Adopted Levels, Gammas 1988Aj01,1984Aj01

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu and J. L. Godwin, et al.	NP A745 155 (2004)	31-Mar-2004

Q(β^-)=−3648.06 *7*; S(n)=8437.1 *10*; S(p)=6586.7 *4*; Q(α)=−4461.1 *4* 2012Wa38
Note: Current evaluation has used the following Q record.
Q(β^-)=−3648.0 *6*; S(n)=8436.3 *10*; S(p)=6585.9 *6*; Q(α)=−4461.0 *4* 2003Au03
See also Tables 10.6, 10.7 and 10.11 In 1988Aj01.

^{10}B Levels

Cross Reference (XREF) Flags

A	^{10}Be β^- decay	N	^{9}Be(p,d),(p,α)	Others:	
B	^{10}C β^+ decay	O	^{9}Be(d,nγ),(d,n)	AA	^{11}B(^{3}He,α)
C	^{6}Li(α,γ)	P	^{9}Be(^{3}He,d)	AB	^{11}B(^{7}Li,^{8}Li)
D	^{6}Li(α,α),(α,α')	Q	^{9}Be(α,t)	AC	^{12}C(π^+,π^+d),(π^-,π^-d)
E	^{6}Li(α,2α)	R	^{9}Be(^{7}Li,^{6}He)	AD	^{12}C(p,^{3}He)
F	^{6}Li(^{6}Li,d)	S	^{9}Be(^{12}C,^{11}B)	AE	^{12}C(d,α)
G	^{7}Li(^{3}He,γ)	T	^{10}B(γ,n)	AF	^{12}C(α,^{6}Li)
H	^{7}Li(^{3}He,n)	U	^{10}B(e,e)	AG	^{12}C(^{14}N,^{16}O)
I	^{7}Li(α,n),(α,nγ)	V	^{10}B(p,p)	AH	^{13}C(p,α)
J	^{7}Li(^{12}C,X)	W	^{10}B(d,d)	AI	^{14}N(d,^{6}Li)
K	^{9}Be(p,γ) res	X	^{10}B(^{3}He,^{3}He)	AJ	Ag(^{14}N,α^{6}Li),(^{14}N,P9BE)
L	^{9}Be(p,n) res	Y	^{11}B(γ,n)		
M	^{9}Be(p,p),(p,pn),(p,pα)	Z	^{11}B(p,d)		

E(level)	J^π	$T_{1/2}$	XREF	Comments
0.0	3$^+$	stable	ABC FG I K OPQRS VWX Z	XREF: Others: AA, AB, AC, AD, AE, AF, AG, AH, AI μ=+1.80064478 *6*; Q=+0.08472 *56*; T=0
718.380 *11*	1$^+$	0.7070 ns *34*	BC FG I K OPQRS UVWX Z	XREF: Others: AA, AB, AC, AD, AE, AF, AG, AH, AI %IT=100 μ=+0.63 *12*; T=0; Γ_γ=6.453×10^{-7} eV *32* E(level): from ^{10}C β decay (1989Ba28). The value 718.35 keV *4* was given In (1984Aj01) with No reference. Other values are given In ^{10}C β-decay, ^{7}Li(α,n) and ^{10}B(p,p). Γ: from ^{10}B(p,p).
1740.05 *4*	0$^+$	4.9 fs *21*	BC I K OPQRS UV X Z	XREF: Others: AA, AB, AC, AD, AH %IT=100 T=1; Γ_γ=0.094 eV *40* E(level): from ^{10}C β-decay. Other less significant values are given In ^{10}C β-decay, ^{7}Li(α,n) and ^{10}B(p,p). Γ: from ^{6}Li(α,γ).
2154.27 *45*	1$^+$	1.48 ps *14*	C F I K OPQRS UVWX Z	XREF: Others: AA, AB, AC, AD, AE, AF, AG, AH, AI %IT=100 T=0; Γ_γ=3.1×10^{-4} eV *2* E(level): from weighted average of values from ^{7}Li(α,n) and ^{10}B(p,p). Γ: from weighted average of values from ^{6}Li(α,γ), ^{7}Li(α,n), ^{9}Be(d,n) and ^{11}B(^{3}He,α). The value 2.7 ps *7* from ^{10}B(p,p) was excluded.
3587.13 *48*	2$^+$	102 fs *7*	C FG K OPQ UVWXYZ	XREF: Others: AA, AD, AE, AF, AG, AH, AI %IT=100

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Adopted Levels, Gammas 1988Aj01,1984Aj01 (continued)

^{10}B Levels (continued)

E(level)	J^{π}	$T_{1/2}$	XREF	Comments
				T=0; Γ_{γ}=4.28×10^{-3} eV *37* E(level): from ^{10}B(p,p). Γ: from weighted average of values from ^{6}Li(α,γ),^{6}Li(^{6}Li,d), ^{9}Be(p,d), ^{9}Be(d,n), ^{10}B(p,p) and ^{11}B(^{3}He,α).
4774.0 *5*	3^{+}	7.8 eV *12*	C FG IJ OPQ VW Z	XREF: Others: AA, AD, AE, AF, AH, AI, AJ %IT=0.23; %α=99.8 T=0; Γ_{γ}=0.018 eV *2* E(level): from ^{10}B(p,p); other values have No significance In a weighted average. Γ: from ^{6}Li(α,γ).
5110.3 *6*	2^{-}	0.978 keV *66*	C JK OPQ V X	XREF: Others: AA, AE %IT=3.3×10^{-3}; %$\alpha\approx$100 T=0; Γ_{γ}=3.28×10^{-2} eV *53* E(level): from ^{10}B(p,p). See other values In ^{9}Be(d,n), ^{11}B(^{3}He,α) and ^{12}C(d,α). Γ: from ^{6}Li(α,γ).
5163.9 *6*	2^{+}	1.79 eV *40*	C K OPQ UV YZ	XREF: Others: AA, AD, AH %IT≈84; %α=16 T=1; Γ_{γ}=1.51 eV *27* E(level): from ^{10}B(p,p). see other values In ^{9}Be(d,n) and ^{11}B(^{3}He,α). Γ: from ^{6}Li(α,γ).
5182 *8*	1^{+}	110 keV *10*	CD JK OPQ VW Z	%IT=5.4×10^{-5}; %$\alpha\approx$100 T=0; Γ_{γ}=0.06 eV *2* E(level): from weighted average of values from ^{6}Li(α,γ), ^{6}Li(α,α) and ^{11}B(^{3}He,α). Γ: from ^{10}B(p,p); also see 200 keV *30* from ^{6}Li(α,γ) and Γ<10 keV from ^{6}Li(α,α).
5919.5 *6*	2^{+}	5.82 keV *6*	CD JK OPQ UVWX	XREF: Others: AA, AD, AE, AF, AH %IT=2.4×10^{-3}; %$\alpha\approx$100 T=0; Γ_{γ}=0.14 eV *2* E(level): from ^{10}B(p,p); see other values In ^{9}Be(d,n) and ^{11}B(^{3}He,α). Γ: from ^{6}Li(α,α). See other value In ^{6}Li(α,γ).
6024.9 *5*	4^{+}	0.052 keV *19*	CD J OPQ UVWX Z	XREF: Others: AA, AE, AF, AH, AI %IT=0.21; %α=99.79 Γ_{γ}=0.11 eV *2* E(level): from weighted average of values from ^{6}Li(α,α), ^{10}B(p,p) and ^{11}B(^{3}He,α). Γ: from weighted average of values from ^{6}Li(α,γ) and ^{6}Li(α,α).
6129.1 *25*	3^{-}	1.52 keV *8*	D J OPQ UVWX	XREF: Others: AA, AE %IT<1.4; %d≈3.1; %α>95.5 $\Gamma_{\gamma}\leq$21 eV E(level): the two significant values, 6132.3 keV *9* from ^{6}Li(α,α) and 6127.2 keV *7* from ^{10}B(p,p), are not In agreement. The evaluator adopts the weighted average, but has enlarged the uncertainty. Γ: from ^{6}Li(α,α)(1981He05). Also see Γ=2.36 keV *3* from ^{6}Li(α,α) reported In (1967Me08).
6560.1 *10*	(4)$^{-}$	25.2 keV *11*	D J OPQ UVWX Z	XREF: Others: AA, AD, AE, AJ %IT≥0; %$\alpha\approx$100

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Adopted Levels, Gammas 1988Aj01,1984Aj01 (continued)

^{10}B Levels (continued)

E(level)	J^π	$T_{1/2}$	XREF	Comments
				E(level): from ^{6}Li(α,α). See other values In ^{9}Be(d,n), ^{10}B(p,p) and ^{11}B(^{3}He,α). Γ: from weighted average of values from ^{6}Li(α,α), ^{10}B(p,p) and ^{11}B(^{3}He,α).
6875 *5*	1^-	120 keV *4*	C JK MNO	%IT=1.24×10^{-3}; %p>0; %d>0; %α>0 Γ_γ=1.49 eV *54*; T=0&1 E(level): from weighted average of values from ^{9}Be(p,γ) and ^{9}Be(d,n). Γ: from weighted average of values from ^{6}Li(α,γ) and ^{9}Be(p,γ).
7004 *5*	3^+	98 keV *6*	D J NO Q VWX	XREF: Others: AA, AE, AI %p>0; %d>0; %α>0 T=(0). E(level): from weighted average of values from ^{6}Li(α,n), ^{9}Be(d,n), ^{10}B(p,p) and ^{11}B(^{3}He,α). Γ: from weighted average of values from ^{6}Li(α,n), ^{10}B(p,p) and ^{11}B(^{3}He,α). J^π: from ^{11}B(^{3}He,2α).
7428 *5*	1^-	94 keV *9*	C K MN Q	%IT=5.1×10^{-3}; %p>0; %d>0; %α>0 T=0&1 Γ_γ=4.76 eV *70* E(level): from weighted average of values from ^{6}Li(α,γ) and ^{9}Be(p,γ). Γ: from weighted average of values from ^{6}Li(α,γ) and ^{9}Be(p,γ). J^π: In (2004Ti06) spin assignments for E_x=7430, 7470 and 7480 are J^π=1^-,2^+,2^-, respectively. In (1988Aj01) the corresponding values are J^π= $2^{(-)}$, 1^+, and 2^+, however, discussion In (1956Mo90, 1956We37, 1959Ma20, 1962El06, 1964Ho02, 1969Mo29, 1973Ro24, 2004Ti06) favors the assignments of (2004Ti06).
7470 *4*	2^+	65 keV *10*	K M O Q Uv x	XREF: Others: AA, AH %p≈100; %IT=1.8×10^{-2} Γ_γ=11.7 eV *7* E(level): from ^{9}Be(p,γ) and ^{9}Be(p,p). Γ: from ^{9}Be(p,p). J^π: In (2004Ti06) spin assignments for E_x=7430, 7470 and 7480 are J^π=1^-,2^+,2^-, respectively. In (1988Aj01) the corresponding values are J^π= $2^{(-)}$, 1^+, and 2^+, however, discussion In (1956Mo90, 1956We37, 1959Ma20, 1962El06, 1964Ho02, 1969Mo29, 1973Ro24, 2004Ti06) favors the assignments of (2004Ti06).
7479 *2*	2^-	74 keV *4*	K M Q v x	XREF: Others: AA, AH %IT=7.2×10^{-3}; %p>0 Γ_γ=5.3 eV *25*; T=1 E(level): Γ: from ^{9}Be(p,γ) and ^{9}Be(p,p). J^π: In (2004Ti06) spin assignments for E_x=7430, 7470 and 7480 are J^π=1^-,2^+,2^-, respectively. In (1988Aj01) the corresponding values are J^π= $2^{(-)}$, 1^+, and 2^+, however, discussion In (1956Mo90, 1956We37, 1959Ma20, 1962El06, 1964Ho02, 1969Mo29, 1973Ro24, 2004Ti06) favors the assignments of (2004Ti06).
7559.9 *4*	0^+	2.65 keV *18*	JK M O Q	XREF: Others: AA

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Adopted Levels, Gammas 1988Aj01,1984Aj01 (continued)

^{10}B Levels (continued)

E(level)	J^π	$T_{1/2}$	XREF	Comments
				%IT=0.23; %p>0 Γ_γ=6.24 eV *63*; T=1 E(level): from ^{9}Be(p,γ). Also see 7562 keV *2* from ^{9}Be(p,p). Γ: from ^{9}Be(p,γ).
7666? *27*	(1$^+$)	247 keV *19*	J MN	%p=30; %d>0; %α>0 T=(0). E(level): from ^{9}Be(p,p). Γ: from weighted average of values from ^{9}Be(p,p) and ^{9}Be(p,d).
7750 *30*	2$^-$	210 keV *60*	K M O Q	XREF: Others: AA %p≈65; %IT≈2.6×10^{-3} Γ_γ=5.6 eV *11* T=(0). E(level): Γ: from ^{9}Be(p,γ).
7811 *17*	1$^-$	260 keV *30*	J	%p≈90; %α>0 E(level): Γ: from ^{9}Be(p,p) also see E_x=7870 keV *10* with Γ=240 keV *50* In ^{11}B(^{3}He,α).
7960 *70*		285 keV *91*	J	%α>0 E(level): Γ: from ^{7}Li(^{12}C,α^6Li).
8070 *50*	2$^+$	0.8 MeV *2*	MNO U	%IT>0; %p≈7; %d>0 E(level): Γ: from ^{9}Be(d,n).
8680?	(1$^+$,2$^+$)	≈220 keV	E N	XREF: Others: AI %p>0; %d>0 E(level): from average of 8656 keV from ^{9}Be(p,p), 8700 keV from ^{9}Be(p,d) and 8680 keV from ^{14}N(d,^{6}Li). Γ: from ^{9}Be(p,d); also see Γ≈300 keV from ^{9}Be(p,p).
8887 *3*	3$^-$	96 keV *4*	J LMN Q	XREF: Others: AD %n>0; %p=85; %α>0 T=1 E(level): Γ: from weighted average of values In ^{9}Be(p,p) and ^{9}Be(p,n) and ^{9}Be(p,d).
8895 *1*	2$^+$	39 keV *1*	JK MN Q U	XREF: Others: AD %IT=1.3×10^{-3}; %p=35; %α>0 T=1; Γ_γ=0.5 eV E(level): Γ: from weighted average of values In ^{9}Be(p,γ) and ^{9}Be(p,p) and ^{9}Be(p,d).
9580? *60*		257 keV *64*	J	%α>0 T=0. E(level): Γ: from ^{7}Li(^{12}C,X).
9700?		≈630 keV	E L N	%n>0; %p>0; %α>0 T=(1). E(level): Γ: from ^{9}Be(p,n).
10825 *9*	(2$^+$,3$^+$,4$^+$)	0.35 MeV *7*	KLMN U	XREF: Others: AA %IT>0; %n>0; %p>0 E(level): from ^{9}Be(p,n). Also see ^{9}Be(p,p) and ^{11}B(^{3}He,α). Γ: from weighted average of values In ^{9}Be(p,p) and ^{11}B(^{3}He,α).
11511 *30*		316 keV *44*	N U Z	XREF: Others: AA %IT>0; %α>0 E(level): from weighted average of values from ^{11}B(p,d) and ^{11}B(^{3}He,α). Also see ^{9}Be(p,n).

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Adopted Levels, Gammas 1988Aj01,1984Aj01 (continued)

^{10}B Levels (continued)

E(level)	J^{π}	$T_{1/2}$	XREF	Comments
12564 *26*	$(0^+,1^+,2^+)$	106 keV *26*	K M U	Γ: from ^{11}B(^{3}He,α). XREF: Others: AA %IT>0; %p>0
13494 *50*	$(0^+,1^+,2^+)$	300 keV *50*	K U	E(level): Γ: from ^{11}B(^{3}He,α). XREF: Others: AA %IT>0; %p>0
14.34×10^3 *1*		0.8 MeV *2*	D K Z	E(level): Γ: from ^{11}B(^{3}He,α). XREF: Others: AA %IT>0; %p>0; %α>0 E(level): from weighted average of values from ^{11}B(p,d) and ^{11}B(^{3}He,α). Γ: from ^{11}B(^{3}He,α).
18.2×10^3?† *2*		1.5 MeV *3*		XREF: Others: AA E(level): Γ: from ^{11}B(^{3}He,α).
18430	2^-	340 keV	G	%IT>0; %^{3}He>0 T=1 E(level): Γ: from ^{7}Li(^{3}He,γ).
18800	$2^+,1^+$	<600 keV	G	%IT>0; %^{3}He>0; %α<13.4 E(level): Γ: from ^{7}Li(^{3}He,γ).
19290	2^-	190 keV *14*	GH	%IT>0; %n>0; %p>0; %^{3}He>0; %α<10.5 T=1 E(level): from ^{7}Li(^{3}He,γ) and ^{7}Li(^{3}He,n). Γ: from weighted average of values from ^{7}Li(^{3}He,γ) and ^{7}Li(^{3}He,n).
20.1×10^3 *1*	1^-	350 keV *20*	GH T	%IT>0; %n>0; %p>0; %^{3}H>0; %^{3}He>0; %α>0 T=1 E(level): from ^{10}B(γ,n). Γ: from weighted average of values from ^{7}Li(^{3}He,γ) and ^{7}Li(^{3}He,n).
21100?			G	%IT>0; %^{3}He>0 E(level): from ^{7}Li(^{3}He,γ).
23.1×10^3 *1*			T	%IT>0; %n>0 Γ: broad. E(level): from ^{10}B(γ,n).

† Decay mode not specified.

$\gamma(^{10}B)$

E_i(level)	J_i^{π}	E_γ†	I_γ	E_f	J_f^{π}	Mult.	δ	Comments
718.380	1^+	718.353 *19*	100‡	0.0	3^+	E2		Γ_γ=6.453×10^{-7} eV *32*; B(E2)(W.u.)=3.240 *16*
1740.05	0^+	1021.7	100‡	718.380	1^+	M1		Γ_γ=0.094 eV *40*; B(M1)(W.u.)=4.2 *18*
		1740.0	<0.2‡	0.0	3^+			
2154.27	1^+	414.1	51.6‡ *16*	1740.05	0^+	M1		Γ_γ=1.59×10^{-4} eV *16*; B(M1)(W.u.)=0.107 *11*
		1435.8	27.3‡ *9*	718.380	1^+	M1+E2	−3.75 *55*	Γ_γ=8.5×10^{-5} eV *8*; B(M1)(W.u.)=9.1×10^{-5} *27*; B(E2)(W.u.)=12.2 *13*
		2154.1	21.1‡ *16*	0.0	3^+	E2		Γ_γ=6.52×10^{-5} eV *79*; B(E2)(W.u.)=1.33 *16*

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Adopted Levels, Gammas 1988Aj01,1984Aj01 (continued)

$\gamma(^{10}B)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ	E_f	J_f^π	Mult.	δ	Comments
3587.13	2^+	1432.7	14[‡] *2*	2154.27	1^+	M1+E2	−0.38 *9*	$\Gamma_\gamma=6.1\times10^{-4}$ eV *10*; B(M1)(W.u.)=8.5×10^{-3} *15*; B(E2)↓=11.9 *54*
		1846.7	<0.3[‡]	1740.05	0^+			
		2868.3	67[‡] *3*	718.380	1^+	M1+E2	9.09 *8*	$\Gamma_\gamma=2.85\times10^{-3}$ eV *27*; B(E2)(W.u.)=13.9 *14*; B(M1)↓<5×10^{-4}
		3586.4	19[‡] *3*	0.0	3^+	M1+E2	1.5 *6*	$\Gamma_\gamma=8.2\times10^{-4}$ eV *23*; B(M1)(W.u.)=2.6×10^{-4} *15*; B(E2)(W.u.)=0.90 *28*
4774.0	3^+	4054.8	99.5[‡] *1*	718.380	1^+	E2		$\Gamma_\gamma=1.79\times10^{-2}$ eV *15*; B(E2)(W.u.)=15.4 *13*
		4772.8	0.5[‡] *1*	0.0	3^+	M1+E2		$\Gamma_\gamma=0.9\times10^{-4}$ eV *2*; B(M1)(W.u.)<4.8×10^{-5}; B(E2)(W.u.)<4.2×10^{-2}
5110.3	2^-	3369.6	5[‡] *5*	1740.05	0^+	M2		$\Gamma_\gamma=1.8\times10^{-3}$ eV *18*; B(M2)(W.u.)<120
		4390.9	31[‡] *7*	718.380	1^+	E1		$\Gamma_\gamma=1.0\times10^{-2}$ eV *3*; B(E1)(W.u.)=3.7×10^{-4} *11*
		5108.9	64[‡] *7*	0.0	3^+	E1		$\Gamma_\gamma=2.1\times10^{-2}$ eV *4*; B(E1)(W.u.)=5.0×10^{-4} *10*
5163.9	2^+	1576.7	7.8[‡] *3*	3587.13	2^+	M1		$\Gamma_\gamma=0.12$ eV *3*; B(M1)(W.u.)=1.41 *38* δ: 0.00 *2* (1979Ke08).
		3009.1	65.3[‡] *9*	2154.27	1^+	M1		$\Gamma_\gamma=0.98$ eV *26*; B(M1)(W.u.)=1.71 *46* δ: 0.02 *3* (1979Ke08).
		3423.1	<0.5[‡]	1740.05	0^+	E2		$\Gamma_\gamma=7.5\times10^{-3}$ eV; B(E2)(W.u.)<15
		4444.4	22.6[‡] *6*	718.380	1^+	M1		$\Gamma_\gamma=0.34$ eV *9*; B(M1)(W.u.)=0.18 *5* δ: 0.03 *3* (1979Ke08).
		5162.5	4.4[‡] *4*	0.0	3^+	M1+E2	0.12 *5*	$\Gamma_\gamma=0.067$ eV *18*; B(M1)(W.u.)=2.3×10^{-2} *6*; B(E2)(W.u.)<0.7 δ: 0.12 *5* (1979Ke08).
5182	1^+	3439.2	≈100[‡]	1740.05	0^+	M1		$\Gamma_\gamma=6\times10^{-2}$ eV *3*; B(M1)(W.u.)=7.0×10^{-2} *35*
5919.5	2^+	5199.7	18[‡] *5*	718.380	1^+	M1		$\Gamma_\gamma=0.025$ eV *7*; B(M1)(W.u.)=8.6×10^{-3} *24*
		5917.6	82[‡] *5*	0.0	3^+	M1		$\Gamma_\gamma=0.112$ eV *22*; B(M1)(W.u.)=2.6×10^{-2} *5*
6024.9	4^+	6023.1	≈100[‡]	0.0	3^+	M1+E2	−3.16 *12*	$\Gamma_\gamma=0.114$ eV *15*; B(M1)(W.u.)=2.3×10^{-2} *4*; B(E2)(W.u.)=12.4 *18* I_γ: other γ-ray branches<3%.
6875	1^-	953.5	3.5[‡] *10*	5919.5	2^+	E1		$\Gamma_\gamma=0.054$ eV *21*; B(E1)(W.u.)=0.20 *8*
		1708.9	3[‡] *1*	5163.9	2^+	E1		$\Gamma_\gamma=0.046$ eV *19*; B(E1)(W.u.)=2.9×10^{-2} *12*
		1762.5	4[‡] *1*	5110.3	2^-	M1		$\Gamma_\gamma=0.062$ eV *22*; B(M1)(W.u.)=0.054 *19*
		4717.5	13[‡] *1*	2154.27	1^+	E1		$\Gamma_\gamma=0.20$ eV *5*; B(E1)(W.u.)=6.0×10^{-3} *15*
		5131.4	53[‡] *2*	1740.05	0^+	E1		$\Gamma_\gamma=0.82$ eV *20*; B(E1)(W.u.)=1.9×10^{-2} *5*
		6152.6	20[‡] *2*	718.380	1^+	E1		$\Gamma_\gamma=0.31$ eV; B(E1)(W.u.)=4.2×10^{-3} *11*
		6872	<4.6[‡]	0.0	3^+	M2		$\Gamma_\gamma<0.09$ eV; B(M2)(W.u.)>84
7428	1^-	2317	32[‡]	5110.3	2^-	M1		$\Gamma_\gamma=1.52$ eV *38*; B(M1)(W.u.)=5.8 *15*
		5272	22[‡]	2154.27	1^+	E1		$\Gamma_\gamma=1.03$ eV *30*; B(E1)(W.u.)=2.2×10^{-2} *7*
		5686	<5[‡]	1740.05	0^+	E1		$\Gamma_\gamma<0.23$ eV; B(E1)(W.u.)<4.0×10^{-3}
		6707	46[‡]	718.380	1^+	E1		$\Gamma_\gamma=2.21$ eV *50*; B(E1)(W.u.)=2.3×10^{-2} *5*
7559.9	0^+	2380	14[‡] *2*	5182	1^+	M1		$\Gamma_\gamma=0.87$ eV *15*; B(M1)(W.u.)=3.1 *6*
		5404.0	9[‡] *2*	2154.27	1^+	M1		$\Gamma_\gamma=0.32$ eV *11*; B(M1)(W.u.)=0.10 *3*
		6839.1	77[‡] *5*	718.380	1^+	M1		$\Gamma_\gamma=4.8$ eV *6*; B(M1)(W.u.)=0.72 *9*
7750	2^-	2639	4.8[‡]	5110.3	2^-	M1		$\Gamma_\gamma=0.27$ eV *14*; B(M1)(W.u.)=0.70 *35*
		4162	3.4[‡]	3587.13	2^+	E1		$\Gamma_\gamma=0.19$ eV *11*; B(E1)(W.u.)=8.3×10^{-3} *48*
		5594	3.7[‡]	2154.27	1^+	E1		$\Gamma_\gamma=0.21$ eV *11*; B(E1)(W.u.)=3.8 *20*
		7028	11[‡]	718.380	1^+	E1		$\Gamma_\gamma=0.64$ eV *29*; B(E1)(W.u.)=5.8×10^{-3} *26*

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas 1988Aj01,1984Aj01 (continued)

$\gamma(^{10}B)$ (continued)

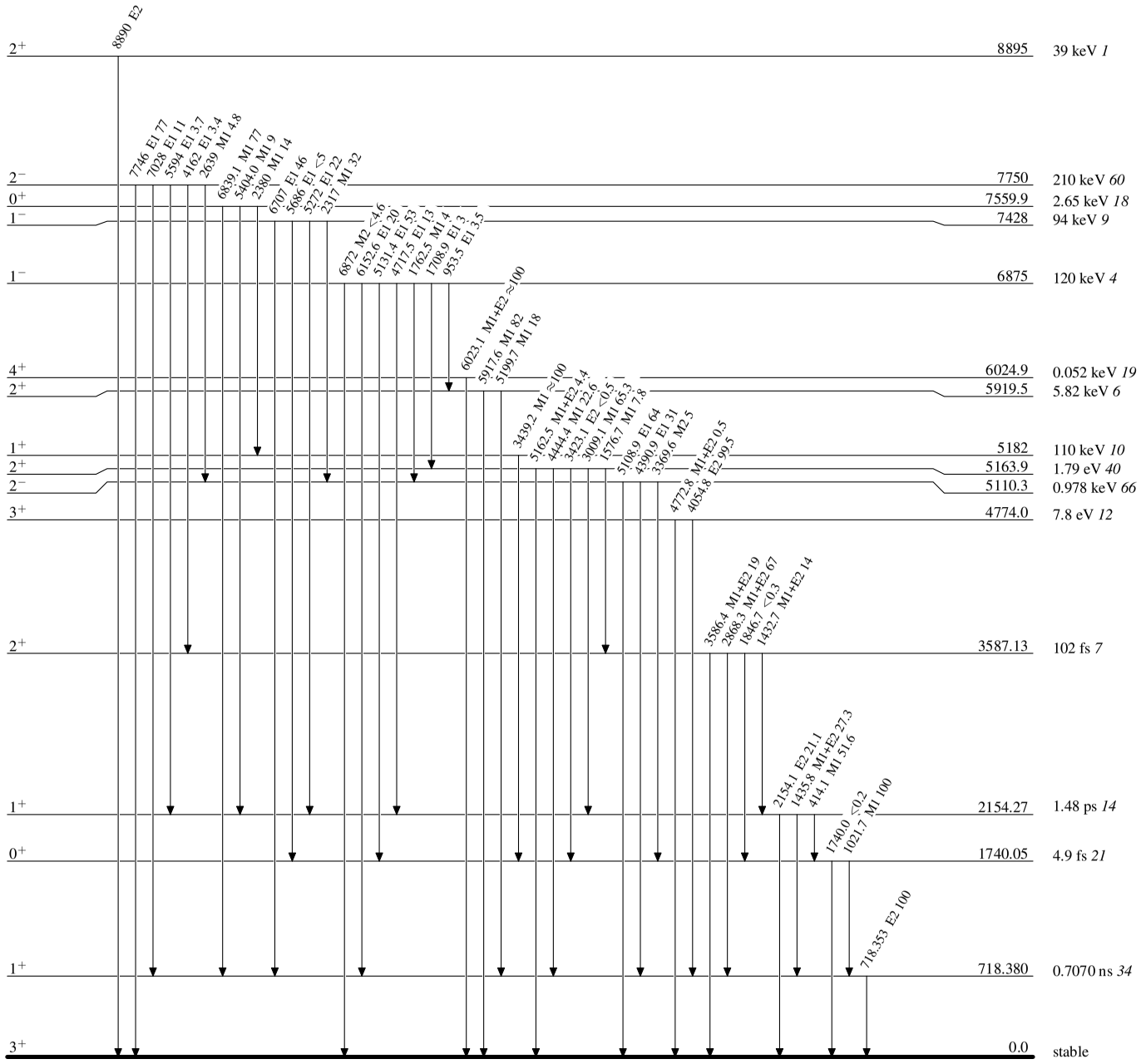
E_i(level)	J_i^π	E_γ[†]	I_γ	E_f	J_f^π	Mult.	Comments
7750	2^-	7746	77[‡]	0.0	3^+	E1	Γ_γ=4.3 eV *11*; B(E1)(W.u.)=2.9×10^{-2} *8*
8895	2^+	8890		0.0	3^+	E2	Γ_γ=0.5 eV *2*; B(E2)(W.u.)=8.5 *34*

[†] From level energy difference; recoil correction applied.
[‡] % branching ratios from Table 10.19 and 10.20 of (2004Ti06).

Adopted Levels, Gammas 1988Aj01,1984Aj01

Level Scheme

Intensities: % photon branching from each level



$^{10}_{5}B_{5}$