0.0	0_{+}	M1
10650	$(4^- \text{ to } 7^-)$	1481	56 ^b 8	9169	(6-)	
		3254	100 ^b 8	7396.0	(5^{+})	
10693		3297	100	7396.0	(5 ⁺)	
10707		4991	100 100 ^b 9	5715.91	4 ⁺	
10767		6416	45^{b} 9	4350.09	3 ⁺	
4000 7 0	(0± 4±)	7827	45° 9 100 <mark>&</mark> 12	2938.33	2+	
10805.9	$(0^+ \text{ to } 4^+)$	8995.5 4	100 ^{&} 12 28 ^{&} 8	1808.74	2+	
40045		10803.3		0.0	0+	
10945		1562	$16^{b} 4$	9383	6+	
		1776	100 ^b 9	9169	(6-)	
		2320	48 ^b 7	8625	5-	
10949.1	1-	6615.6	18.9 <mark>&</mark> 18	4332.52	2+	
		7359.4	8.2 ^{&} 13	3588.56	0_{+}	
		8009.4	23.7 & 23	2938.33	2+	
		9138.7	100 & 6	1808.74	2+	
		10946.6	24 <mark>&</mark> 4	0.0	0_{+}	
11012		6110	61 ^b 12	4901.44		
		6692	100^{b} 12	4318.89	4+	
11153.5	1+	6180.4	14 ^{&} 4	4972.30	0_{+}	
		6820.0	11.2 ^{&} 16	4332.52	2+	
		7563.8	16 ^{&} 4	3588.56	0_{+}	
		9343.0	4.2 ^{&} 6	1808.74	2+	
		11150.9	100 ^{&} 12	0.0	0_{+}	
11191		3241	72 ^b 14	7950.0	5-	

$E_i(level)$ J_i^{π}	E_{γ}^{\dagger}	I_{γ}^{a}	\mathbf{E}_f	\mathbf{J}_f^{π}	$E_i(level)$	\mathbf{J}_i^{π}	E_{γ}^{\dagger}	I_{γ}^{a}	\mathbf{E}_f \mathbf{J}_f^{π}
11191	5474	100 ^b 14	5715.91	4+	12088		4692	79 ^b 15	7396.0 (5+)
11329.11	3933		7396.0				5109	100 ^b 15	6978.3 (5 ⁺)
	4350	56 <mark>b</mark> 8	6978.3	(5^{+})	12196		3723		8472.3 (6+)
11457	6555	100	4901.44				3995		8201.1 (6+)
11570	3098		8472.3			(6-)	2649		9829.5 (5,7)+
	4174	82 ^b 15	7396.0	(5^{+})			4278	64 ^b 10	8201.1 (6+)

[†] From (n,γ) , except otherwise noted. ‡ From level energy differences. Recoil energy subtracted. # From $(^{13}C,\alpha n\gamma)$. @ From $^{26}Na \beta^-$ decay (2005Gr07). & From $(\text{pol }\gamma,\gamma'),(\gamma,\gamma')$.

^a Relative photon branching from each level.

^b γ -ray branching from $(\alpha, p\gamma)$ 1986Gl06.

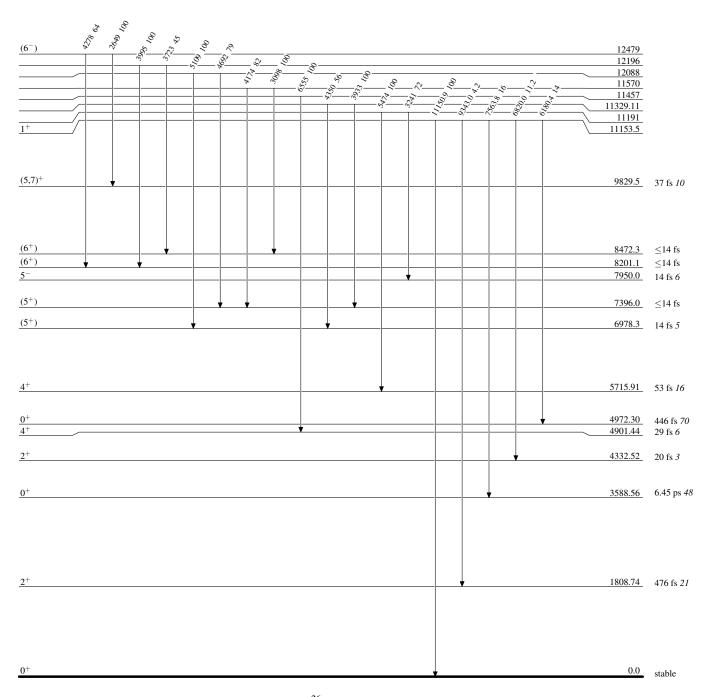
^c Based on reported mixing ratio and RUL. Details are noted as comments.

^d From $(\alpha, p\gamma)$ and recommended upper limits for γ -ray transition strengths.

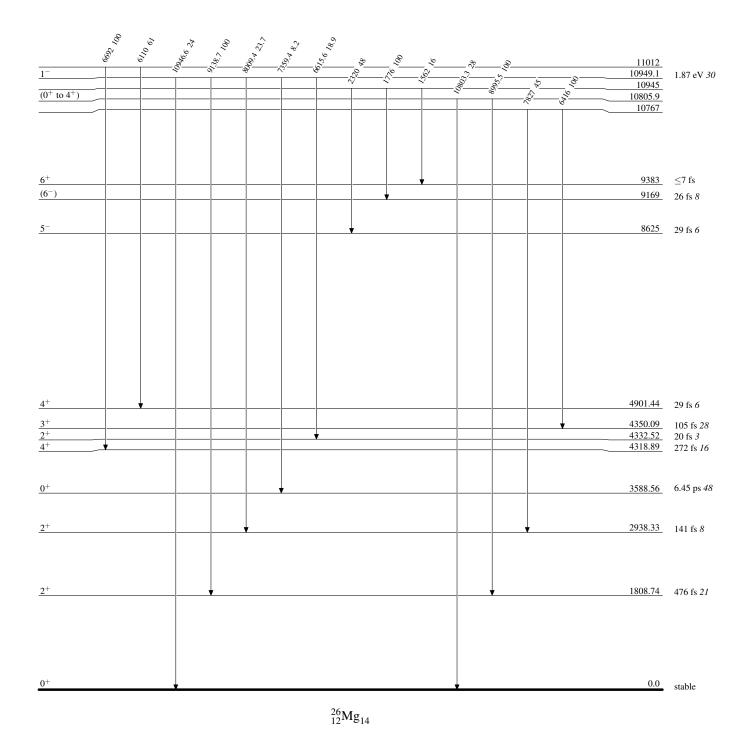
^e From (α, pγ) - 1986Gl06.

f Multiply placed with intensity suitably divided.

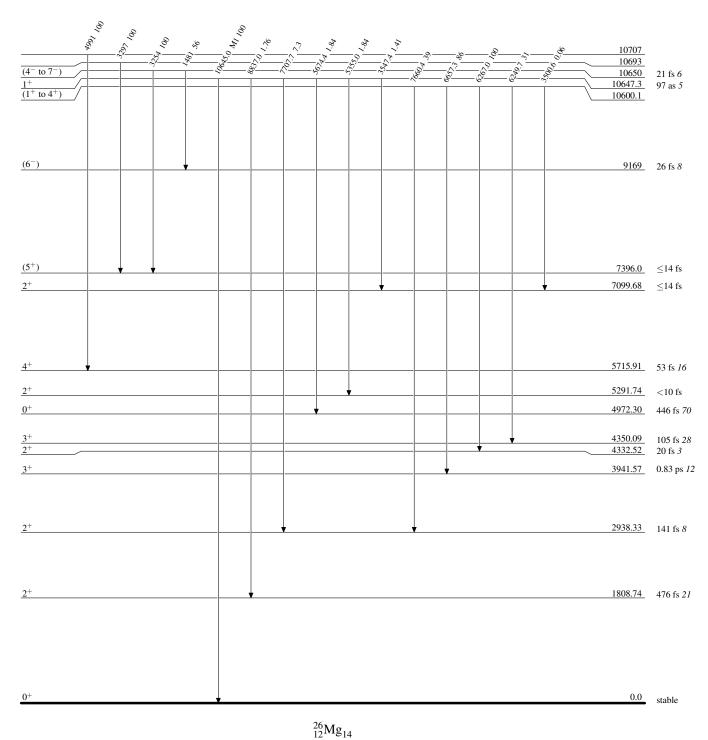
Level Scheme



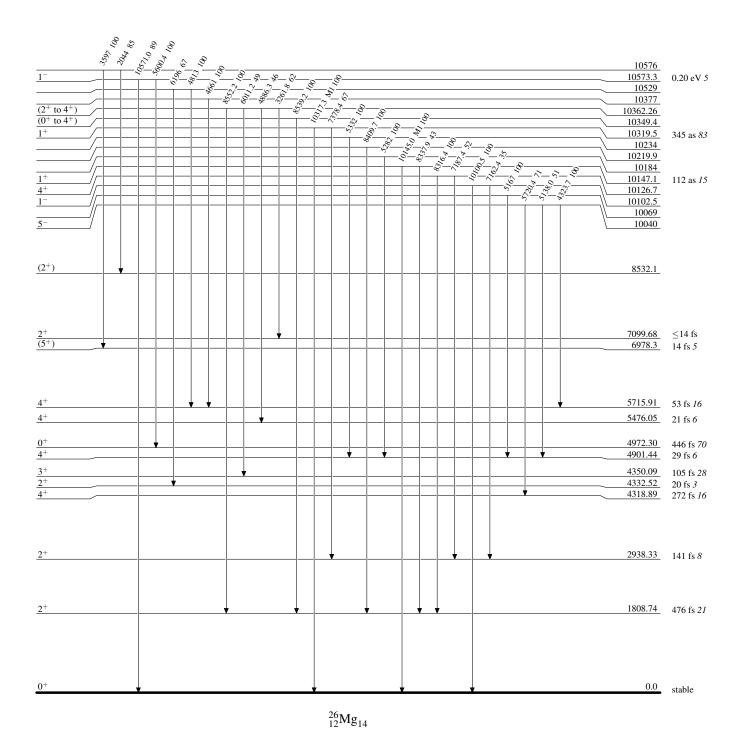
Level Scheme (continued)



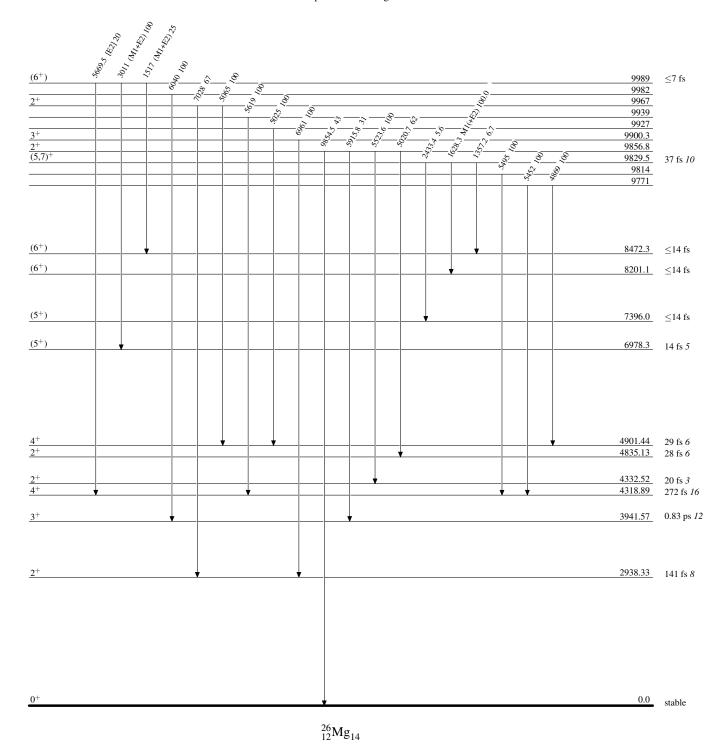
Level Scheme (continued)



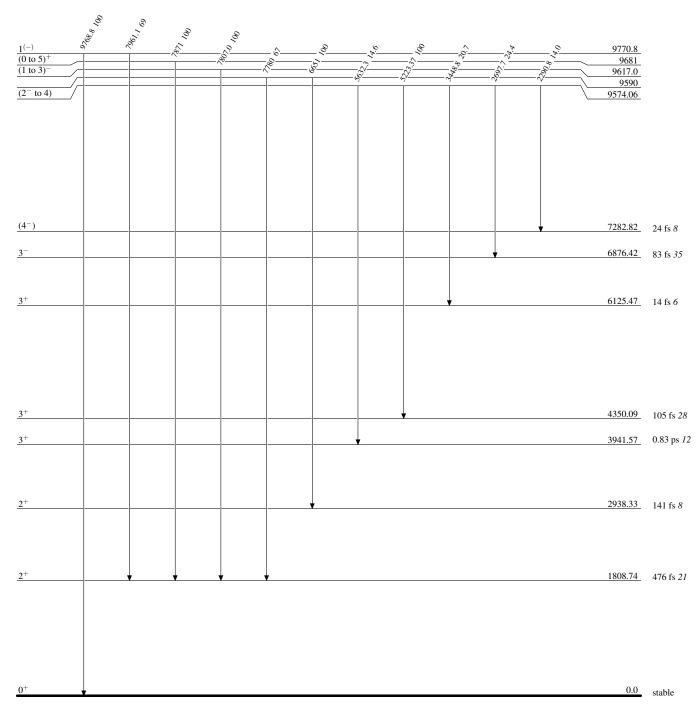
Level Scheme (continued)



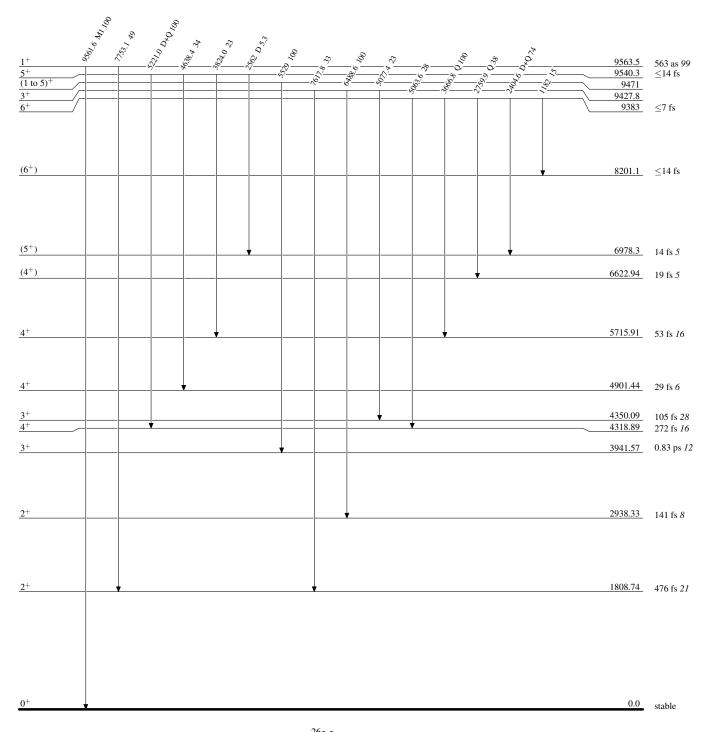
Level Scheme (continued)



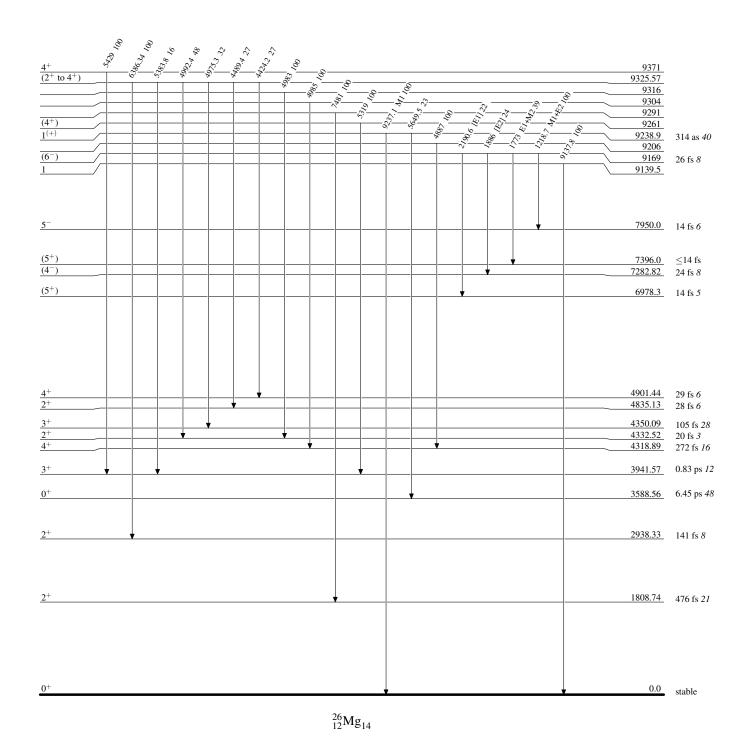
Level Scheme (continued)



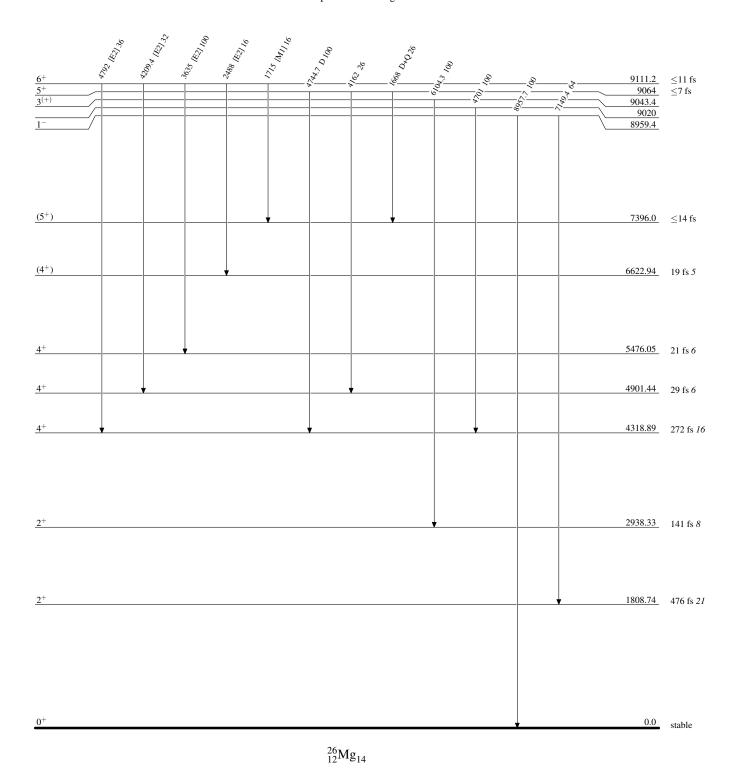
Level Scheme (continued)



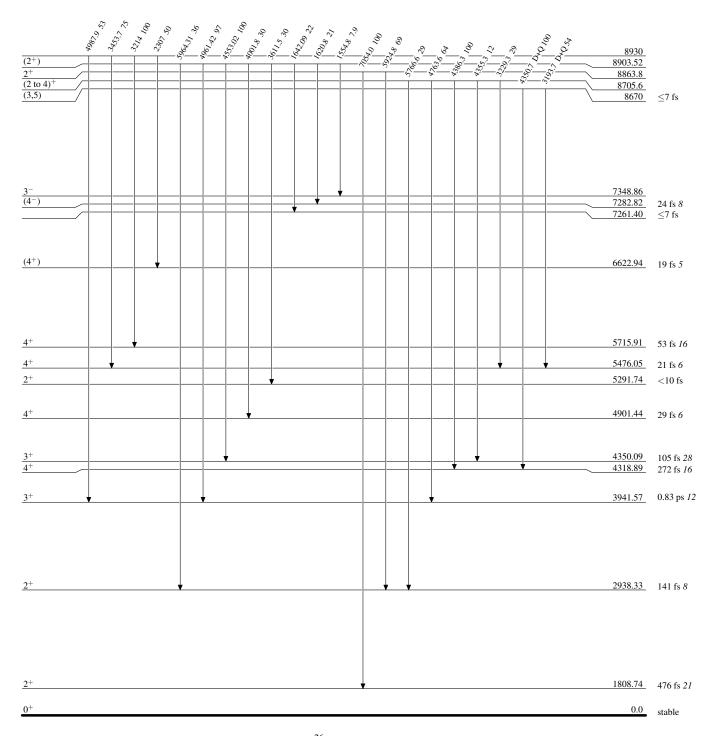
Level Scheme (continued)



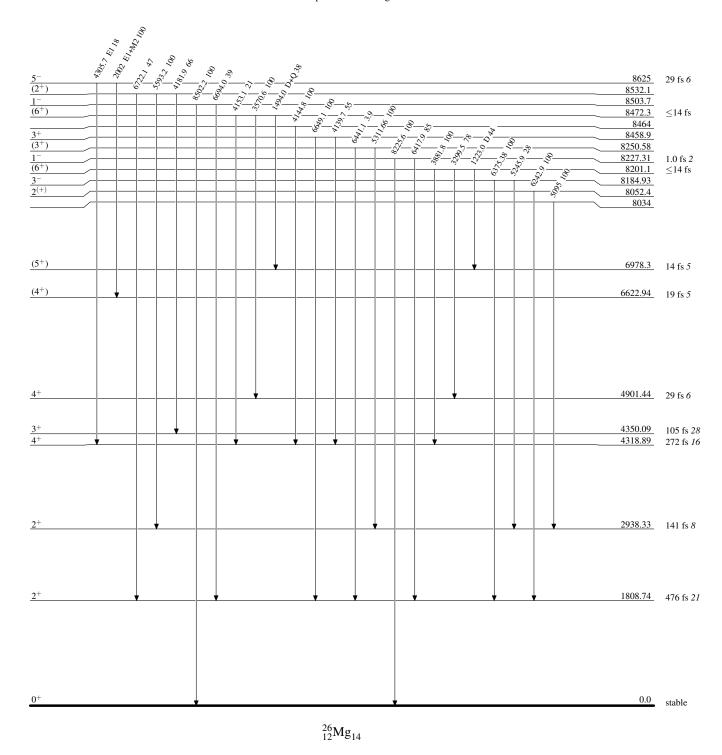
Level Scheme (continued)



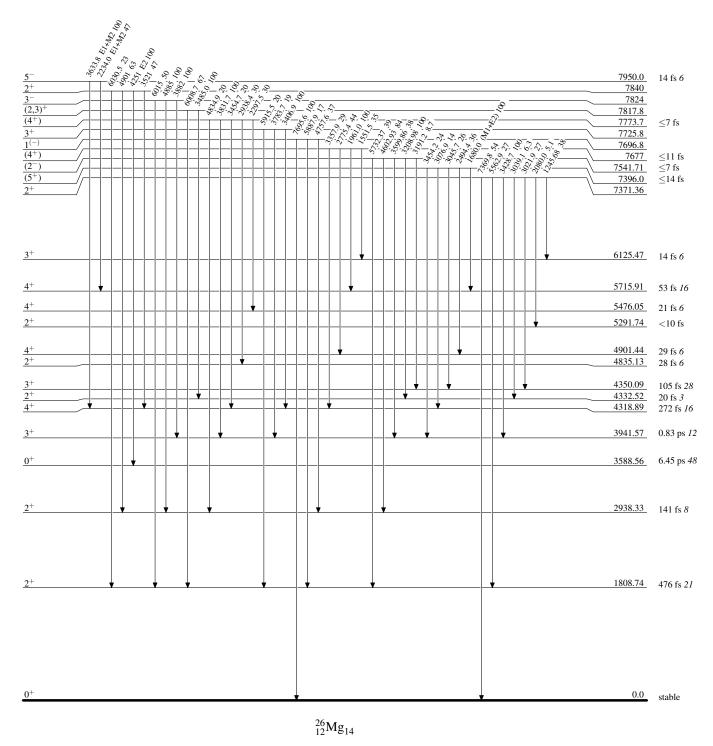
Level Scheme (continued)



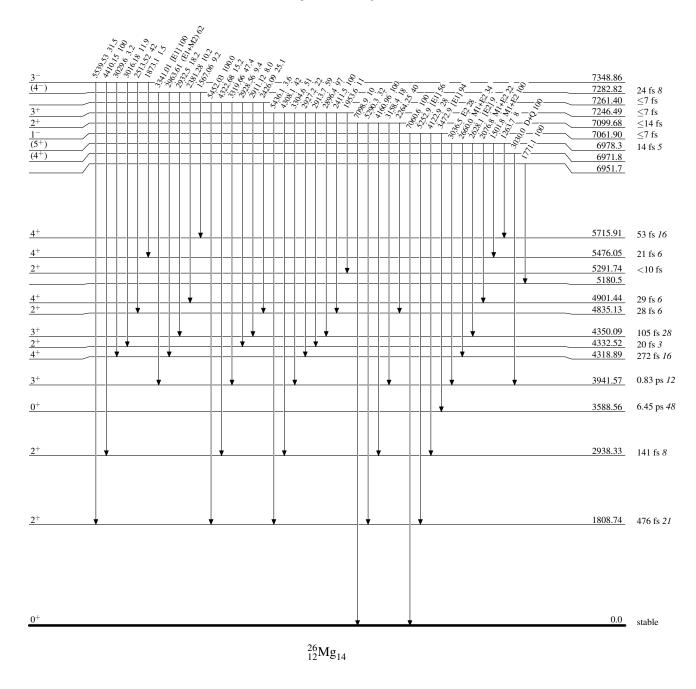
Level Scheme (continued)



Level Scheme (continued)

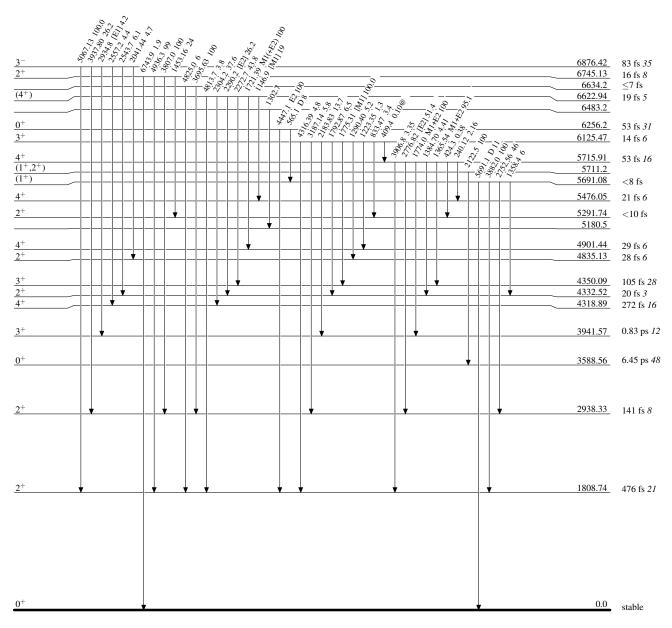


Level Scheme (continued)



Level Scheme (continued)

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



Level Scheme (continued)

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

