

$^{186}\text{W}(^7\text{Li},5\text{n}\gamma)$ 2008Ju02,2004Ba91

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev, S. Juutinen, D. J. Hartley		NDS 150, 1 (2018)	1-Feb-2018

2008Ju02: E=59 MeV beam provided by the accelerator at Legnaro. Measured $E\gamma$, $I\gamma$, $\gamma\gamma$ coin, $\gamma\gamma(\theta)$ (DCO) using GASP array of 40 Ge detectors with Compton suppression and an array of 80 BGO detectors as a multiplicity filter.

2004Ba91: E=52 MeV. Measured $E\gamma$, $I\gamma$, $\gamma\gamma$, $\gamma\gamma(\theta)$ (DCO), $\gamma\gamma$ (lin pol) with the YRAST Ball array, consisting of five clover detectors, 17 single-crystal Ge detectors, and four low-energy photon spectrometers (LEPS) detectors. Linear polarization measurements were made using the five clover detectors as Compton polarimeters.

 ^{188}Ir Levels

E(level) ^a	J ^b	T _{1/2}	Comments
0	1 ^{-#}		
54.82 4	2 ^{-#}		
96.73 4	2 ^{-#}		
151.93 13	3 ^{-#}		
211.19 8	(3) ^{-#}		
354.11 12	(4) ^{+#}		
492.01 [@] 16	(6) ⁺		
641.97 ^a 17	(8 ⁺)		
675.0 3	(8 ⁻) [#]		
708.17 20	(8 ⁻) [#]		
764.51 [@] 19	(8 ⁺)		
801.67 20			
814.75 ^{&} 17	(9 ⁺)		
923.57 23	(7 to 10) ^{-#}		
923.57+x ^b	(9 ⁻)	4.15 ms 15	Additional information 1 . E(level),T _{1/2} : from the Adopted Levels. The excitation energy of the isomer in 2008Ju02 is given as >642 keV.
1042.15 ^a 18	(10 ⁺)		
1143.01 [@] 21	(10 ⁺)		
1221.84+x ^c 8	(10 ⁻)		
1238.16 ^{&} 19	(11 ⁺)		
1252.57 23			
1398.00+x ^b 8	(11 ⁻)		
1419.27 23			
1540.63 ^a 20	(12 ⁺)		
1626.81 [@] 23	(12 ⁺)		
1663.60+x 12			
1709.99+x ^c 10	(12 ⁻)		
1717.3 3			
1753.76 ^{&} 21	(13 ⁺)		
1921.18+x ^b 10	(13 ⁻)		
2010.57 25			
2070.45+x 18			
2121.14 ^a 23	(14 ⁺)		
2133.32+x 14			
2166.55+x 12	(13 ⁻)		
2199.56+x 17			

Continued on next page (footnotes at end of table)

$^{186}\text{W}({}^7\text{Li},5\text{n}\gamma)$ **2008Ju02,2004Ba91 (continued)** ^{188}Ir Levels (continued)

E(level) [†]	J ^π [‡]	T _{1/2}	Comments
2218.1@ 3	(14 ⁺)		
2288.14+x ^c 11	(14 ⁻)		
2352.66& 24	(15 ⁺)		
2441.71+x 13	(14 ⁻)		
2455.21+x 11	(14 ⁻)		
2554.28+x ^b 12	(15 ⁻)		
2642.71+x 15	(16 ⁻)	12.27 ns 14	T _{1/2} : from $\gamma\gamma(t)$ (2008Ju02).
2677.59+x 13	(15 ⁻)		
2723.98+x 14	(14 ⁻)		
2744.84+x 15			
2761.1 ^a 11	(16 ⁺)		
2892.97+x 14	(16 ⁻)		
2894.7@ 3	(16 ⁺)		
2946.73+x 16			
2987.16+x ^c 18	(16 ⁻)		
3001.38+x 25			
3027.3& 3	(17 ⁺)		
3068.59+x 24	(16 ⁻)		
3155.74+x 25			
3223.27+x 14	(17 ⁻)		
3305.21+x 20			
3353.1+x 4			
3449.00+x 18			
3495.6+x 3			
3521.01+x 17			
3521.96+x 17			
3627.0@ 11	(18 ⁺)		
3680.0& 4	(19 ⁺)		
3693.85+x 15			
3748.7+x ^c 3			
3828.36+x 18			
3907.4+x 3			
4046.9+x 4			
4091.50+x 19			
4098.42+x 17			
4227.42+x 20			
4352.60+x 18			
4459.5+x 3			
4690.8+x 3			
4705.63+x 19			
4824.8+x 3			
4839.4+x 3			
4863.92+x 22			
5047.0+x 3			
5065.28+x 22			
5222.3+x 4			
5262.3+x 3			
5354.1+x 3			
5363.63+x 22			
5479.4+x 11			
5516.3+x 3			
5562.6+x 3			
5669.8+x 11			
5877.6+x 3			

Continued on next page (footnotes at end of table)

$^{186}\text{W}(^7\text{Li},5n\gamma)$ **2008Ju02,2004Ba91 (continued)** ^{188}Ir Levels (continued)E(level)[†]

5998.6+x 4
6002.5+x 4
6062.9+x 4
6127.9+x 3
6299.3+x 11

[†] From a least-squares fit to E γ 's.[‡] From deduced transition multipolarities and the apparent band structures.

From Adopted Levels.

@ Band(A): Band based on (6 $^+$).& Band(B): Band based on (9 $^+$).^a Band(C): Band based on (8 $^+$).^b Band(D): Band based on (9 $^-$), $\alpha=1$.^c Band(d): Band based on (10 $^-$), $\alpha=0$. $\gamma(^{188}\text{Ir})$

<u>E_γ[†]</u>	<u>I_γ[#]</u>	<u>E_i(level)</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>	<u>Mult.</u> ^{&}	Comments
33.0 [‡] 2		675.0	(8 $^-$)	641.97	(8 $^+$)	(E1)	Mult.: From Adopted Gammas.
41.98 [‡] 5		96.73	2 $^-$	54.82	2 $^-$		
54.85 [‡] 5		54.82	2 $^-$	0	1 $^-$		
66.2 [‡] 1		708.17	(8 $^-$)	641.97	(8 $^+$)	(E1)	Mult.: From Adopted Gammas.
88.3 1	6.9 4	2642.71+x	(16 $^-$)	2554.28+x	(15 $^-$)	(M1+E2)	Mult.: DCO=1.4 3 (2008Ju02).
96.70 [‡] 5		96.73	2 $^-$	0	1 $^-$		
97.2 [‡] 2		151.93	3 $^-$	54.82	2 $^-$		
114.6 [‡] 1		211.19	(3) $^-$	96.73	2 $^-$		
134.9 2	2.4 1	3828.36+x		3693.85+x			DCO=0.99 22 (2008Ju02).
137.9 [‡] 1		492.01	(6) $^+$	354.11	(4) $^+$		
142.9 [‡] 1		354.11	(4) $^+$	211.19	(3) $^-$		
150.2 1	100 @ 35	641.97	(8 $^+$)	492.01	(6) $^+$		
156.2 [‡] 1		211.19	(3) $^-$	54.82	2 $^-$		
159.7 1	20.0 @ 22	801.67		641.97	(8 $^+$)		
172.8 1	34 @ 3	814.75	(9 $^+$)	641.97	(8 $^+$)		
176.2 1	24.3 6	1398.00+x	(11 $^-$)	1221.84+x	(10 $^-$)	M1+E2	Mult.: DCO(Q)=0.63 7 and DCO(D)=0.76 7 (2004Ba91).
196.2 1	9.6 @ 12	1238.16	(11 $^+$)	1042.15	(10 $^+$)		
202.2 [‡] 1		354.11	(4) $^+$	151.93	3 $^-$		
211.2 1	16.1 4	1921.18+x	(13 $^-$)	1709.99+x	(12 $^-$)	M1+E2	Mult.: DCO=0.74 6 (2008Ju02). Others: DCO(Q)=0.76 9 and DCO(D)=0.88 10 (2004Ba91).
215.4 [‡] 1	28 2	923.57	(7 to 10) $^-$	708.17	(8 $^-$)	M1,E2	Mult.: From Adopted Gammas.
222.5 1	9.4 6	2677.59+x	(15 $^-$)	2455.21+x	(14 $^-$)	(M1+E2)	Mult.: DCO=0.97 6 (2008Ju02). Others: DCO(Q)=0.75 11 and DCO(D)=1.46 24 (2004Ba91).
227.4 1	16.9 @ 16	1042.15	(10 $^+$)	814.75	(9 $^+$)		
235.8 2	3.9 1	2677.59+x	(15 $^-$)	2441.71+x	(14 $^-$)	(M1+E2)	Mult.: DCO=0.58 13 (2008Ju02). Others:

Continued on next page (footnotes at end of table)

$^{186}\text{W}(^7\text{Li},5n\gamma)$ **2008Ju02,2004Ba91 (continued)** $\gamma(^{188}\text{Ir})$ (continued)

E_γ^\dagger	$I_\gamma^\#$	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult. ^{&}	Comments
241.9 2	2.9 2	2441.71+x	(14 ⁻)	2199.56+x		(M1+E2)	DCO(Q)=0.42 13 and DCO(D)=0.74 19 (2004Ba91).
255.0 2	0.7 1	4352.60+x		4098.42+x			Mult.: DCO(Q)=0.43 15 (2004Ba91).
266.2 1	9.7 4	2554.28+x	(15 ⁻)	2288.14+x (14 ⁻)		M1+E2	Mult.: DCO(Q)=0.61 14 (2004Ba91).
272.5 1	25.6 [@] 24	764.51	(8 ⁺)	492.01 (6) ⁺			Mult.: DCO(Q)=0.51 13 (2008Ju02).
275.2 2	2.1 1	2441.71+x	(14 ⁻)	2166.55+x (13 ⁻)		(M1+E2)	DCO(Q)=1.06 20 (2004Ba91).
277.4 2	3.0 1	3001.38+x		2723.98+x (14 ⁻)			E _y : Poor fit, level energy difference=289.65.
289.3 2	1.2 1	2455.21+x	(14 ⁻)	2166.55+x (13 ⁻)			Mult.: DCO=0.89 2 (2008Ju02). Others: DCO(Q)=0.66 3 and DCO(D)=1.18 8 (2004Ba91).
298.3 ^b 1	20.8 ^b 12	1221.84+x	(10 ⁻)	923.57+x (9 ⁻)		M1+E2	
298.3 ^b 1	<i>b</i>	5363.63+x		5065.28+x			
302.4 2	4.6 [@] 11	1540.63	(12 ⁺)	1238.16 (11 ⁺)			DCO=0.70 2 (2008Ju02).
304.2 1	60.5 12	2946.73+x		2642.71+x (16 ⁻)			DCO=0.73 3 (2008Ju02).
306.2 1	9.0 3	3828.36+x		3521.96+x			Mult.: DCO=0.86 7 (2008Ju02). Others: DCO(Q)=0.76 4 and DCO(D)=0.95 7 (2004Ba91).
312.0 1	40.3 10	1709.99+x	(12 ⁻)	1398.00+x (11 ⁻)		M1+E2	
322.2 2	1.7 1	2455.21+x	(14 ⁻)	2133.32+x			
322.5 1	9.8 [@] 13	814.75	(9 ⁺)	492.01 (6) ⁺			DCO=0.81 1 (2008Ju02).
330.3 1	8.2 3	3223.27+x	(17 ⁻)	2892.97+x (16 ⁻)			Mult.: DCO=0.70 3 (2008Ju02).
338.8 1	9.4 3	2892.97+x	(16 ⁻)	2554.28+x (15 ⁻)		M1+E2	
351.7 2	1.5 1	3353.1+x		3001.38+x			DCO=1.02 9 (2008Ju02).
353.0 1	6.3 3	4705.63+x		4352.60+x			Mult.: DCO=0.81 4 (2008Ju02). Others: DCO(Q)=0.59 7 and DCO(D)=1.03 18 (2004Ba91).
359.7 2	4.9 2	5065.28+x		4705.63+x			
367.1 1	16.8 4	2288.14+x	(14 ⁻)	1921.18+x (13 ⁻)		M1+E2	
378.5 1	10.7 [@] 12	1143.01	(10 ⁺)	764.51 (8 ⁺)			DCO=0.89 8 (2008Ju02).
379.5 2	1.4 4	3828.36+x		3449.00+x			
384.6 2	1.4 1	2455.21+x	(14 ⁻)	2070.45+x			
389.1 ^a 2	2.1 ^a 1	2677.59+x	(15 ⁻)	2288.14+x (14 ⁻)			
389.1 ^a 2	2.1 ^a 1	3693.85+x		3305.21+x			
391.0 2	3.4 2	3068.59+x	(16 ⁻)	2677.59+x (15 ⁻)			
399.0 1	13.3 4	4227.42+x		3828.36+x			
400.4 1	17.6 [@] 17	1042.15	(10 ⁺)	641.97 (8 ⁺)			
406.7 2	3.5 1	2070.45+x		1663.60+x			
410.9 2	1.9 1	3155.74+x		2744.84+x			
412.7 2	2.4 1	3305.21+x		2892.97+x (16 ⁻)			
423.2 1	26.1 [@] 20	1238.16	(11 ⁺)	814.75 (9 ⁺)			
427.0 1	7.3 3	3495.6+x		3068.59+x (16 ⁻)			
432.8 2	4.6 2	2987.16+x	(16 ⁻)	2554.28+x (15 ⁻)			
441.8 1	10.0 4	1663.60+x		1221.84+x (10 ⁻)			
450.9 1	12.3 [@] 23	1252.57		801.67			Mult.: DCO=0.92 7 (2008Ju02). Others: DCO(Q)=0.92 12 and DCO(D)=1.58 19 (2004Ba91).
456.7 ^a 1	10.6 ^a 4	2166.55+x	(13 ⁻)	1709.99+x (12 ⁻)		M1+E2	DCO=0.92 7 (2008Ju02).
456.7 ^a 1	10.6 ^a 4	2744.84+x		2288.14+x (14 ⁻)			DCO=0.92 7 (2008Ju02).
458.4 2	2.4 2	3907.4+x		3449.00+x			
464.7 2	4.4 [@] 9	1717.3		1252.57			
469.8 1	6.4 2	2133.32+x		1663.60+x			
470.6 1	5.1 2	3693.85+x		3223.27+x (17 ⁻)			DCO=0.99 9 (2008Ju02).

Continued on next page (footnotes at end of table)

$^{186}\text{W}({}^7\text{Li},5n\gamma)$ **2008Ju02,2004Ba91 (continued)** $\gamma(^{188}\text{Ir})$ (continued)

E_γ^\dagger	$I_\gamma^\#$	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult. ^{&}	Comments
474.4 <i>I</i>	138 9	1398.00+x	(11 ⁻)	923.57+x	(9 ⁻)	E2	Mult.: DCO=1.02 3 (2008Ju02). Others: DCO(Q)=0.95 4 (2004Ba91).
483.8 <i>I</i>	13.7 [@] 16	1626.81	(12 ⁺)	1143.01	(10 ⁺)		Mult.: DCO=1.30 18 (2008Ju02). Others: DCO(Q)=1.34 22 and DCO(D)=1.20 9 (2004Ba91).
488.1 <i>I</i>	19.7 6	1709.99+x	(12 ⁻)	1221.84+x	(10 ⁻)	(E2)	
497.3 2	0.7 <i>I</i>	5562.6+x		5065.28+x			
498.5 <i>I</i>	12 [@] 3	1540.63	(12 ⁺)	1042.15	(10 ⁺)		DCO=1.14 24 (2008Ju02).
502.3 <i>I</i>	7.7 4	3449.00+x		2946.73+x			E_γ : 512.3 keV in 2004Ba91 .
511 ^c		2677.59+x	(15 ⁻)	2166.55+x	(13 ⁻)		
515.6 <i>I</i>	18 [@] 3	1753.76	(13 ⁺)	1238.16	(11 ⁺)		
521.0 2	1.1 3	2441.71+x	(14 ⁻)	1921.18+x	(13 ⁻)		
523.2 <i>I</i>	100.0 19	1921.18+x	(13 ⁻)	1398.00+x	(11 ⁻)	E2	Mult.: DCO=0.98 3 (2008Ju02). Others: DCO(Q)=0.97 4 and DCO(D)=1.39 8.
531.5 2	4.1 4	5222.3+x		4690.8+x			
533.9 <i>I</i>	9.8 3	2455.21+x	(14 ⁻)	1921.18+x	(13 ⁻)		DCO=1.09 12 (2008Ju02).
545.7 <i>I</i>	5.2 2	3223.27+x	(17 ⁻)	2677.59+x	(15 ⁻)		DCO=0.81 9 (2008Ju02).
551.4 ^c 2	1.1 3	4046.9+x		3495.6+x			
552.1 <i>I</i>	5.2 2	4459.5+x		3907.4+x			
569.5 <i>I</i>	11.3 3	4091.50+x		3521.96+x			DCO=1.00 9 (2008Ju02).
575.4 <i>I</i>	40.8 9	3521.96+x		2946.73+x			DCO=0.99 5 (2008Ju02).
577.1 ^a <i>I</i>	7.0 ^a 4	4098.42+x		3521.96+x			
577.1 ^a <i>I</i>	7.0 ^a 4	4098.42+x		3521.01+x			
578.0 <i>I</i>	15.2 4	2288.14+x	(14 ⁻)	1709.99+x	(12 ⁻)		DCO(Q)=0.6 3 and DCO(D)=1.2 6 (2004Ba91).
580.5 <i>I</i>	6.2 [@] 21	2121.14	(14 ⁺)	1540.63	(12 ⁺)		
591.3 <i>I</i>	19.1 [@] 23	2010.57		1419.27			
591.3 <i>I</i>	19.1 [@] 23	2218.1	(14 ⁺)	1626.81	(12 ⁺)		
591.5 ^c 2	3.7 2	3748.7+x		3155.74+x			
598.9 <i>I</i>	12.3 [@] 17	2352.66	(15 ⁺)	1753.76	(13 ⁺)		DCO=1.04 15 (2008Ju02).
599.3 2	3.0 5	4690.8+x		4091.50+x			
607.7 2	0.5 <i>I</i>	4705.63+x		4098.42+x			
614.0 2	3.1 4	4705.63+x		4091.50+x			
617.6 <i>I</i>	26 [@] 3	1419.27		801.67			
627 ^c		3068.59+x	(16 ⁻)	2441.71+x	(14 ⁻)		
633.0 <i>I</i>	87.9 18	2554.28+x	(15 ⁻)	1921.18+x	(13 ⁻)	E2	Mult.: DCO=1.01 7 (2008Ju02). Others: DCO(Q)=1.06 6 and DCO(D)=1.38 9 (2004Ba91).
636.5 <i>I</i>	6.9 4	4863.92+x		4227.42+x			
640		5479.4+x		4839.4+x			
640		2761.1	(16 ⁺)	2121.14	(14 ⁺)		
648.5 2	2.9 3	5354.1+x		4705.63+x			
652.4 2	1.1 2	5516.3+x		4863.92+x			
652.7 2	4.4 8	3680.0	(19 ⁺)	3027.3	(17 ⁺)		
658.2 2	0.5 <i>I</i>	5363.63+x		4705.63+x			
674.6 2	4.4 7	3027.3	(17 ⁺)	2352.66	(15 ⁺)		
676.6 <i>I</i>	8.2 9	2894.7	(16 ⁺)	2218.1	(14 ⁺)		
699.1 2	4.2 2	2987.16+x	(16 ⁻)	2288.14+x	(14 ⁻)		
708.8 2	1.3 3	6062.9+x		5354.1+x			
726.4 2	0.6 <i>I</i>	4824.8+x		4098.42+x			
731.4 2	1.5 3	2441.71+x	(14 ⁻)	1709.99+x	(12 ⁻)		
732.3		3627.0	(18 ⁺)	2894.7	(16 ⁺)		
736.3 2	0.7 <i>I</i>	5998.6+x		5262.3+x			
741.0 2	1.2 <i>I</i>	4839.4+x		4098.42+x			
745.4 2	1.2 <i>I</i>	2455.21+x	(14 ⁻)	1709.99+x	(12 ⁻)		
747.0 2	3.8 3	3693.85+x		2946.73+x			DCO=1.05 2 (2008Ju02).

Continued on next page (footnotes at end of table)

$^{186}\text{W}(^7\text{Li},5n\gamma)$ **2008Ju02,2004Ba91 (continued)** $\gamma(^{188}\text{Ir})$ (continued)

E_γ^\dagger	$I_\gamma^\#$	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult. ^{&}	Comments
761.5 2	2.4 1	3748.7+x		2987.16+x	(16 $^-$)		
764.3 2	1.6 2	6127.9+x		5363.63+x			
768.7 2	1.6 2	2166.55+x	(13 $^-$)	1398.00+x	(11 $^-$)	[E2]	
783		6299.3+x		5516.3+x			
801.3 2	3.7 2	2199.56+x		1398.00+x	(11 $^-$)	(M1+E2)	Mult.: DCO(Q)=0.6 3 and DCO(D)=0.35 10 (2004Ba91).
802.8 1	5.8 3	2723.98+x	(14 $^-$)	1921.18+x	(13 $^-$)	M1+E2	Mult.: DCO(Q)=0.30 17 and DCO(D)=0.68 28 (2004Ba91).
830.4 1	6.6 4	4352.60+x		3521.96+x			DCO=0.66 7 (2008Ju02).
831.6 2	0.3 1	4352.60+x		3521.01+x			
837.6 2	2.6 3	5065.28+x		4227.42+x			
878.0 1	10.4 3	3521.01+x		2642.71+x	(16 $^-$)		DCO=0.94 12 (2008Ju02).
955.5 ^a 2	1.2 ^a 1	5047.0+x		4091.50+x			DCO=1.01 16 (2008Ju02).
955.5 ^a 2	1.2 ^a 1	6002.5+x		5047.0+x			DCO=1.01 16 (2008Ju02).
979		5669.8+x		4690.8+x			
1013.7 2	1.6 2	5877.6+x		4863.92+x			
1034.9 2	0.9 1	5262.3+x		4227.42+x			DCO=0.89 25 (2008Ju02).

[†] From 2008Ju02, unless otherwise noted. $\Delta E\gamma$ is assigned from a general statement in 2008Ju02 that it is 0.1 keV for $I\gamma \geq 5.0$ and 0.2 keV for weaker lines.

[‡] From adopted gammas.

[#] From 2008Ju02, normalized to $I\gamma(523.28\gamma)=100$, unless otherwise stated.

[@] From 2008Ju02, normalized to $I\gamma(150.2\gamma)=100$.

[&] From DCO in 2008Ju02. Values are for angles of 35°, 145° and 72°, 108° and gates set on $\Delta J=2$, quadrupole radiations.

Expected values are ≈ 1 for stretched quadrupole and ≈ 0.6 for $\Delta J=1$, dipole. Others: From DCO in 2004Ba91.

$R(\text{DCO})=I_{\gamma 1}^{160^\circ}$ (in coincidence with γ_2 at 90°) / $I_{\gamma 1}^{90^\circ}$ (in coincidence with γ_2 at 160°). DCO ratios were obtained by either

gating on a stretched $\Delta J=2$ transition (denoted as DCO(Q)) or on the 298.6 keV transition, which is a $\Delta J=1$, M1+E2 transition (denoted as DCO(D)).

^a Multiply placed with undivided intensity.

^b Multiply placed with intensity suitably divided.

^c Placement of transition in the level scheme is uncertain.

$^{186}\text{W}(^7\text{Li},5n\gamma) \quad 2008\text{Ju02,2004Ba91}$

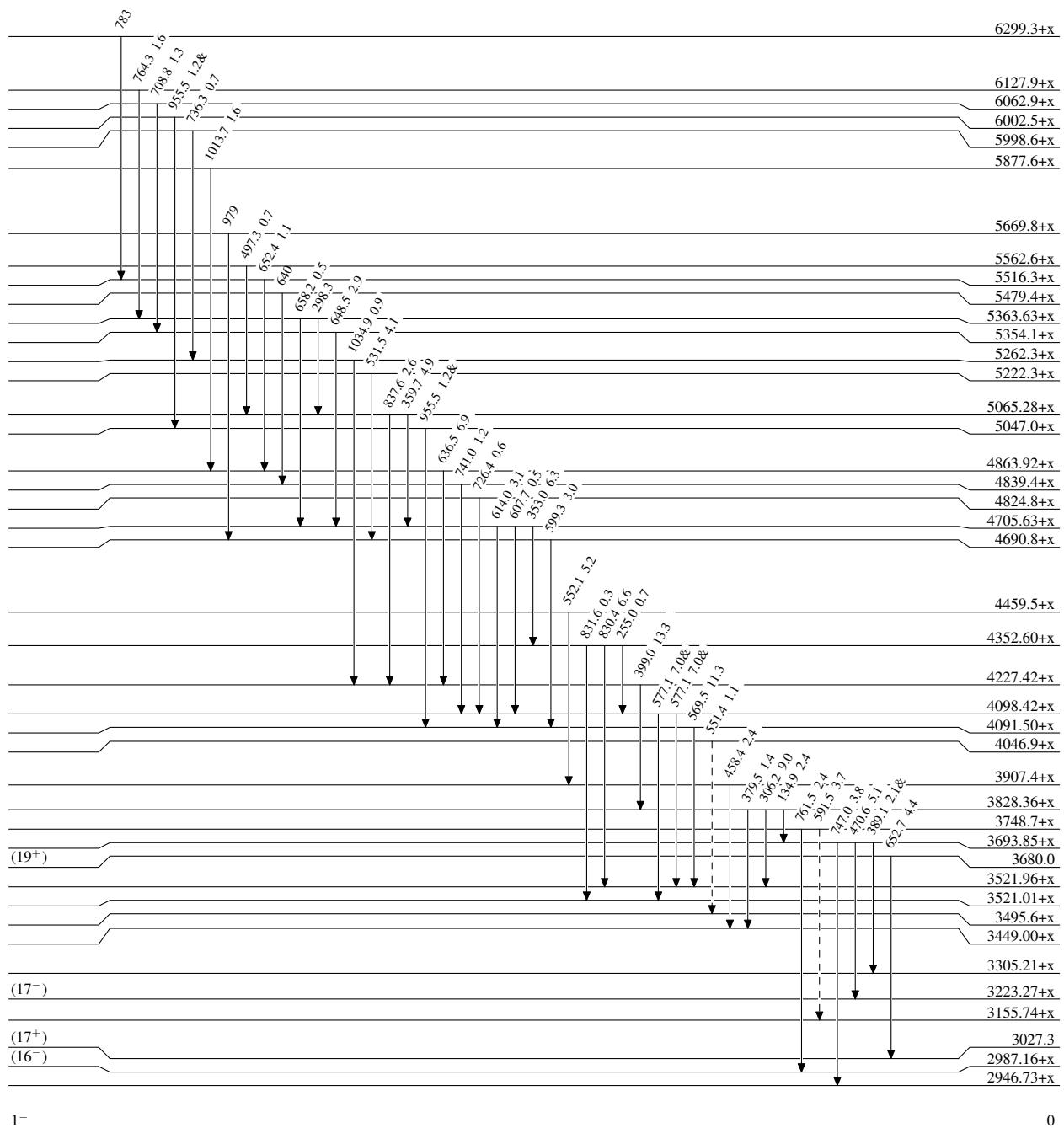
Legend

Level Scheme

Intensities: Relative I_γ

& Multiply placed: undivided intensity given

- \longrightarrow $I_\gamma < 2\% \times I_\gamma^{\max}$
- \longrightarrow $I_\gamma < 10\% \times I_\gamma^{\max}$
- \longrightarrow $I_\gamma > 10\% \times I_\gamma^{\max}$
- $- - - \longrightarrow$ γ Decay (Uncertain)



$^{186}\text{W}(^7\text{Li},5n\gamma)$ 2008Ju02,2004Ba91

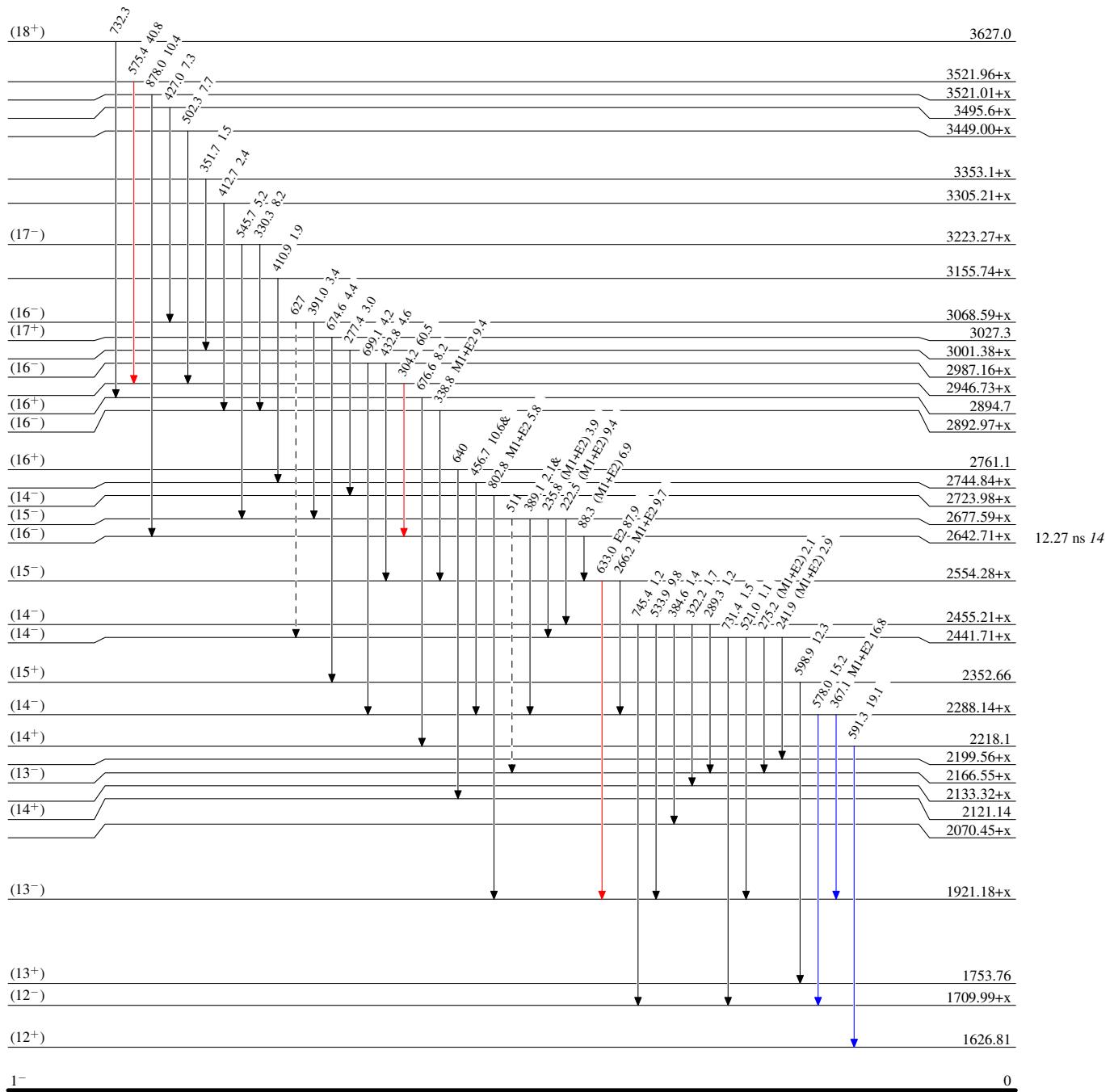
Level Scheme (continued)

Intensities: Relative I_γ

& Multiply placed: undivided intensity given

Legend

- $I_\gamma < 2\% \times I_{\gamma}^{\max}$
- $I_\gamma < 10\% \times I_{\gamma}^{\max}$
- $I_\gamma > 10\% \times I_{\gamma}^{\max}$
- - - - - → γ Decay (Uncertain)



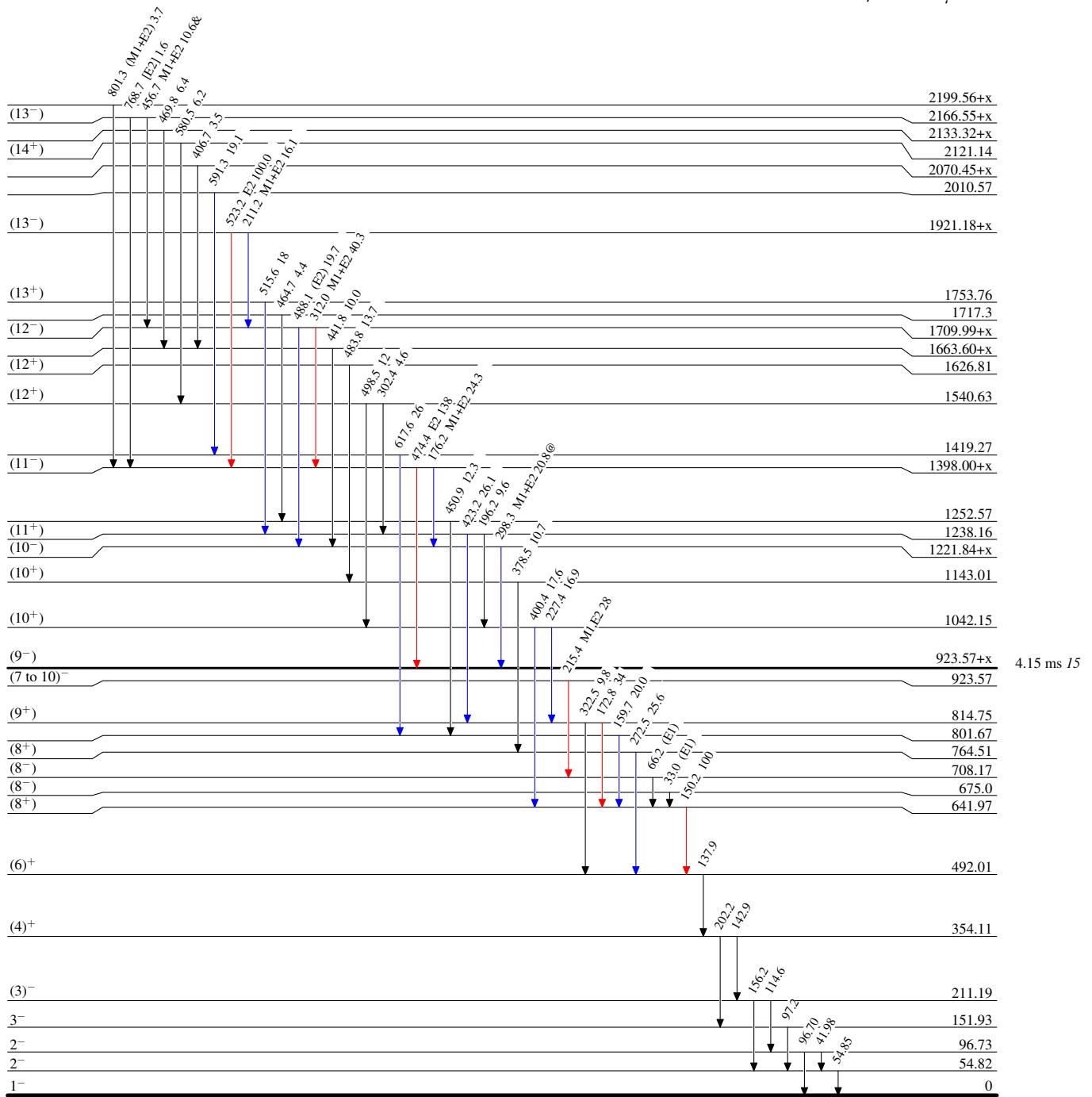
$^{186}\text{W}(^7\text{Li},5n\gamma) \quad 2008\text{Ju02,2004Ba91}$

Level Scheme (continued)

Intensities: Relative I_γ & Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

Legend

- $I_\gamma < 2\% \times I_{\gamma}^{\max}$
- $I_\gamma < 10\% \times I_{\gamma}^{\max}$
- $I_\gamma > 10\% \times I_{\gamma}^{\max}$



$^{186}\text{W}(^7\text{Li},5\text{n}\gamma)$ 2008Ju02,2004Ba91