

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{E=th}$ **2008Bo26,2008SuZW,1973PrYV**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia	NDS 110, 999 (2009)	1-Nov-2008

Others: [1997Bo14](#), [1992Be17](#), [1989BoYT](#), [1973PrZI](#), [1971PrZI](#), [1969BoZN](#), [1967Pr09](#), [1967Sp03](#), [1966Pr10](#) and [1962Tr04](#).

[2008Bo26](#), [1997Bo14](#): 99.8% enriched metallic ^{186}W ; Projectile: Thermal neutron; Detector: HPGe and planer HPGe ([1997Bo14](#)), HPGe and Ge(Li) ([2008Bo26](#)); Measured: $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -coin. In [1997Bo14](#), $\text{I}\gamma$ is reported relative to $\text{I}\gamma=100$ of 5321 γ and reported level scheme upto 2275-keV. [2008Bo26](#) constructed level scheme upto 2352-keV. The high γ -ray are systematically higher by 0.5-keV than that reported by [1997Bo14](#). (n,γ) of [2008Bo26](#) is an in-depth revision of [1997Bo14](#) data by the same group.

[2008SuZW](#): Same as [2008Bo26](#). Extracted 2-step cascades from the $\gamma\gamma$ coin and constructed level scheme upto 3035-keV. Similar work from this group: [2005Su21](#), [2004Su11](#).

[1973PrYV](#): $^{186}\text{W}(\text{n},\gamma)$, 96.9% enriched ^{186}W , E=thermal; Detector: Two Ge(Li) and one planer Ge(Li); Measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -coin, conversion electron.

[1992Be17](#): Target: 99.8% enriched metallic ^{186}W ; Projectile: thermal neutron; Detector: HPGe, Ge(Li); Measured $\text{E}\gamma$, $\text{I}\gamma$, and $\gamma\gamma$ coin.

[1972St06](#): $^{186}\text{W}(\text{pol n},\gamma)$, natural W target, E=thermal; Ge(Li) detector; Measured $\text{E}\gamma$, deduced level energy, J^π .

[2008Bo26](#), [2008SuZW](#), [1997Bo14](#), [1992Be17](#), [1989BoYT](#), [1971PrZI](#), [1973PrZI](#), [1969BoZN](#) – from the same group.

 ^{187}W Levels

E(level) [†]	J^π &	$\text{T}_{1/2}$	Comments
0.0 ^a	3/2 ⁻		
77.287 ^a 10	5/2 ⁻		
145.849 ^{‡b} 9	1/2 ⁻		
201.448 ^a 9	7/2 ⁻		
204.902 ^{‡b} 9	3/2 ⁻		
303.352 ^b 10	5/2 ⁻		
330.97 ^a 5	9/2 ⁻		
350.428 ^c 13	7/2 ⁻	5 ns 1	$\text{T}_{1/2}$: from Adopted Levels.
364.21 ^f 4	9/2 ⁻		
410.04 ^d 4	11/2 ⁺	1.31 μs 8	$\text{T}_{1/2}$: from $\gamma\gamma(\text{t})$ (2008Bo26).
432.277 25	7/2 ⁻		
522.19 ^c 7	9/2 ⁻		
640.488 ^g 16	5/2 ⁻		
741.07 ^e 4	7/2 ⁺		
762.146 20	1/2 ⁻		
775.62 ^{‡g} 14	7/2 ⁻		
782.290 ^h 18	1/2 ⁻		
803.369 22	3/2 ⁻		
811.7 5			
816.256 ^j 18	3/2 ⁻		
840.208 [‡] 15	1/2 ⁻		
852.41 ^k 3	3/2 ⁻		
860.75 ^h 4	3/2 ⁻		
863.33 4	5/2 ⁻		
866.66 4	1/2 ⁻ , 3/2 ⁻		
881.77 5	5/2 ⁽⁺⁾		
884.10 ^{‡e} 4	7/2 ⁺		
891.93 ^l 3	3/2 ⁻		
901.0 4			
908.96 4	1/2 ⁻ , (3/2)		
910.5 4			

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$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma)$ E=th [2008Bo26](#),[2008SuZW](#),[1973PrYV](#) (continued) ^{187}W Levels (continued)

E(level) [†]	J ^π &	Comments
914.68 ^j 4	5/2 ⁻	
960.57 ^k 4	5/2 ⁻	
971.91 ^l 4	5/2 ⁻	
979.44 ^m 4	3/2 ⁻	
989.15 7	3/2 ⁻	
996.5? 6		
1018.53 5	3/2 ⁻	
1082.32 4	1/2 ⁻ , (3/2)	
1086.3 4		
1094.24 5	1/2 ⁻ , 3/2 ⁻	
1135.18 3	3/2 ⁻	
1138.16 6	5/2	J ^π : J ^π =5/2± (2008Bo26).
1217.127 24	3/2 ⁻	
1267.49 12	5/2 ⁻ , (7/2 ⁻)	
1272.39 5	1/2 ⁻ , 3/2 ⁻	
1306.81 8	(5/2)	
1308.22 4	3/2 ⁺	
1312.80 ⁿ 7	3/2 ⁻	
1322.0 5		
1328.7 5		
1330.91 4	3/2 ⁺	
1347.56 ⁱ 5	1/2 ⁻	
1363.1 5		
1373.61 5	3/2 ⁺	
1384.24 ^o 5	3/2 ⁻	
1415.24 ⁱ 7	3/2 ⁻	
1431.70 5	5/2 ⁽⁺⁾	
1441.8 5		
1444.2 5		
1450.85 8	1/2, (3/2)	
1487.12 9	3/2 ⁻	
1501.85 4	3/2 ⁺	
1533.91 15	5/2 ⁺	
1545.97 9	1/2, 3/2	
1549.32 9	1/2, 3/2	
1564.79 6	1/2, 3/2 ⁻	
1589.04 18	5/2 ⁺	
1595.15 11	3/2 ⁺	
1612.87 10	3/2 ⁺	
1619.21 5	3/2 ⁻	
1643.52 24	1/2, 3/2	
1648.73 19	5/2 ⁺	
1663.23 7	3/2 ⁻	
1674.39 17	3/2 ⁽⁻⁾	
1691.88 6	3/2 ⁺	
1706.05 6	1/2, 3/2	
1711.35 15	(3/2 ⁻ , 5/2)	
1719.26 14	3/2 ⁻	
1726.85 11	3/2 ⁻	
1728.91 12	1/2, 3/2	
1734.0 4		
1754.8 5		
1759.57 16	1/2, 3/2	
1770.89 18	1/2 ⁻ , 3/2 ⁻	
1816.29 21	3/2 ⁽⁻⁾	

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$^{186}\text{W}(n,\gamma), ^{186}\text{W}(\text{pol } n,\gamma) \text{ E=th}$ **2008Bo26,2008SuZW,1973PrYV** (continued) ^{187}W Levels (continued)

E(level) [†]	J ^π &	E(level) [†]	J ^π &	E(level) [†]	E(level) [†]	J ^π &
1824.62 22	3/2 ⁻	2194.8 3		2436.2 5	2661.04 19	
1827.2 5		2198.5 4	1/2,3/2	2438.3 4	2678.8 3	
1845.53 14	1/2 ⁻ ,3/2	2203.9 3		2447.91 12	2680.48 10	
1857.83 13	1/2,3/2	2208.37 21	1/2,3/2	2457.4 4	2685.6 3	
1887.74 14	3/2 ⁻	2228.60 19	1/2,3/2	2461.11 14	2689.63 16	
1891.10 16	1/2 ⁽⁻⁾ ,3/2	2232.83 18	1/2,3/2	2471.12 24	2697.42 14	
1897.2 5		2234.6 5		2476.3 4	2706.40 9	
1905.66 ^p 6	3/2 ⁻	2241.66 14	1/2 ⁻ ,3/2 ⁻	2480.0 [@] 16	2714.5 3	
1931.74 [#] 11	1/2 ⁻ ,3/2 ⁻	2258.2 4		2485.02 9	2717.38 23	
1936.86 ^p 11	3/2 ⁻	2260.12 [#] 7	1/2 ⁻ ,3/2 ⁻	2492.14 18	2722.15 16	
1943.80 24	(3/2)	2266.8 4		2496.9 4	2725.7 5	
1950.27 20	(1/2 ⁻),3/2	2269.1 5		2503.4 4	2728.2 3	
1956.21 6	(1/2 ⁻),3/2 ⁻	2272.6 4	1/2,3/2	2509.4 5	2732.3 4	
1961.81 23		2275.89 13	1/2 ⁻ ,3/2 ⁻	2511.67 23	2733.7 5	
1965.9 5		2281.7 6	1/2,3/2	2514.57 17	2736.75 20	
1973.65 [#] 7	3/2	2283.10 16	1/2,3/2	2528.33 21	2747.5 5	
1980.56 13	3/2 ⁺	2287.8 4		2531.7 3	2759.2 4	
1997.11 ^q 5	3/2 ⁻	2293.12 22	1/2,3/2	2534.1 3	2762.50 21	
2001.26? 17		2296.5 5		2545.8 3	2778.3 5	
2014.4 5		2300.0 5		2552.54 14	2780.98 22	
2023.22 15	3/2 ⁽⁺⁾	2301.9 7	1/2,3/2	2556.36 23	2789.9 [@] 6	
2029.7 5		2306.45 14	1/2,3/2	2558.9 4	2796.6 3	
2044.60 16	1/2 ⁻ ,3/2 ⁻	2315.43 [#] 17	1/2,3/2	2562.4 5	2805.91 18	
2059.0 5	1/2,3/2	2322.3 5	1/2,3/2	2564.05 13	2820.4? 8	
2062.1 5	1/2,3/2	2344.43 20	1/2,3/2	2571.6 4	2833.6 4	
2063.07 24	1/2,3/2	2346.6 5		2574.0 5	2834.8 4	
2070.08 [#] 22	1/2,3/2	2352.02 9	1/2 ⁻ ,3/2 ⁻	2583.90 15	2837.52 21	
2083.5 4		2356.79 12		2589.87 13	2844.8? 3	
2090.33 13	1/2 ⁻ ,3/2 ⁻	2367.5 4		2600.8 4	2865.14 [@] 12	
2117.28 10	1/2,3/2	2370.0 3		2606.5 4	2871.1 3	
2124.32 18	1/2,3/2	2375.1 5		2613.63 17	2882.32 7	
2130.0 5		2381.14 21		2617.84 6	2896.7 3	
2136.7 6	1/2,3/2	2385.4 4		2624.11 9	2909.73 10	
2138.67 20	1/2,3/2	2393.8 4		2627.58 11	2929.83 18	
2142.59 24	1/2,3/2	2399.3 5		2636.2 4	3035.7 4	
2150.31 23	1/2,3/2	2411.40 9		2636.37 13	3144.80 8	
2153.42 19	1/2,3/2	2415.19 16		2640.8 5	3171.6 [@] 6	
2168.9 3	1/2,3/2	2426.88 14		2647.44 15	3176.6 4	
2172.2 3	1/2,3/2	2429.5 5		2650.5 5	3342.07 10	
2180.47 25	1/2,3/2	2433.9 3		2653.5 3	(5466.908 17)	1/2 ⁺

[†] From a least-squares adjustment to the γ -ray energies. The 2699.6 γ (from 2699.6-keV level), 2462.5 γ (from 3342.18-keV level), and 2738.69 (from 5466.9 keV level) were avoided in the least-squares adjustment to reduce the χ^2 value. For missing γ -ray uncertainties $\Delta E=0.5$ is assumed by the evaluator in the least-squares adjustment.

[‡] Also reported in (pol n,γ) (1972St06).

[#] Unresolved doublet.

[@] Not in the adopted level. γ -ray feeding from the capture state.

[&] From band assignment, (n,γ) population-depopulation data, band assignment, γ -ray multipolarity, etc. by 2008Bo26 including the data of (d,p) study by 2008Bo26, except otherwise noted.

^a 3/2⁻[512].

^b 1/2⁻[510].

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$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma)$ E=th [2008Bo26,2008SuZW,1973PrYV](#) (continued)

^{187}W Levels (continued)

- c* $7/2^{-}$ [503].
d $11/2^{+}$ [615].
e $7/2^{+}$ (vibration).
f $9/2^{-}$ [505].
g $5/2^{-}$ [503].
h $1/2^{-}$ [501] based on 782 level.
i $1/2^{-}$ [501] based on 1348 level.
j $3/2^{-}$ [501] + vibration based on 816 level.
k $3/2^{-}$ [501] + vibration based on 852 level.
l $3/2^{-}$ [501] + vibration based on 892 level.
m $3/2^{-}$ [501] + vibration based on 979 level.
n $3/2^{-}$ [501] + vibration based on 1313 level.
o $3/2^{-}$ [501] + vibration based on 1384 level.
p $3/2^{-}$ [501] + vibration based on 1906 level.
q $3/2^{-}$ [501] + vibration based on 1997 level.

$\gamma(^{187}\text{W})$										
$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	Mult.#	$\delta^@$	α^k	$I_\gamma\%^f$	Comments
77.287	5/2 ⁻	77.28 4	100	0.0	3/2 ⁻	M1+E2	0.45 2	10.17		L1:L2:L3=0.7 2:1.2 2:1 (1973PrYV) $\alpha(\text{K})=7.03$ 14; $\alpha(\text{L})=2.40$ 9; $\alpha(\text{M})=0.580$ 23; $\alpha(\text{N}+..)=0.159$ 6 $\alpha(\text{N})=0.138$ 6; $\alpha(\text{O})=0.0204$ 7; $\alpha(\text{P})=0.000722$ 14
145.849	1/2 ⁻	145.86 1	100	0.0	3/2 ⁻	M1		1.617	0.021 ^h 4	K/L1=5.9 7; L1/L2=13 6 (1973PrYV) $\alpha(\text{K})=1.342$ 19; $\alpha(\text{L})=0.213$ 3; $\alpha(\text{M})=0.0484$ 7; $\alpha(\text{N}+..)=0.01371$ 20 $\alpha(\text{N})=0.01167$ 17; $\alpha(\text{O})=0.00190$ 3; $\alpha(\text{P})=0.0001354$ 19 $\alpha(\text{K})\text{exp}=1.2$ 3; $\alpha(\text{L2})\text{exp}=0.38$ 8; $\alpha(\text{L3})\text{exp}=0.21$ 4 (1973PrYV) $\alpha(\text{K})=1.14$ 22; $\alpha(\text{L})=0.66$ 7; $\alpha(\text{M})=0.162$ 19; $\alpha(\text{N}+..)=0.044$ 5 $\alpha(\text{N})=0.038$ 5; $\alpha(\text{O})=0.0055$ 6; $\alpha(\text{P})=0.000106$ 24 $\alpha(\text{K})\text{exp}=0.058$ 11; $\alpha(\text{L3})\text{exp}=0.022$ 7 (1973PrYV) Mult.: $\alpha(\text{K})\text{exp}=0.058$ 11 is consistent with E1, level scheme requires E2.
201.448	7/2 ⁻	124.23 3	12.6 2	77.287	5/2 ⁻	M1+E2	1.3 +5-3	2.01 13		L1:L2:L3=1:0.09 8:0.007 6 (1973PrYV) $\text{ce}(\text{L})/(\gamma+\text{ce})=0.610$ 6; $\text{ce}(\text{M})/(\gamma+\text{ce})=0.1390$ 24; $\text{ce}(\text{N}+)/(\gamma+\text{ce})=0.0393$ 8 $\text{ce}(\text{N})/(\gamma+\text{ce})=0.0335$ 7; $\text{ce}(\text{O})/(\gamma+\text{ce})=0.00546$ 11; $\text{ce}(\text{P})/(\gamma+\text{ce})=0.000387$ 8 E_γ : From 1973PrYV. $I_\gamma\%$: deduced by the evaluator from conversion electron intensities (1973PrYV) and the adopted multipolarity. $\alpha(\text{K})\text{exp}=1.1$ 3; $\alpha(\text{L1})\text{exp}=0.17$ 5 (1973PrYV) $\alpha(\text{K})=1.1$ 4; $\alpha(\text{L})=0.57$ 12; $\alpha(\text{M})=0.14$ 3; $\alpha(\text{N}+..)=0.038$ 8 $\alpha(\text{N})=0.033$ 8; $\alpha(\text{O})=0.0048$ 9; $\alpha(\text{P})=0.00010$ 5 $\alpha(\text{K})\text{exp}=0.069$ 21 (1973PrYV) Mult.: $\alpha(\text{K})\text{exp}$ value is consistent with E1.
204.902	3/2 ⁻	59.2 1		145.849	1/2 ⁻	M1		3.73	122 30	
		127.57 2	75 2	77.287	5/2 ⁻	M1+E2	1.2 5	1.87 23		
		204.92 1	100 2	0.0	3/2 ⁻				0.090 ^h 6	
303.352	5/2 ⁻	98.47 16 101.83 2	3 1 27 2	204.902 201.448	3/2 ⁻ 7/2 ⁻	M1		4.51		$\alpha(\text{K})\text{exp}=7.9$ 39; $\alpha(\text{L1})\text{exp}=0.58$ 23 (1971PrZJ) $\alpha(\text{K})=3.74$ 6; $\alpha(\text{L})=0.596$ 9; $\alpha(\text{M})=0.1357$ 19; $\alpha(\text{N}+..)=0.0384$ 6 $\alpha(\text{N})=0.0327$ 5; $\alpha(\text{O})=0.00533$ 8; $\alpha(\text{P})=0.000379$ 6
		157.53 2 226.08 1	27 3 100 4	145.849 77.287	1/2 ⁻ 5/2 ⁻	M1+E2	2.5 6	0.243 22		$\alpha(\text{K})\text{exp}=0.16$ 5 (1973PrYV) $\alpha(\text{K})=0.159$ 22; $\alpha(\text{L})=0.0638$ 9; $\alpha(\text{M})=0.0156$ 3; $\alpha(\text{N}+..)=0.00426$ 7 $\alpha(\text{N})=0.00371$ 6; $\alpha(\text{O})=0.000537$ 8; $\alpha(\text{P})=1.39\times 10^{-5}$ 24
330.97	9/2 ⁻	303.37 2 129 2 253.68 5	66 5 4 3 100 9	0.0 201.448 77.287	3/2 ⁻ 7/2 ⁻ 5/2 ⁻					

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ **2008Bo26,2008SuZW,1973PrYV (continued)**

$\gamma(^{187}\text{W})$ (continued)									
$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	Mult. [#]	$\delta^@$	α^k	Comments
350.428	7/2 ⁻	(≈ 19) 148.96 4	3 ^d 1 11.4 3	330.97 9/2 ⁻ 201.448 7/2 ⁻		E2(+M1)	3.6 6	0.908 23	$\alpha(\text{K})_{\text{exp}}=0.43$ 13 (1973PrYV) $\alpha(\text{K})=0.43$ 3; $\alpha(\text{L})=0.363$ 8; $\alpha(\text{M})=0.0908$ 19; $\alpha(\text{N}+..)=0.0245$ 5 $\alpha(\text{N})=0.0214$ 5; $\alpha(\text{O})=0.00299$ 6; $\alpha(\text{P})=3.5\times 10^{-5}$ 3 $\alpha(\text{K})_{\text{exp}}=0.084$ 14 (1971PrZJ) $\alpha(\text{K})=0.085$ 5; $\alpha(\text{L})=0.0309$ 5; $\alpha(\text{M})=0.00753$ 11; $\alpha(\text{N}+..)=0.00206$ 3 $\alpha(\text{N})=0.00179$ 3; $\alpha(\text{O})=0.000261$ 5; $\alpha(\text{P})=7.4\times 10^{-6}$ 5
		273.14 1	100 1	77.287 5/2 ⁻		E2(+M1)	3.6 6	0.125 6	
		350.40 11	2.5 2	0.0 3/2 ⁻					
364.21	9/2 ⁻	(≈ 14) 162.7 3 286.88 15	100 ^d 2 ≤ 3 5 1	350.428 7/2 ⁻ 201.448 7/2 ⁻ 77.287 5/2 ⁻					
410.04	11/2 ⁺	(≈ 46)	100	364.21 9/2 ⁻					
432.277	7/2 ⁻	(≈ 101) 128.92 12 227.45 9	≤ 8 ^d 41 3 30 4	330.97 9/2 ⁻ 303.352 5/2 ⁻ 204.902 3/2 ⁻					
		230.9 5 355.02 3 432.4 5	7 2 100 3 5.4 15	201.448 7/2 ⁻ 77.287 5/2 ⁻ 0.0 3/2 ⁻					$\alpha(\text{K})_{\text{exp}}=0.19$ 7 (1973PrYV) Mult.: $\alpha(\text{K})_{\text{exp}}$ indicates M1+E2 ($\delta=1.6$ 2), decay scheme requires E2.
522.19	9/2 ⁻	171.78 8	100	350.428 7/2 ⁻		M1(+E2)	1.3 7	0.71 19	
640.488	5/2 ⁻	276.25 10	24 3	364.21 9/2 ⁻					$\alpha(\text{K})_{\text{exp}}=0.47$ 19 (1971PrZJ) $\alpha(\text{K})=0.47$ 22; $\alpha(\text{L})=0.177$ 25; $\alpha(\text{M})=0.043$ 8; $\alpha(\text{N}+..)=0.0118$ 19 $\alpha(\text{N})=0.0102$ 17; $\alpha(\text{O})=0.00149$ 18; $\alpha(\text{P})=4.4\times 10^{-5}$ 24 $\alpha(\text{K})_{\text{exp}}=0.16$ 6 (1971PrZJ) E $_\gamma$: Placement was from 9/2 ⁻ state at 916.5-keV (1997Bo14). Mult.: $\alpha(\text{K})_{\text{exp}}=0.16$ 6 is consistent with M1+E2, decay scheme requires E2.
		290.06 1	100 4	350.428 7/2 ⁻		M1+E2	1.0 6	0.17 6	
		438.9 ^l 563.3 4 640.23 22	5 1 14 4 22 4	201.448 7/2 ⁻ 77.287 5/2 ⁻ 0.0 3/2 ⁻					
741.07	7/2 ⁺	218.86 13 330.99 7 376.86 2 390.67 6 539.4 3 663.8 5	8 2 42 4 100 2 38 3 5 1 42 2	522.19 9/2 ⁻ 410.04 11/2 ⁺ 364.21 9/2 ⁻ 350.428 7/2 ⁻ 201.448 7/2 ⁻ 77.287 5/2 ⁻					
762.146	1/2 ⁻	557.25 2	100 2	204.902 3/2 ⁻		(M1+E2)	1.3 7	0.026 10	

$\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	Mult. #	$\delta^@$	α^k	$I_\gamma\%^f$	Comments
$\alpha(\text{N})=0.00021\ 6; \alpha(\text{O})=3.3\times 10^{-5}\ 9; \alpha(\text{P})=2.0\times 10^{-6}\ 9$ $\alpha(\text{K})_{\text{exp}}=0.021\ 7$ (deduced by the evaluator using the ce data of 1973PrYV).										
762.146	1/2 ⁻	616.40 9	51 2	145.849	1/2 ⁻					
		762.0 5	5 1	0.0	3/2 ⁻					
775.62	7/2 ⁻	253.50 16	100 13	522.19	9/2 ⁻					
		411.28 23	80 10	364.21	9/2 ⁻					
782.290	1/2 ⁻	141 ^{cl}	≈0.3	640.488	5/2 ⁻					
		577.39 2	100 1	204.902	3/2 ⁻	(M1+E2)	0.7 9	0.031 10	1.22 ^h 3	$\alpha(\text{K})=0.026\ 9; \alpha(\text{L})=0.0042\ 10; \alpha(\text{M})=0.00095\ 22;$ $\alpha(\text{N}+..)=0.00027\ 7$ $\alpha(\text{N})=0.00023\ 6; \alpha(\text{O})=3.7\times 10^{-5}\ 9; \alpha(\text{P})=2.5\times 10^{-6}\ 9$ $\alpha(\text{K})_{\text{exp}}=0.026\ 8$ (deduced by the evaluator using the ce data of 1973PrYV).
803.369	3/2 ⁻	636.5 3	4.3 4	145.849	1/2 ⁻				0.042 ^h 6	
		704.9 4	1.5 2	77.287	5/2 ⁻					
		782.25 6	69 1	0.0	3/2 ⁻				0.753 ^h 16	
		500.07 4	36 4	303.352	5/2 ⁻	(M1)		0.0564		$\alpha(\text{K})=0.0471\ 7; \alpha(\text{L})=0.00725\ 11; \alpha(\text{M})=0.001645\ 23;$ $\alpha(\text{N}+..)=0.000466\ 7$ $\alpha(\text{N})=0.000396\ 6; \alpha(\text{O})=6.48\times 10^{-5}\ 9; \alpha(\text{P})=4.66\times 10^{-6}\ 7$ $\alpha(\text{K})_{\text{exp}}=0.048\ 15$ (deduced by the evaluator using the ce data of 1973PrYV).
		598.54 8	19 2	204.902	3/2 ⁻				0.017 ^h 8	
811.7 816.256	3/2 ⁻	657.52 4	100 2	145.849	1/2 ⁻				0.041 ^h 6	
		725.99 4	26 1	77.287	5/2 ⁻					
		803.35 7	14 8	0.0	3/2 ⁻					
		734.4 [‡]		77.287	5/2 ⁻				0.020 ^h 4	
		176.6 6	2 1	640.488	5/2 ⁻					
		384.3 6	2 1	432.277	7/2 ⁻					
		465.78 11	13 2	350.428	7/2 ⁻					
		512.7 3	15 5	303.352	5/2 ⁻					
		611.31 3	68 2	204.902	3/2 ⁻	(M1)		0.0336	0.114 ^h 11	$\alpha(\text{K})=0.0280\ 4; \alpha(\text{L})=0.00429\ 6; \alpha(\text{M})=0.000972\ 14;$ $\alpha(\text{N}+..)=0.000275\ 4$ $\alpha(\text{N})=0.000234\ 4; \alpha(\text{O})=3.83\times 10^{-5}\ 6; \alpha(\text{P})=2.76\times 10^{-6}\ 4$ $\alpha(\text{K})_{\text{exp}}=0.051\ 15$ (deduced by the evaluator using the ce data of 1973PrYV).
		670.41 4	54 2	145.849	1/2 ⁻				0.172 ^h 10	
840.208	1/2 ⁻	738.95 5	43 2	77.287	5/2 ⁻				0.086 ^h 6	
		816.31 4	100 2	0.0	3/2 ⁻				0.166 ^h 16	
		536.9 4	1.8 4	303.352	5/2 ⁻					
		635.40 12	16 1	204.902	3/2 ⁻				0.188 ^h 14	
		694.38 3	33 1	145.849	1/2 ⁻				0.416 ^h 15	

$\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%{}^f$	$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%{}^f$
840.208	1/2 ⁻	762.87 4	28 1	77.287	5/2 ⁻	0.282 ^h 11	891.93	3/2 ⁻	690.5 7	2 1	201.448	7/2 ⁻	
		840.20 2	100 2	0.0	3/2 ⁻	0.88 ^h 3			746.10 10	44 2	145.849	1/2 ⁻	0.268 ^h 12
852.41	3/2 ⁻	502.0 6	7 3	350.428	7/2 ⁻				814.72 14	30 2	77.287	5/2 ⁻	0.112 ^h 7
		549.0 5	10 4	303.352	5/2 ⁻				891.93 7	100 2	0.0	3/2 ⁻	0.453 ^h 25
		647.64 10	46 4	204.902	3/2 ⁻		901.0		597.7 [‡]		303.352	5/2 ⁻	0.075 ^h 14
		651.0 5	7 3	201.448	7/2 ⁻				823.6 [‡]		77.287	5/2 ⁻	0.051 ^h 10
		706.58 4	100 3	145.849	1/2 ⁻		908.96	1/2,(3/2)	605.64 12	11 2	303.352	5/2 ⁻	
		775.10 5	88 3	77.287	5/2 ⁻				704.2 7	7 2	204.902	3/2 ⁻	
		852.41 8	82 3	0.0	3/2 ⁻				831.69 6	49 3	77.287	5/2 ⁻	0.088 ^h 10
860.75	3/2 ⁻	428.47 7	32 2	432.277	7/2 ⁻				908.98 14	100 4	0.0	3/2 ⁻	0.102 ^h 18
		655.90 6	100 2	204.902	3/2 ⁻		910.5		910.8 [‡]		0.0	3/2 ⁻	0.047 ^h 11
		659.20 12	44 5	201.448	7/2 ⁻		914.68	5/2 ⁻	392.5 4	3 1	522.19	9/2 ⁻	
		783.5 4	39 5	77.287	5/2 ⁻				564.4 3	11 5	350.428	7/2 ⁻	
		860.85 14	39 4	0.0	3/2 ⁻				611.35 23	89 7	303.352	5/2 ⁻	
863.33	5/2 ⁻	≈513	24 10	350.428	7/2 ⁻				709.5 3	41 5	204.902	3/2 ⁻	
		532.41 7	39 10	330.97	9/2 ⁻				713.10 19	39 5	201.448	7/2 ⁻	
		560.07 12	49 14	303.352	5/2 ⁻				768.9 3	12 5	145.849	1/2 ⁻	
		658.0 3	17 8	204.902	3/2 ⁻				837.43 5	49 10	77.287	5/2 ⁻	
		661.86 6	38 14	201.448	7/2 ⁻				914.67 14	100 7	0.0	3/2 ⁻	
		717.52 5	21 8	145.849	1/2 ⁻		960.57	5/2 ⁻	528.36 6	100 10	432.277	7/2 ⁻	
		785.8 4	33 10	77.287	5/2 ⁻				628.7 3	20 9	330.97	9/2 ⁻	
		863.4 3	100 12	0.0	3/2 ⁻				657.3 3	19 12	303.352	5/2 ⁻	
866.66	1/2 ⁻ ,3/2 ⁻	563.51 6	10 5	303.352	5/2 ⁻				755.9 3	22 9	204.902	3/2 ⁻	
		661.6 6	29 8	204.902	3/2 ⁻				759.11 5	44 10	201.448	7/2 ⁻	
		789.23 7	100 2	77.287	5/2 ⁻				960.47 18	25 9	0.0	3/2 ⁻	
		866.59 20	95 2	0.0	3/2 ⁻		971.91	5/2 ⁻	449.9 3	17 8	522.19	9/2 ⁻	
881.77	5/2 ⁽⁺⁾	140.7 3	14 2	741.07	7/2 ⁺				539.77 8	54 8	432.277	7/2 ⁻	
		449.1 4	4 2	432.277	7/2 ⁻				621.44 5	45 8	350.428	7/2 ⁻	
		531.31 11	94 8	350.428	7/2 ⁻				640.99 21	9 2	330.97	9/2 ⁻	
		676.96 15	34 7	204.902	3/2 ⁻				668.57 20	18 7	303.352	5/2 ⁻	
		680.36 7	11 4	201.448	7/2 ⁻				767.0 3	41 8	204.902	3/2 ⁻	
		803.7 4	≈8	77.287	5/2 ⁻				770.48 21	67 9	201.448	7/2 ⁻	
		881.74 12	100 8	0.0	3/2 ⁻				894.59 10	100 9	77.287	5/2 ⁻	
884.10	7/2 ⁺	143.12 9	14 1	741.07	7/2 ⁺				972.0 6	23 9	0.0	3/2 ⁻	
		243.6 6	≈1	640.488	5/2 ⁻		979.44	3/2 ⁻	628.97 6	85 4	350.428	7/2 ⁻	
		451.6 7	2.2 7	432.277	7/2 ⁻				774.6 3	25 7	204.902	3/2 ⁻	0.018 ^h 5
		474.07 2	100 2	410.04	11/2 ⁺				778.0 3	11 5	201.448	7/2 ⁻	
		533.69 8	32 1	350.428	7/2 ⁻				833.57 24	100 7	145.849	1/2 ⁻	0.064 ^h 10
891.93	3/2 ⁻	460.1 8	1.7 6	432.277	7/2 ⁻				901.9 9	≈8	77.287	5/2 ⁻	
		541.46 13	14 1	350.428	7/2 ⁻				979.39 7	74 3	0.0	3/2 ⁻	0.040 ^h 7
		588.67 11	20 1	303.352	5/2 ⁻	0.199 ^h 20	989.15	3/2 ⁻	557.0 6	25 7	432.277	7/2 ⁻	
		687.1 [‡]		204.902	3/2 ⁻	0.015 ^h 6			784.4 [‡]		204.902	3/2 ⁻	0.026 ^h 5

$\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_{\gamma\%}^f$
989.15	$3/2^-$	787.69 18	100 9	201.448	$7/2^-$	0.023 ^h 5
		911.87 23	74 9	77.287	$5/2^-$	
		989.18 9	87 10	0.0	$3/2^-$	0.047 ^h 7
1018.53	$3/2^-$	715.16 24	15 2	303.352	$5/2^-$	0.057 ^h 6
		813.61 17	53 3	204.902	$3/2^-$	0.107 ^h 11
		817.1 5	19 3	201.448	$7/2^-$	
		872.69 8	100 2	145.849	$1/2^-$	0.212 ^h 16
		941.24 17	33 2	77.287	$5/2^-$	0.066 ^h 5
1082.32	$1/2^-, (3/2)$	1018.45 11	82 2	0.0	$3/2^-$	0.159 ^h 11
		190.4 6	1.9 5	891.93	$3/2^-$	
		215.7 3	3.8 5	866.66	$1/2^-, 3/2^-$	
		242.4 5	3.6 6	840.208	$1/2^-$	
		266.5 7	1.9 5	816.256	$3/2^-$	
		778.9 6	4.6 11	303.352	$5/2^-$	
		877.42 6	54 2	204.902	$3/2^-$	0.230 ^h 15
		936.4 5	9 1	145.849	$1/2^-$	0.043 ^h 8
		1082.27 10	100 3	0.0	$3/2^-$	0.353 ^h 17
		782.3 [‡]		303.352	$5/2^-$	0.099 ^h 13
1086.3						
1094.24	$1/2^-, 3/2^-$	253.9 8	10 3	840.208	$1/2^-$	
		790.6 4	12 3	303.352	$5/2^-$	0.044 ^h 11
		889.40 7	100 3	204.902	$3/2^-$	0.057 ^h 8
		949 1	≈ 9	145.849	$1/2^-$	
		1016.6 3	16 5	77.287	$5/2^-$	
1135.18	$3/2^-$	1094.19 8	74 4	0.0	$3/2^-$	0.028 ^h 6
		244 1	4 1	891.93	$3/2^-$	
		268.5 4	7 1	866.66	$1/2^-, 3/2^-$	
		295.0 3	13 2	840.208	$1/2^-$	
		702.9 4	3 1	432.277	$7/2^-$	
		831.80 24	18 4	303.352	$5/2^-$	0.057 ^h 18
		930.3 3	24 4	204.902	$3/2^-$	0.037 ^h 8
		933.69 7	15 2	201.448	$7/2^-$	
		989.39 7	42 3	145.849	$1/2^-$	0.082 ^h 8
		1057.88 5	100 4	77.287	$5/2^-$	0.177 ^h 6
1138.16	$5/2$	1135.15 21	59 3	0.0	$3/2^-$	0.104 ^h 9
		254.0 3	≈ 2	884.10	$7/2^+$	
		787.77 23	13 2	350.428	$7/2^-$	
		936.70 7	43 6	201.448	$7/2^-$	
		1060.86 14	94 18	77.287	$5/2^-$	
		1138.4 4	100 12	0.0	$3/2^-$	

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ [2008Bo26,2008SuZW,1973PrYV](#) (continued)

 $\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_{\gamma\%}^f$
1217.127	$3/2^-$	237.7 9	1.0 4	979.44	$3/2^-$	
		325.2 4	2.6 4	891.93	$3/2^-$	
		364.9 8	1.5 4	852.41	$3/2^-$	
		376.93 14	9.8 16	840.208	$1/2^-$	
		400.6 7	2.1 4	816.256	$3/2^-$	
		434.8 8	1.7 4	782.290	$1/2^-$	
		577.0 5	4.0 15	640.488	$5/2^-$	
		913.7 3	9.5 6	303.352	$5/2^-$	
		1012.29 4	64 1	204.902	$3/2^-$	0.414 ^h 15
		1015.6 4	8.3 8	201.448	$7/2^-$	
		1071.24 3	100 2	145.849	$1/2^-$	0.701 ^h 23
		1139.73 20	25 2	77.287	$5/2^-$	0.146 ^h 12
		1216.9 5	4.6 7	0.0	$3/2^-$	
		835.20 13	96 9	432.277	$7/2^-$	
		917.2 4	23 7	350.428	$7/2^-$	
1267.49	$5/2^-, (7/2^-)$	1066.1 3	100 17	201.448	$7/2^-$	
		1190.0 6	93 40	77.287	$5/2^-$	
		363.43 15	25 3	908.96	$1/2, (3/2)$	
		380.51 7	54 6	891.93	$3/2^-$	
1272.39	$1/2^-, 3/2^-$	405.78 13	28 3	866.66	$1/2^-, 3/2^-$	
		420.02 9	45 4	852.41	$3/2^-$	
		456.2 3	23 5	816.256	$3/2^-$	
		469.03 15	20 5	803.369	$3/2^-$	
		1067.53 24	79 12	204.902	$3/2^-$	
		1126.5 4	47 7	145.849	$1/2^-$	
		1193.8 8	22 5	77.287	$5/2^-$	
		1272.18 11	100 7	0.0	$3/2^-$	
		874.67 20	48 6	432.277	$7/2^-$	
		956.27 12	54 5	350.428	$7/2^-$	
1306.81	(5/2)	1105.41 12	66 5	201.448	$7/2^-$	
		1307.0 ^l	100 11	0.0	$3/2^-$	
		393.6 4	5 2	914.68	$5/2^-$	
1308.22	$3/2^+$	424.00 10	100 3	884.10	$7/2^+$	
		441.8 6	≈ 2	866.66	$1/2^-, 3/2^-$	
		447.4 3	4 2	860.75	$3/2^-$	
		468.0 3	4 2	840.208	$1/2^-$	
		525.9 3	11 2	782.290	$1/2^-$	
		546.16 5	30 2	762.146	$1/2^-$	
		567.14 5	21 2	741.07	$7/2^+$	
		1004.3 3	8 2	303.352	$5/2^-$	0.042 ^h 12
		1103.3 3	10 2	204.902	$3/2^-$	
		1162.33 20	9 2	145.849	$1/2^-$	

$\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%{}^f$
1308.22	3/2 ⁺	1231.2 3	23 3	77.287	5/2 ⁻	0.036 ^h 7
1312.80	3/2 ⁻	450.0 3	9 2	863.33	5/2 ⁻	
		451.9 3	7 2	860.75	3/2 ⁻	
		1009.2 5	3 1	303.352	5/2 ⁻	
		1107.87 9	100 6	204.902	3/2 ⁻	0.041 ^h 6
		1111.36 11	8 3	201.448	7/2 ⁻	
		1235.9 5	11 4	77.287	5/2 ⁻	
		1313.2 ^{cl}	15 3	0.0	3/2 ⁻	
1322.0		1018.6 [‡]		303.352	5/2 ⁻	0.032 ^h 9
1328.7		1025.3 [‡]		303.352	5/2 ⁻	0.144 ^h 14
1330.91	3/2 ⁺	446.75 7	40 4	884.10	7/2 ⁺	
		464.4 3	14 3	866.66	1/2 ⁻ , 3/2 ⁻	
		467.73 10	45 4	863.33	5/2 ⁻	
		527.69 15	15 4	803.369	3/2 ⁻	
		548.65 5	100 8	782.290	1/2 ⁻	
		568.76 17	17 4	762.146	1/2 ⁻	
		589.7 4	7 2	741.07	7/2 ⁺	
		1027.39 15	84 8	303.352	5/2 ⁻	
		1184.80 11	63 7	145.849	1/2 ⁻	
		1330 1	40 13	0.0	3/2 ⁻	
1347.56	1/2 ⁻	368.1 8	5 2	979.44	3/2 ⁻	
		455.6 6	7 2	891.93	3/2 ⁻	
		483.6 7	4 2	863.33	5/2 ⁻	
		495.21 6	59 3	852.41	3/2 ⁻	
		507.3 4	11 4	840.208	1/2 ⁻	
		531.28 7	100 4	816.256	3/2 ⁻	
		565.22 23	24 3	782.290	1/2 ⁻	
		706.85 12	60 8	640.488	5/2 ⁻	
		1142.3 9	8 5	204.902	3/2 ⁻	
		1201.6 6	11 3	145.849	1/2 ⁻	0.019 ^h 8
		1270.4 9	6 2	77.287	5/2 ⁻	0.060 ^h 4
		1347.5 3	34 4	0.0	3/2 ⁻	
1363.1		1285.8 [‡]		77.287	5/2 ⁻	
1373.61	3/2 ⁺	464.6 3	11 3	908.96	1/2, (3/2)	
		489.51 4	100 5	884.10	7/2 ⁺	0.012 ^h 7
		570.7 7	4 2	803.369	3/2 ⁻	
		632.4 3	11 3	741.07	7/2 ⁺	
		1297.1 8	38 16	77.287	5/2 ⁻	
		1373.6 ^{cl}		0.0	3/2 ⁻	
1384.24	3/2 ⁻	469.6 4	31 4	914.68	5/2 ⁻	
		492.3 5	24 5	891.93	3/2 ⁻	

$\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%_6^f$
1384.24	$3/2^-$	517.6 4	30 4	866.66	$1/2^-, 3/2^-$	
		531.8 4	16 4	852.41	$3/2^-$	
		601.92 10	90 6	782.290	$1/2^-$	
		744.2 8	9 4	640.488	$5/2^-$	
		1033.83 13	80 6	350.428	$7/2^-$	
		1080.8 9	25 6	303.352	$5/2^-$	
		1179.31 22	100 7	204.902	$3/2^-$	0.082 5
		1238.3 4	69 8	145.849	$1/2^-$	0.052 8
		1306.7 6	33 6	77.287	$5/2^-$	0.018 4
		1384.2 8	33 7	0.0	$3/2^-$	0.032 4
1415.24	$3/2^-$	500.69 9	100 7	914.68	$5/2^-$	
		562.64 24	26 5	852.41	$3/2^-$	
		598.86 10	46 10	816.256	$3/2^-$	
		632.77 24	22 3	782.290	$1/2^-$	
		774.91 23	34 5	640.488	$5/2^-$	
1431.70	$5/2^{(+)}$	547.59 3	100 4	884.10	$7/2^+$	
		690.61 22	10 2	741.07	$7/2^+$	
		791.34 23	14 2	640.488	$5/2^-$	
1441.8		1138.4 [‡]		303.352	$5/2^-$	0.038 ^h 10
1444.2		1366.9 [‡]		77.287	$5/2^-$	0.014 ^h 4
1450.85	$1/2, (3/2)$	810.8 4	≈ 2	640.488	$5/2^-$	
		1147.4 9	≈ 6	303.352	$5/2^-$	
		1305.0 9	6 2	145.849	$1/2^-$	0.019 ^h 4
		1373.5 4	17 3	77.287	$5/2^-$	0.026 ^h 4
		1450.75 13	100 7	0.0	$3/2^-$	0.152 ^h 7
1487.12	$3/2^-$	528.0 5	8 3	960.57	$5/2^-$	
		578.3 9	≈ 11	908.96	$1/2, (3/2)$	
		595.4 8	7 3	891.93	$3/2^-$	
		1282.6 7	100 24	204.902	$3/2^-$	
		1286.4 4	27 6	201.448	$7/2^-$	
		1341.17 9	53 10	145.849	$1/2^-$	
		1409.4 4	35 16	77.287	$5/2^-$	
		1487.6 4	77 30	0.0	$3/2^-$	
		170.8 9	5 2	1330.91	$3/2^+$	
		189.3 5	10 2	1312.80	$3/2^-$	
1501.85	$3/2^+$	229.7 5	13 2	1272.39	$1/2^-, 3/2^-$	
		522.14 19	18 3	979.44	$3/2^-$	
		592.90 8	20 3	908.96	$1/2, (3/2)$	
		617.83 5	56 5	884.10	$7/2^+$	
		635.0 6	15 4	866.66	$1/2^-, 3/2^-$	
		661.73 20	8 1	840.208	$1/2^-$	
		719.49 12	20 3	782.290	$1/2^-$	

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ [2008Bo26,2008SuZW,1973PrYV](#) (continued)

 $\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%{}^f$
1501.85	$3/2^+$	739.6 3	15 5	762.146	$1/2^-$	
		760.71 21	8 1	741.07	$7/2^+$	
		1198.7 5	12 2	303.352	$5/2^-$	
		1296.97 12	100 7	204.902	$3/2^-$	0.083 ^h 6
		1355.95 13	39 3	145.849	$1/2^-$	0.040 ^h 4
		1501.8 3	35 3	0.0	$3/2^-$	0.018 ^h 3
1533.91	$5/2^+$	625.0 5	4 2	908.96	$1/2, (3/2)$	
		892.2 4	6 2	640.488	$5/2^-$	
		1329.28 20	100 11	204.902	$3/2^-$	
		1332.6 3	7 2	201.448	$7/2^-$	
		1533.4 8	40 6	0.0	$3/2^-$	0.012 ^h 4
		653.8 4	3 1	891.93	$3/2^-$	
1545.97	$1/2, 3/2$	679.58 17	7 2	866.66	$1/2^-, 3/2^-$	
		729.0 9	≈ 3	816.256	$3/2^-$	
		763.2 9	5 2	782.290	$1/2^-$	
		783.0 9	4 2	762.146	$1/2^-$	
		1341.11 21	30 4	204.902	$3/2^-$	0.053 ^h 5
		1400.19 22	100 5	145.849	$1/2^-$	0.196 ^h 10
		1545.9 5	17 4	0.0	$3/2^-$	0.019 ^h 3
		657.7 3	7 3	891.93	$3/2^-$	
1549.32	$1/2, 3/2$	709.1 4	8 3	840.208	$1/2^-$	
		787.2 7	≈ 3	762.146	$1/2^-$	
		1245.5 9	19 11	303.352	$5/2^-$	
		1344.3 5	55 11	204.902	$3/2^-$	
		1403.43 10	100 7	145.849	$1/2^-$	
		1472.1 6	23 8	77.287	$5/2^-$	
		1549 2	≈ 15	0.0	$3/2^-$	
		672.97 21	7 2	891.93	$3/2^-$	
1564.79	$1/2, 3/2^-$	698.25 22	7 2	866.66	$1/2^-, 3/2^-$	
		748.53 11	32 4	816.256	$3/2^-$	
		760.6 5	2 1	803.369	$3/2^-$	
		782.3 ^{cl}	≈ 4	782.290	$1/2^-$	
		1359.95 12	100 5	204.902	$3/2^-$	0.150 ^h 7
		1418.9 9	6 3	145.849	$1/2^-$	0.025 ^h 8
		1564.7 9	9 3	0.0	$3/2^-$	
		280 1	19 9	1308.22	$3/2^+$	
1589.04	$5/2^+$	772 2	22 17	816.256	$3/2^-$	
		1286 2	34 25	303.352	$5/2^-$	
		1383.97 22	100 22	204.902	$3/2^-$	
		1588.5 6	60 22	0.0	$3/2^-$	
1595.15	$3/2^+$	711 1	4 2	884.10	$7/2^+$	

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ [2008Bo26,2008SuZW,1973PrYV](#) (continued)

 $\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma^{c\%f}$
1595.15	$3/2^+$	833 1	≈ 3	762.146	$1/2^-$	
		1390.2 6	8 4	204.902	$3/2^-$	
1612.87	$3/2^+$	1449.31 12	100 6	145.849	$1/2^-$	0.017^h 4
		641.1 3	10 4	971.91	$5/2^-$	
		704.3 3	8 2	908.96	$1/2, (3/2)$	
		729.2 3	30 4	884.10	$7/2^+$	
		730.9 6	26 4	881.77	$5/2^{(+)}$	
		871.6 3	10 4	741.07	$7/2^+$	
		1309.3 3	20 4	303.352	$5/2^-$	
		1407.9 3	100 9	204.902	$3/2^-$	0.017^h 5
		1466.7 3	42 8	145.849	$1/2^-$	
		1535.8 8	23 4	77.287	$5/2^-$	0.013^h 4
		1612.8 8	53 15	0.0	$3/2^-$	0.025^h 5
1619.21	$3/2^-$	640.0 6	2 1	979.44	$3/2^-$	
		802.7 3	3 1	816.256	$3/2^-$	
		815.0 4	2 1	803.369	$3/2^-$	
		1269.2 7	2 1	350.428	$7/2^-$	
		1414.37 7	100 4	204.902	$3/2^-$	0.436^h 11
		1473.3 4	6 1	145.849	$1/2^-$	0.018^h 5
		1542.0 6	6 2	77.287	$5/2^-$	0.031^h 4
1643.52	$1/2, 3/2$	1619.2 3	17 2	0.0	$3/2^-$	0.063^h 5
		1438.6 3	100 28	204.902	$3/2^-$	
		1497.9 8	40 20	145.849	$1/2^-$	0.023^h 5
		1566.4 9	30 15	77.287	$5/2^-$	
1648.73	$5/2^+$	1643.5 9	23 6	0.0	$3/2^-$	
		340.7 3	58 13	1308.22	$3/2^+$	
		764.5 3	51 10	884.10	$7/2^+$	
		1216.5 4	47 15	432.277	$7/2^-$	
1663.23	$3/2^-$	1345.1 9	100 24	303.352	$5/2^-$	0.035^h 9
		796.7 5	12 5	866.66	$1/2^-, 3/2^-$	
		859.9 5	≈ 8	803.369	$3/2^-$	
		880.95 10	69 9	782.290	$1/2^-$	
		901.0 4	12 5	762.146	$1/2^-$	
		1230.6 6	10 5	432.277	$7/2^-$	
		1360.1 9	10 7	303.352	$5/2^-$	
		1458.6 3	76 10	204.902	$3/2^-$	0.031^h 5
		1517.5 3	100 10	145.849	$1/2^-$	0.044^h 4
		1586.0 6	76 9	77.287	$5/2^-$	0.038^h 4
1674.39	$3/2^{(-)}$	1663.2 9	32 10	0.0	$3/2^-$	
		913.0 8	8 4	762.146	$1/2^-$	

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th } \text{2008Bo26,2008SuZW,1973PrYV (continued)}$
 $\gamma(^{187}\text{W}) \text{ (continued)}$

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%{}^f$
1674.39	$3/2^{(-)}$	1371.43 20	100 11	303.352	$5/2^-$	
		1471.7 4	15 4			
		1472.2 5	94 32	201.448	$7/2^-$	
		1595 2	≈ 28	77.287	$5/2^-$	$0.032^h 4$
1691.88	$3/2^+$	383.88 13	50 5	1308.22	$3/2^+$	
		807.85 10	64 11	884.10	$7/2^+$	
		875.9 3	32 5	816.256	$3/2^-$	
		888.8 3	12 3	803.369	$3/2^-$	
		929.63 24	16 3	762.146	$1/2^-$	
		1051.26 22	17 3	640.488	$5/2^-$	
		1388.4 8	30 9	303.352	$5/2^-$	$0.029^h 8$
		1486.8 4	88 16	204.902	$3/2^-$	$0.022^h 4$
		1614.5 7	50 9	77.287	$5/2^-$	$0.016^h 4$
		1691.8 3	100 17	0.0	$3/2^-$	$0.023^h 3$
1706.05	$1/2, 3/2$	611.9 4	≈ 7	1094.24	$1/2^-, 3/2^-$	
		797.5 5	7 2	908.96	$1/2, (3/2)$	
		865.89 6	84 6	840.208	$1/2^-$	
		1501.2 7	22 6	204.902	$3/2^-$	$0.020^h 4$
		1629 1	≈ 10	77.287	$5/2^-$	$0.009^h 4$
		1706.00 19	100 9	0.0	$3/2^-$	$0.066^h 4$
1711.35	$(3/2^-, 5/2)$	802.8 9	≈ 6	908.96	$1/2, (3/2)$	
		1360.94 15	53 5	350.428	$7/2^-$	
		1634 1	≈ 47	77.287	$5/2^-$	
		1711 1	≈ 100	0.0	$3/2^-$	$0.018^h 3$
1719.26	$3/2^-$	747 2	27 16	971.91	$5/2^-$	
		1287.2 3	100 24	432.277	$7/2^-$	
		1415.8 3	85 22	303.352	$5/2^-$	$0.045^h 9$
		1514.4 4	71 25	204.902	$3/2^-$	
		1573.4 6	≤ 38	145.849	$1/2^-$	
		1641.9 8	54 23	77.287	$5/2^-$	
1726.85	$3/2^-$	708 1	9 3	1018.53	$3/2^-$	
		818.1 8	13 3	908.96	$1/2, (3/2)$	
		887.3 9	12 4	840.208	$1/2^-$	
		910.4 3	≈ 11	816.256	$3/2^-$	
		1086.5 9	11 3	640.488	$5/2^-$	
		1423.4 4	72 13	303.352	$5/2^-$	$0.081^h 10$
		1522.2 3	65 8	204.902	$3/2^-$	$0.078^h 5$
		1524.8 3	14 3	201.448	$7/2^-$	
		1581.17 16	100 11	145.849	$1/2^-$	$0.103^h 7$
		1649 2	≈ 7	77.287	$5/2^-$	$0.015^h 3$

$\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%{}^f$
1726.85	3/2 ⁻	1726.9 9	38 7	0.0	3/2 ⁻	0.039 ^h 4
1728.91	1/2,3/2	416.3 4	20 6	1312.80	3/2 ⁻	
		739.9 8	24 6	989.15	3/2 ⁻	
		913.3 3	28 5	816.256	3/2 ⁻	
		967.0 3	16 6	762.146	1/2 ⁻	
		1425.5 8	62 10	303.352	5/2 ⁻	0.069 ^h 9
		1524.5 8	80 29	204.902	3/2 ⁻	0.067 ^h 5
		1583.5 6	100 12	145.849	1/2 ⁻	0.068 ^h 6
		1651.7 8	20 6	77.287	5/2 ⁻	
		1729.3 7	75 11	0.0	3/2 ⁻	0.046 ^h 4
1734.0		1734.6 [‡]		0.0	3/2 ⁻	0.035 ^h 3
1754.8		1754.8 [‡]		0.0	3/2 ⁻	0.014 ^h 3
1759.57	1/2,3/2	892.9 6	5 3	866.66	1/2 ⁻ ,3/2 ⁻	
		956.3 3	8 3	803.369	3/2 ⁻	
		997.5 4	7 3	762.146	1/2 ⁻	
		1554.4 5	29 10	204.902	3/2 ⁻	
		1613.9 3	100 17	145.849	1/2 ⁻	
1770.89	1/2 ⁻ ,3/2 ⁻	688.6 6	≈7	1082.32	1/2 ⁻ , (3/2)	
		954.7 5	35 6	816.256	3/2 ⁻	
		1566.1 [‡] 6	67 8	204.902	3/2 ⁻	0.029 4
		1771.0 [‡] 5	100 10	0.0	3/2 ⁻	0.038 4
1816.29	3/2 ⁽⁻⁾	1012.6 5	≈13	803.369	3/2 ⁻	
		1054.2 5	22 8	762.146	1/2 ⁻	
		1465.9 3	42 11	350.428	7/2 ⁻	
		1611.5 5	100 24	204.902	3/2 ⁻	
1824.62	3/2 ⁻	1184.4 3	77 33	640.488	5/2 ⁻	
		1622.5 6	11 5	201.448	7/2 ⁻	
		1825 1	100 36	0.0	3/2 ⁻	
1827.2		1827.2 [‡]		0.0	3/2 ⁻	0.010 ^h 4
1845.53	1/2 ⁻ ,3/2	936.3 6	53 15	908.96	1/2,(3/2)	
		1042.0 4	32 11	803.369	3/2 ⁻	
		1083.3 3	84 16	762.146	1/2 ⁻	
		1205.1 3	28 10	640.488	5/2 ⁻	
		1543.8 [‡]		303.352	5/2 ⁻	0.020 ^h 6
		1640.7 7	100 18	204.902	3/2 ⁻	0.024 ^h 4
		1699.4 9	36 15	145.849	1/2 ⁻	
		1845.2 9	≈24	0.0	3/2 ⁻	
1857.83	1/2,3/2	775.4 3	23 6	1082.32	1/2 ⁻ , (3/2)	
		965.7 3	23 6	891.93	3/2 ⁻	
		1017.4 4	23 6	840.208	1/2 ⁻	

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ [2008Bo26,2008SuZW,1973PrYV](#) (continued)

$\gamma(^{187}\text{W})$ (continued)						
$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%^\dagger$
1857.83	1/2,3/2	1711.7 3	100 14	145.849	1/2 ⁻	
1887.74	3/2 ⁻	436.4 4	13 4	1450.85	1/2,(3/2)	
		979.8 5	12 5	908.96	1/2,(3/2)	
		1027.3 3	45 26	860.75	3/2 ⁻	
		1083.9 3	47 14	803.369	3/2 ⁻	
		1124.9 4	100 17	762.146	1/2 ⁻	
		1585.2 [‡]		303.352	5/2 ⁻	0.021 ^h 6
		1687.2 6	13 6	201.448	7/2 ⁻	
		1742.2 7	42 10	145.849	1/2 ⁻	
		1810.1 9	48 21	77.287	5/2 ⁻	
		1887.7 9	33 15	0.0	3/2 ⁻	
1891.10	1/2 ⁽⁻⁾ ,3/2	911.0 8	18 6	979.44	3/2 ⁻	
		998.9 6	23 9	891.93	3/2 ⁻	
		1025.2 6	35 5	866.66	1/2 ⁻ ,3/2 ⁻	
		1050.8 6	31 4	840.208	1/2 ⁻	
		1074.4 8	27 5	816.256	3/2 ⁻	
		1108.5 9	14 3	782.290	1/2 ⁻	
		1588 1	26 6	303.352	5/2 ⁻	0.029 ^h 6
		1686.2 4	100 11	204.902	3/2 ⁻	0.043 ^h 4
		1745.1 9	18 7	145.849	1/2 ⁻	
		1813.8 [‡]		77.287	5/2 ⁻	0.008 ^h 3
		1891 2	23 13	0.0	3/2 ⁻	
1897.2		1897.2 [‡]		0.0	3/2 ⁻	0.017 ^h 4
1905.66	3/2 ⁻	286 1	≈2	1619.21	3/2 ⁻	
		521.4 9	≈3	1384.24	3/2 ⁻	
		926.3 9	5 2	979.44	3/2 ⁻	
		990.9 9	≈5	914.68	5/2 ⁻	
		1013.7 9	7 2	891.93	3/2 ⁻	
		1039.2 9	4 2	866.66	1/2 ⁻ ,3/2 ⁻	
		1052.8 9	4 2	852.41	3/2 ⁻	
		1089.3 7	12 3	816.256	3/2 ⁻	
		1102.1 9	6 3	803.369	3/2 ⁻	
		1123.4 5	20 3	782.290	1/2 ⁻	
		1555.2 9	8 3	350.428	7/2 ⁻	
		1602.5 8	16 3	303.352	5/2 ⁻	0.057 6
		1700.9 3	70 4	204.902	3/2 ⁻	0.154 6
		1759.9 3	100 6	145.849	1/2 ⁻	0.237 8
		1828.2 6	21 3	77.287	5/2 ⁻	0.034 4
		1905.6 5	31 3	0.0	3/2 ⁻	0.056 5
1931.74	1/2 ⁻ ,3/2 ⁻	659.2 ^{&} 5	11 3	1272.39	1/2 ⁻ ,3/2 ⁻	
		848.3 ^{&} 9	≈2	1082.32	1/2 ⁻ ,(3/2)	

$\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%^\dagger$
1931.74	$1/2^-, 3/2^-$	943.1 ^a 4	8 3	989.15	$3/2^-$	
		1022.2 ^{&} 4	7 3	908.96	$1/2, (3/2)$	
		1065.9 ^a 9	8 4	866.66	$1/2^-, 3/2^-$	
		1071.4 ^a 3	62 5	860.75	$3/2^-$	
		1092.3 ^a 9	11 4	840.208	$1/2^-$	
		1115.0 ^{&} 6	22 4	816.256	$3/2^-$	
		1149.2 ^{&} 9	6 3	782.290	$1/2^-$	
		1169.3 ^{&} 3	100 5	762.146	$1/2^-$	
		1292.3 ^a 9	8 4	640.488	$5/2^-$	
		1628.8 ^a 4	39 4	303.352	$5/2^-$	0.041 14
		1726.1 ^{&} 9	24 7	204.902	$3/2^-$	0.042 5
		1728.6 ^a 9	18 6	201.448	$7/2^-$	
		1784.8 ^{&} 7	37 17			
		1786.8 ^a 7	32 18	145.849	$1/2^-$	
		1932.5 ^a 6	34 4	0.0	$3/2^-$	
1936.86	$3/2^-$	719.9 5	40 7	1217.127	$3/2^-$	
		947.5 8	19 8	989.15	$3/2^-$	
		957.7 8	18 8	979.44	$3/2^-$	
		965.3 6	28 9	971.91	$5/2^-$	
		976.5 9	21 9	960.57	$5/2^-$	
		1070.3 4	29 6	866.66	$1/2^-, 3/2^-$	
		1084.8 4	15 8	852.41	$3/2^-$	
		1096.8 7	13 7	840.208	$1/2^-$	
		1120.6 4	51 9	816.256	$3/2^-$	
		1154.7 6	23 5	782.290	$1/2^-$	
		1161.4 9	14 5	775.62	$7/2^-$	
		1175.2 4	25 6	762.146	$1/2^-$	
		1296.5 3	91 10	640.488	$5/2^-$	
		1505 1	29 9	432.277	$7/2^-$	
		1586.5 4	49 11	350.428	$7/2^-$	
		1633.5 3	100 13	303.352	$5/2^-$	0.080 ^h 7
		1731.9 9	41 16	204.902	$3/2^-$	0.020 ^h 4
		1791.0 9	30 16	145.849	$1/2^-$	0.013 ^h 4
1943.80	(3/2)	1859.5 7	81 12	77.287	$5/2^-$	0.038 ^h 4
		1937.0 8	64 13	0.0	$3/2^-$	0.022 ^h 4
		570 1	18 7	1373.61	$3/2^+$	
		613.0 3	100 20	1330.91	$3/2^+$	
		1640.6 5	72 24	303.352	$5/2^-$	0.029 ^h 6
1950.27	$(1/2^-), 3/2$	1041.2 8	22 5	908.96	$1/2, (3/2)$	
		1083 1	≈ 8	866.66	$1/2^-, 3/2^-$	

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ [2008Bo26,2008SuZW,1973PrYV](#) (continued)

 $\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ ^{$\dagger$}	I_γ ^{$\dagger$}	E_f	J_f^π	$I_\gamma\%$ ^{f}
1950.27	(1/2 ⁻),3/2	1147.2 6	18 6	803.369	3/2 ⁻	
		1188.3 9	10 6	762.146	1/2 ⁻	
		1647.0 3	100 18	303.352	5/2 ⁻	0.063 ^{h} 7
		1873.0 8	20 13	77.287	5/2 ⁻	
		1950 2	≤8	0.0	3/2 ⁻	
1956.21	(1/2 ⁻),3/2 ⁻	995.5 5	34 6	960.57	5/2 ⁻	
		1041.6 5	42 9	914.68	5/2 ⁻	
		1093.2 7	44 13	863.33	5/2 ⁻	
		1115.9 5	18 5	840.208	1/2 ⁻	
		1140.0 3	93 7	816.256	3/2 ⁻	
		1152.7 3	12 5	803.369	3/2 ⁻	
		1174.1 5	19 6	782.290	1/2 ⁻	
		1193.9 3	14 4	762.146	1/2 ⁻	
		1316 1	15 5	640.488	5/2 ⁻	
		1652.9 3	84 8	303.352	5/2 ⁻	0.093 ^{h} 8
		1751.4 7	39 7	204.902	3/2 ⁻	0.024 ^{h} 5
		1810.1 9	19 6	145.849	1/2 ⁻	
		1878.9 5	64 8	77.287	5/2 ⁻	0.035 ^{h} 4
		1956.3 4	100 10	0.0	3/2 ⁻	0.060 ^{h} 5
		1816.4 ^{$\ddagger$}		145.849	1/2 ⁻	0.017 ^{h} 5
		1884.7 ^{$\ddagger$}		77.287	5/2 ⁻	0.014 ^{h} 4
		1965.9 ^{$\ddagger$}		0.0	3/2 ⁻	0.010 ^{h} 4
1961.81						
1965.9						
1973.65	3/2	599.8 8	11 ^{e} 3	1373.61	3/2 ⁺	
		625.0 ^{$\&$} 8	11 4	1347.56	1/2 ⁻	
		879.7 ^{a} 7	26 6	1094.24	1/2 ⁻ ,3/2 ⁻	
		891.7 ^{a} 6	16 3	1082.32	1/2 ⁻ , (3/2)	
		995 ^{a} 1	18 4	979.44	3/2 ⁻	
		1002 ^{a} 1	17 4	971.91	5/2 ⁻	
		1063.7 ^{$\&$} 7	16 5	910.5		
		1089.7 ^{a} 6	8 3	884.10	7/2 ⁺	
		1113.5 ^{a} 4	25 5	860.75	3/2 ⁻	
		1133.5 4	60 ^{e} 5	840.208	1/2 ⁻	
		1158.0 ^{a} 4	38 5	816.256	3/2 ⁻	
		1169.3 ^{$\&$} 3	57 7	803.369	3/2 ⁻	
		1210.7 ^{$\&$} 3	64 5	762.146	1/2 ⁻	
		1670.0 5	17 ^{e} 7	303.352	5/2 ⁻	0.039 ^{h} 6
		1769.4 ^{a} 7	53 9	204.902	3/2 ⁻	0.022 ^{h} 5
		1825 ^{$\&$} 1	24 9			

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ [2008Bo26,2008SuZW,1973PrYV](#) (continued)

 $\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%{}^f$
1973.65	3/2	1828.5 ^a 7	62 9	145.849	1/2 ⁻	0.050 ^h 5
		1896.7 ^a 5	100 8	77.287	5/2 ⁻	0.070 ^h 5
		1974.0 ^a 5	74 8	0.0	3/2 ⁻	0.039 ^h 4
1980.56	3/2 ⁺	992.0 8	23 10	989.15	3/2 ⁻	
		1020.3 6	16 5	960.57	5/2 ⁻	
		1071.7 4	10 3	908.96	1/2,(3/2)	
		1096.7 4	22 3	884.10	7/2 ⁺	
		1164.6 4	29 6	816.256	3/2 ⁻	
		1218.8 3	28 4	762.146	1/2 ⁻	
		1677.5 6	100 15	303.352	5/2 ⁻	0.074 ^h 7
		1775.5 9	≤14	204.902	3/2 ⁻	
		1980.4 9	37 13	0.0	3/2 ⁻	
		546.6 9	5 2	1450.85	1/2,(3/2)	
1997.11	3/2 ⁻	729.8 7	8 2	1267.49	5/2 ⁻ , (7/2 ⁻)	
		862.0 3	48 3	1135.18	3/2 ⁻	
		979 1	≈2	1018.53	3/2 ⁻	
		1017.7 3	30 4	979.44	3/2 ⁻	
		1025.2 3	30 3	971.91	5/2 ⁻	
		1037.3 9	5 2	960.57	5/2 ⁻	
		1082.5 8	11 2	914.68	5/2 ⁻	
		1105.3 3	33 2	891.93	3/2 ⁻	
		1130.6 5	18 2	866.66	1/2 ⁻ , 3/2 ⁻	
		1134.2 4	26 3	863.33	5/2 ⁻	
		1156.9 3	32 3	840.208	1/2 ⁻	
		1180.9 3	30 3	816.256	3/2 ⁻	
		1214.9 3	17 2	782.290	1/2 ⁻	
		1564.8 3	39 4	432.277	7/2 ⁻	
		1646.7 3	31 3	350.428	7/2 ⁻	
		1693.9 8	13 2	303.352	5/2 ⁻	0.054 ^h 7
		1792.3 3	100 4	204.902	3/2 ⁻	0.199 ^h 8
		1851.2 5	10 4	145.849	1/2 ⁻	0.016 ^h 5
		1920.0 4	60 3	77.287	5/2 ⁻	0.088 ^h 5
		1997.1 5	35 2	0.0	3/2 ⁻	0.056 ^h 5
2014.4		1868.5 [‡]		145.849	1/2 ⁻	0.022 ^h 5
2023.22	3/2 ⁽⁺⁾	715.0 7	30 10	1308.22	3/2 ⁺	
		1107.7 6	40 16	914.68	5/2 ⁻	
		1281.0 9	40 16	741.07	7/2 ⁺	
		1718.6 5	100 24	303.352	5/2 ⁻	
		1817.4 9	41 19	204.902	3/2 ⁻	
		1878 2	60 23	145.849	1/2 ⁻	
		2023 2	48 24	0.0	3/2 ⁻	

$\gamma(^{187}\text{W})$ (continued)							Comments
$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%{}^f$	
2029.7		1726.4 ‡		303.352	5/2 $^-$	0.024 h 6	
2044.60	1/2 $^-$, 3/2 $^-$	1055.6 4	27 8	989.15	3/2 $^-$		
		1083.5 9	≤ 8	960.57	5/2 $^-$		
		1129.8 9	18 10	914.68	5/2 $^-$		
		1135.7 4	38 10	908.96	1/2, (3/2)		
		1241.4 3	26 9	803.369	3/2 $^-$		
		1741.4 9	40 10	303.352	5/2 $^-$	0.047 h 6	
		1839.8 9	23 8	204.902	3/2 $^-$		
		1898.7 9	≤ 28	145.849	1/2 $^-$		
		1967.5 6	100 13	77.287	5/2 $^-$	0.039 h 5	
		2044.8 6	66 12	0.0	3/2 $^-$	0.120 g 16	
2059.0	1/2, 3/2	1854.1 9	56 20	204.902	3/2 $^-$	0.012 h 5	
		1913.5 9	≈ 28	145.849	1/2 $^-$		
		1981.8 8	100 30	77.287	5/2 $^-$	0.021 h 5	
2062.1	1/2, 3/2	1984.9 9	100 40	77.287	5/2 $^-$	0.011 h 4	
		2061.7 9	≈ 80	0.0	3/2 $^-$		
2063.07	1/2, 3/2	1153.9 3	125 40	908.96	1/2, (3/2)		I_γ : part of intensity is due to contribution by γ -ray de-exciting the 2061.7 level.
		1260.1 9	68 24	803.369	3/2 $^-$		
		1759.7 6	91 35	303.352	5/2 $^-$		I_γ : part of intensity is due to contribution by γ -ray de-exciting the 2061.7 level.
		1986.7 9	≈ 32	77.287	5/2 $^-$		
		2063.6 9	100 30	0.0	3/2 $^-$		
2070.08	1/2, 3/2	618.1 b 4	9 4	1450.85	1/2, (3/2)		
		1766.1 b 8	30 12	303.352	5/2 $^-$	0.020 h 6	
		1924.8 a 3	100 26	145.849	1/2 $^-$	0.016 h 5	
		2070.5 9	≤ 13	0.0	3/2 $^-$	0.010 h 4	
2083.5		1937.6 ‡		145.849	1/2 $^-$	0.025 h 5	
2090.33	1/2 $^-$, 3/2 $^-$	1287.0 7	7 2	803.369	3/2 $^-$		
		1328.4 3	18 3	762.146	1/2 $^-$		
		1449.9 6	20 6	640.488	5/2 $^-$		
		1786 2	≤ 4	303.352	5/2 $^-$	0.032 h 7	
		1885.4 5	34 10	204.902	3/2 $^-$	0.057 h 5	
		1944.9 9	13 3	145.849	1/2 $^-$	0.035 h 6	
		2013.3 9		77.287	5/2 $^-$	0.033 14	E_γ : from table 1 of 2008Bo26 , not in authors' table 2.
		2090.4 3	100 5	0.0	3/2 $^-$	0.18 6	
2117.28	1/2, 3/2	1256.9 5	24 6	860.75	3/2 $^-$		
		1314.2 9	12 5	803.369	3/2 $^-$		
		1335.3 6	20 5	782.290	1/2 $^-$		
		1355.5 4	34 5	762.146	1/2 $^-$		
		1814 1	40 7	303.352	5/2 $^-$	0.051 h 8	
		1912.8 9	18 11	204.902	3/2 $^-$		

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ **2008Bo26,2008SuZW,1973PrYV (continued)**
 $\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_{\gamma\%}^f$
2117.28	1/2,3/2	1971.7 9	28 5	145.849	1/2 ⁻	
		2117.6 5	100 11	0.0	3/2 ⁻	0.089 ^g 7
2124.32	1/2,3/2	1919.5 5	54 13	204.902	3/2 ⁻	0.024 ^h 5
		1978.6 6	100 12	145.849	1/2 ⁻	0.029 ^h 6
		2048 1	35 12	77.287	5/2 ⁻	0.027 11
		2124.5 8	54 11	0.0	3/2 ⁻	
2130.0		1925.1 [‡]		204.902	3/2 ⁻	0.029 ^h 5
2136.7	1/2,3/2	1147 1	77 14	989.15	3/2 ⁻	
		2059.7 9	54 17	77.287	5/2 ⁻	
		2136.9 9	100 19	0.0	3/2 ⁻	
2138.67	1/2,3/2	1335.6 4	17 7	803.369	3/2 ⁻	
		1934.0 9	24 7	204.902	3/2 ⁻	0.016 ^h 5
		1993.3 9	19 7	145.849	1/2 ⁻	
		2062.1 9	23 11	77.287	5/2 ⁻	0.021 ^h 4
		2139.1 4	100 14	0.0	3/2 ⁻	0.119 12
2142.59	1/2,3/2	641.0 3	30 14	1501.85	3/2 ⁺	
		1937.4 [‡]		204.902	3/2 ⁻	0.014 ^h 5
		1997.9 9	100 37	145.849	1/2 ⁻	
		2064.2 9	87 37	77.287	5/2 ⁻	0.09 ^g 3
2150.31	1/2,3/2	1170.1 9	27 9	979.44	3/2 ⁻	
		1847.2 6	25 10	303.352	5/2 ⁻	0.029 ^h 8
		1945.6 4	100 17	204.902	3/2 ⁻	0.040 ^h 5
		2004.6 7	77 18	145.849	1/2 ⁻	0.038 ^h 6
		2151 2	8 4	0.0	3/2 ⁻	
2153.42	1/2,3/2	1181.6 5	47 15	971.91	5/2 ⁻	
		1286.8 9	≈40	866.66	1/2 ⁻ , 3/2 ⁻	
		1371.4 4	88 17	782.290	1/2 ⁻	
		1390.4 9	37 11	762.146	1/2 ⁻	
		1851 2	22 10	303.352	5/2 ⁻	
		1948.7 9	53 21	204.902	3/2 ⁻	
		2076.2 7	100 22	77.287	5/2 ⁻	0.088 ^g 10
		2153.4 9	81 22	0.0	3/2 ⁻	0.053 ^g 12
2168.9	1/2,3/2	1866 1	30 8	303.352	5/2 ⁻	
		1964.2 8	42 14	204.902	3/2 ⁻	
		2022.9 4	65 14	145.849	1/2 ⁻	0.064 ^g 6
		2091.5 8	77 17	77.287	5/2 ⁻	0.015 ^h 5
		2168.9 6	100 18	0.0	3/2 ⁻	0.071 ^g 12
2172.2	1/2,3/2	841.1 3	50 17	1330.91	3/2 ⁺	
		1868.8 9	≈30	303.352	5/2 ⁻	
		2026.6 6	100 56	145.849	1/2 ⁻	
2180.47	1/2,3/2	1975.9 9	100 29	204.902	3/2 ⁻	0.019 ^h 5

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ **2008Bo26,2008SuZW,1973PrYV** (continued)

 $\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I\gamma^{cf}$
2180.47	1/2,3/2	2035.0 9	86 35	145.849	1/2 ⁻	
2194.8		2194.8 3		0.0	3/2 ⁻	0.073 ^g 7
2198.5	1/2,3/2	1358.3 7	≈18	840.208	1/2 ⁻	
		1394.7 8	66 14	803.369	3/2 ⁻	
		1896 2	34 17	303.352	5/2 ⁻	
		2198.4 6	100 27	0.0	3/2 ⁻	0.153 8
2203.9		2004.3 [‡]		201.448	7/2 ⁻	0.011 ^h 4
2208.37	1/2,3/2	2003.5 9	40 23	204.902	3/2 ⁻	
		2062.3 3	100 25	145.849	1/2 ⁻	0.10 ^g 3
		2209.2 [‡]		0.0	3/2 ⁻	0.016 ^h 4
2228.60	1/2,3/2	1412.7 7	45 10	816.256	3/2 ⁻	
		2083.1 4	46 13	145.849	1/2 ⁻	0.143 ^g 13
		2151.7 7	100 12	77.287	5/2 ⁻	0.146 ^g 12
		2229.1 9	≈10	0.0	3/2 ⁻	
2232.83	1/2,3/2	1341.1 9	≈13	891.93	3/2 ⁻	
		1416.4 6	30 10	816.256	3/2 ⁻	
		1470.6 4	16 3	762.146	1/2 ⁻	
		2028.3 3	100 14	204.902	3/2 ⁻	0.152 ^g 19
		2087.2 9	39 13	145.849	1/2 ⁻	
2234.6		2088.7 [‡]		145.849	1/2 ⁻	0.015 ^h 6
2241.66	1/2 ⁻ ,3/2 ⁻	244.9 9	6 2	1997.11	3/2 ⁻	
		1401.3 6	7 3	840.208	1/2 ⁻	
		1460 2	6 3	782.290	1/2 ⁻	
		1482 2	6 3	762.146	1/2 ⁻	
		1938.4 4	26 4	303.352	5/2 ⁻	0.116 ^h 10
		2036.9 3	75 5	204.902	3/2 ⁻	0.176 13
		2095.9 3	100 6	145.849	1/2 ⁻	0.170 18
		2242 2	7 3	0.0	3/2 ⁻	
2258.2		2180.8 [‡]		77.287	5/2 ⁻	0.020 ^h 4
		2258.2 [‡]		0.0	3/2 ⁻	0.024 ^h 6
2260.12	1/2 ⁻ ,3/2 ⁻	647.3 3	51 4	1612.87	3/2 ⁺	
		665.0 4	45 11	1595.15	3/2 ⁺	
		714.4 3	59 4	1545.97	1/2,3/2	
		1407.6 9	≤7	852.41	3/2 ⁻	
		1420.0 9	≈10	840.208	1/2 ⁻	
		1443.9 9	17 6	816.256	3/2 ⁻	
		1477.9 3	16 5	782.290	1/2 ⁻	
		1498.0 3	23 6	762.146	1/2 ⁻	
		1957 2	≈8	303.352	5/2 ⁻	
		2054.8 9	24 6	204.902	3/2 ⁻	0.027 11
		2114.2 9	14 5	145.849	1/2 ⁻	
		2182.8 9	16 5	77.287	5/2 ⁻	

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ **2008Bo26,2008SuZW,1973PrYV** (continued)

$\gamma(^{187}\text{W})$ (continued)							Comments
$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%{}^f$	
2260.12	1/2 ⁻ ,3/2 ⁻	2260.0 5	100 10	0.0	3/2 ⁻	0.064 8	
2266.8		1963.5 [‡]		303.352	5/2 ⁻	0.033 ^h 8	
2269.1		2064.2 [‡]		204.902	3/2 ⁻	0.013 ^h 4	
2272.6	1/2,3/2	2067.5 9	≈14	204.902	3/2 ⁻		
		2126.3 9	41 19	145.849	1/2 ⁻	0.077 ^g 7	
		2272.7 9	100 20	0.0	3/2 ⁻	0.118 ^g 16	
2275.89	1/2 ⁻ ,3/2 ⁻	861.1 5	34 4	1415.24	3/2 ⁻		
		928.5 8	19 3	1347.56	1/2 ⁻		
		1059 1	≈20	1217.127	3/2 ⁻		I_γ : corrected for coincidence with γ -ray from 1135 level.
		1140.9 8	20 5	1135.18	3/2 ⁻		
		1384.1 3	100 6	891.93	3/2 ⁻		
		1409.2 4	17 5	866.66	1/2 ⁻ ,3/2 ⁻		
		1435.0 5	21 6	840.208	1/2 ⁻		
		1973 2	≈9	303.352	5/2 ⁻		
		2071.3 4	89 6	204.902	3/2 ⁻	0.079 7	
		2199 2	11 7	77.287	5/2 ⁻	0.017 ^h 4	
		2276.1 9	31 7	0.0	3/2 ⁻	0.056 ^g 12	
2281.7	1/2,3/2	1979 2	55 19	303.352	5/2 ⁻		I_γ : normalized to 737.5 γ from 2283.4 level.
		2135.6 9	69 18	145.849	1/2 ⁻	0.044 ^g 9	I_γ : normalized to 737.5 γ from 2283.4 level.
		2204.4 9	42 19	77.287	5/2 ⁻	0.015 8	I_γ : normalized to 737.5 γ from 2283.4 level.
2283.10	1/2,3/2	737.5 5	100 14	1545.97	1/2,3/2		
		2079.4 9	≈15	204.902	3/2 ⁻		
		2137.6 9	88 19	145.849	1/2 ⁻	0.134 ^g 12	
		2283.5 9	≈17	0.0	3/2 ⁻		
2287.8		2083.1 [‡]		204.902	3/2 ⁻	0.035 ^h 5	
2293.12	1/2,3/2	1476.4 5	62 23	816.256	3/2 ⁻		
		2088.8 9	100 23	204.902	3/2 ⁻	0.18 ^g 7	
		2293.1 9	51 18	0.0	3/2 ⁻		
2296.5		2296.5 [‡]		0.0	3/2 ⁻	0.018 ^h 4	
2300.0		2095.1 [‡]		204.902	3/2 ⁻	0.015 ^h 5	
2301.9	1/2,3/2	2156 1	46 27	145.849	1/2 ⁻		
		2302 1	100 30	0.0	3/2 ⁻	0.047 ^g 11	
2306.45	1/2,3/2	1439.5 6	38 9	866.66	1/2 ⁻ ,3/2 ⁻		
		1524 1	52 15	782.290	1/2 ⁻		
		2102 1	64 13	204.902	3/2 ⁻	0.094 ^g 14	E_γ : From Table 2. E=2100.23 16 in Table 1 (2008Bo26).
		2160.4 4	100 17	145.849	1/2 ⁻	0.071 ^g 9	
		2229 1	61 21	77.287	5/2 ⁻	0.014 ^h 4	E_γ : In 2008SuZW 2229 γ is placed from 2306.9 keV level.
2315.43	1/2,3/2	769.7 9	43 16	1545.97	1/2,3/2		
		1400 1	46 23	914.68	5/2 ⁻		
		1421 1	40 15				
		1423 1	≈21	891.93	3/2 ⁻		
		1449 1	51 20	866.66	1/2 ⁻ ,3/2 ⁻		

$\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%{}^f$
2315.43	1/2,3/2	2111.3 9	100 21	204.902	3/2 ⁻	0.074 ^g 18
		2170 2	$\approx$ 11	145.849	1/2 ⁻	
		2316 1	73 23	0.0	3/2 ⁻	0.065 ^g 14
2322.3	1/2,3/2	1014.3 7	24 11	1308.22	3/2 ⁺	
		2019 1	28 12	303.352	5/2 ⁻	0.042 ^g 6
		2118 2	15 8	204.902	3/2 ⁻	
		2176 1	36 11	145.849	1/2 ⁻	
		2322.0 8	100 12	0.0	3/2 ⁻	0.047 ^h 4
2344.43	1/2,3/2	1127.5 6	44 15	1217.127	3/2 ⁻	
		1452.6 7	41 21	891.93	3/2 ⁻	
		1478.0 5	41 17	866.66	1/2 ⁻ ,3/2 ⁻	
		1528 2	29 18	816.256	3/2 ⁻	
		1562 1	58 18	782.290	1/2 ⁻	
		1583 2	$\approx$ 22	762.146	1/2 ⁻	
		2139 1	86 19	204.902	3/2 ⁻	0.048 ^h 5
		2198.6 3	100 16	145.849	1/2 ⁻	0.036 ^h 5
		2266 1	56 17	77.287	5/2 ⁻	0.014 ^h 4
		2344 1	81 19	0.0	3/2 ⁻	0.018 ^h 4
2346.6		2346.6 [‡]		0.0	3/2 ⁻	0.009 ^h 4
2352.02	1/2 ⁻ ,3/2 ⁻	1135.1 5	13 4	1217.127	3/2 ⁻	
		1333.6 9	18 6	1018.53	3/2 ⁻	
		1485.5 3	100 7	866.66	1/2 ⁻ ,3/2 ⁻	
		1511.8 3	36 7	840.208	1/2 ⁻	
		1536.0 3	56 7	816.256	3/2 ⁻	
		1548.2 6	22 6	803.369	3/2 ⁻	
		1569.7 3	27 7	782.290	1/2 ⁻	
		2147.6 9	20 6	204.902	3/2 ⁻	0.054 ^g 25
		2206 2	14 6	145.849	1/2 ⁻	
		2273 2	18 8	77.287	5/2 ⁻	
		2352 3	$\approx$ 5	0.0	3/2 ⁻	0.012 ^h 4
2356.79		2210.87 12		145.849	1/2 ⁻	0.112 ^g 23
2367.5		2162.6 [‡]		204.902	3/2 ⁻	0.021 ^h 5
		2221.7 [‡]		145.849	1/2 ⁻	0.029 ^h 5
2370.0		2224.4 [‡]		145.849	1/2 ⁻	0.035 ^h 5
		2292.7 [‡]		77.287	5/2 ⁻	0.032 ^h 5
		2371.4 13		0.0	3/2 ⁻	0.04 3
2375.1		2229.3 [‡]		145.849	1/2 ⁻	0.020 ^h 5
2381.14		2176.18 22		204.902	3/2 ⁻	0.089 ^g 18
2385.4		2239.5 4		145.849	1/2 ⁻	0.061 ^g 12
2393.8		2248.4 [‡]		145.849	1/2 ⁻	0.020 ^h 5

$\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%$ ^f	$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	E_f	J_f^π	$I_\gamma\%$ ^f
2399.3		2322.0 [‡]	77.287	5/2 ⁻	0.020 ^h 4	2514.57		2515.5 4	0.0	3/2 ⁻	0.076 ^g 11
2411.40		2108.1 7	303.352	5/2 ⁻	0.083 ^g 20	2528.33		2322.8 [‡]	204.902	3/2 ⁻	0.101 ^h 7
		2265.7 [‡]	145.849	1/2 ⁻	0.022 ^h 5			2381.9 [‡]	145.849	1/2 ⁻	0.018 ^h 5
		2333.5 13	77.287	5/2 ⁻	0.048 17			2451.7 3	77.287	5/2 ⁻	0.106 ^g 11
2415.19		2210.0 [‡]	204.902	3/2 ⁻	0.019 ^h 5			2527.6 [‡]	0.0	3/2 ⁻	0.015 ^h 4
		2269.1 [‡]	145.849	1/2 ⁻	0.034 ^h 5	2531.7		2326.8 [‡]	204.902	3/2 ⁻	0.014 ^h 5
		2337.4 [‡]	77.287	5/2 ⁻	0.013 ^h 4			2385.9 [‡]	145.849	1/2 ⁻	0.029 ^h 6
		2414.9 3	0.0	3/2 ⁻	0.072 ^g 8			2454.2 [‡]	77.287	5/2 ⁻	0.027 ^h 4
2426.88		2123.5 [‡]	303.352	5/2 ⁻	0.022 ^h 7	2534.1		2388.6 3	145.849	1/2 ⁻	0.047 7
		2222.0 [‡]	204.902	3/2 ⁻	0.029 ^h 5			2455.8 5	77.287	5/2 ⁻	0.058 ^g 12
2429.5		2283.6 [‡]	145.849	1/2 ⁻	0.020 ^h 6	2545.8		2242.3 [‡]	303.352	5/2 ⁻	0.064 ^h 7
2433.9		2228.9 3	204.902	3/2 ⁻	0.119 ^g 16	2552.54		2248.88 16	303.352	5/2 ⁻	0.126 ^g 10
2436.2		2290.3 [‡]	145.849	1/2 ⁻	0.028 ^h 6			2475.8 [‡]	77.287	5/2 ⁻	0.011 ^h 4
2438.3		2292.6 [‡]	145.849	1/2 ⁻	0.025 ^h 6			2553.2 [‡]	0.0	3/2 ⁻	0.066 ^h 5
		2360.9 [‡]	77.287	5/2 ⁻	0.012 ^h 4	2556.36		2252.9 [‡]	303.352	5/2 ⁻	0.067 ^h 8
2447.91		2242.75 15	204.902	3/2 ⁻	0.025 ^g 5			2410.5 [‡]	145.849	1/2 ⁻	0.023 ^h 5
2457.4		2457.6 [‡]	0.0	3/2 ⁻	0.024 ^h 4	2558.9		2480.2 [‡]	77.287	5/2 ⁻	0.011 ^h 4
2461.11		2157.7 4	303.352	5/2 ⁻	0.097 ^g 9	2562.4		2562.4 [‡]	0.0	3/2 ⁻	0.024 ^h 4
		2256.8 [‡]	204.902	3/2 ⁻	0.028 ^h 5	2564.05		2361.8 3	201.448	7/2 ⁻	0.069 ^g 11
		2315.9 [‡]	145.849	1/2 ⁻	0.017 ^h 5			2487.3	77.287	5/2 ⁻	0.014 ^h 4
2471.12		2266.1 [‡]	204.902	3/2 ⁻	0.029 ^h 5			2563.63 24	0.0	3/2 ⁻	0.086 ^g 10
		2325.2 [‡]	145.849	1/2 ⁻	0.025 ^h 5	2571.6		2268.3 [‡]	303.352	5/2 ⁻	0.029 ^h 7
		2394.8 5	77.287	5/2 ⁻	0.039 15			2425.9 [‡]	145.849	1/2 ⁻	0.017 ^h 5
2476.3		2172.9 4	303.352	5/2 ⁻	0.059 ^g 9	2574.0		2369.1 [‡]	204.902	3/2 ⁻	0.020 ^h 5
2485.02		2181.44 13	303.352	5/2 ⁻	0.131 ^g 12	2583.90		2377.4 4	204.902	3/2 ⁻	0.049 ^g 16
		2283.93 14	201.448	7/2 ⁻	0.12 ^g 3	2589.87		2513.1 [‡]	77.287	5/2 ⁻	0.014 ^h 4
		2484.3 3	0.0	3/2 ⁻	0.158 ^g 23			2589.95 15	0.0	3/2 ⁻	0.124 ^g 9
2492.14		2287.2 [‡]	204.902	3/2 ⁻	0.043 ^h 6	2600.8		2298.2 6	303.352	5/2 ⁻	0.073 ^g 13
		2346.3 3	145.849	1/2 ⁻	0.153 ^g 13			2395.8 [‡]	204.902	3/2 ⁻	0.023 ^h 5
		2414.6 [‡]	77.287	5/2 ⁻	0.021 ^h 4	2606.5		2606.9 [‡]	0.0	3/2 ⁻	0.021 ^h 5
		2492.6 6	0.0	3/2 ⁻	0.068 ^g 15	2613.63		2408.71 17	204.902	3/2 ⁻	0.096 ^g 11
2496.9		2291.7 6	204.902	3/2 ⁻	0.15 ^g 4	2617.84		2472.2 6	145.849	1/2 ⁻	0.19 6
		2419.8 [‡]	77.287	5/2 ⁻	0.012 ^h 4			2617.75 23	0.0	3/2 ⁻	0.179 16
2503.4		2503.1 [‡]	0.0	3/2 ⁻	0.009 ^h 4	2624.11		2419.6 3	204.902	3/2 ⁻	0.143 ^g 14
2509.4		2363.5 [‡]	145.849	1/2 ⁻	0.030 ^h 5			2624.0 [‡]	0.0	3/2 ⁻	0.016 ^h 4
2511.67		2511.74 24	0.0	3/2 ⁻	0.033 ^g 5	2627.58		2324.6 [‡]	303.352	5/2 ⁻	0.039 ^h 8
2514.57		2210.7 [‡]	303.352	5/2 ⁻	0.027 ^h 7			2422.63 18	204.902	3/2 ⁻	0.178 ^g 14
		2368.8 6	145.849	1/2 ⁻	0.06 ^g 3			2481.58 22	145.849	1/2 ⁻	0.245 ^g 23

$\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	E_f	J_f^π	$I\gamma\%{}^f$	$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	E_f	J_f^π	$I\gamma\%{}^f$
2627.58		2627.1 8	0.0	3/2 ⁻	0.036 14	2759.2		2554.3 [‡]	204.902	3/2 ⁻	0.031 ^h 5
2636.2		2332.9 [‡]	303.352	5/2 ⁻	0.035 ^h 8			2613.4 [‡]	145.849	1/2 ⁻	0.028 ^h 5
		2636.2 [‡]	0.0	3/2 ⁻	0.031 ^h 5	2762.50		2617.6 [‡]	145.849	1/2 ⁻	0.014 ^h 5
2636.37		2431.45 13	204.902	3/2 ⁻	0.257 ^g 11	2778.3		2573.4 [‡]	204.902	3/2 ⁻	0.014 ^h 5
2640.8		2563.5 [‡]	77.287	5/2 ⁻	0.012 ^h 4	2780.98		2576.2 [‡]	204.902	3/2 ⁻	0.024 ^h 5
2647.44		2442.71 18	204.902	3/2 ⁻	0.088 ^g 11			2635.3 [‡]	145.849	1/2 ⁻	0.020 ^h 5
		2568.8 [‡]	77.287	5/2 ⁻	0.022 ^h 4			2703.6 [‡]	77.287	5/2 ⁻	0.011 ^h 4
2650.5		2347.1 [‡]	303.352	5/2 ⁻	0.040 ^h 9			2781.0 [‡]	0.0	3/2 ⁻	0.047 ^h 5
2653.5		2349.6 17	303.352	5/2 ⁻	0.149 ^g 13	2796.6		2591.9 [‡]	204.902	3/2 ⁻	0.016 ^h 5
		2576.8 [‡]	77.287	5/2 ⁻	0.012 ^h 4			2651.0 [‡]	145.849	1/2 ⁻	0.018 ^h 5
2661.04		2660.7 [‡]	0.0	3/2 ⁻	0.028 ^h 4	2805.91		2601.5 [‡]	204.902	3/2 ⁻	0.063 ^h 5
2678.8		2375.5 [‡]	303.352	5/2 ⁻	0.027 ^h 8	2833.6		2530.0 [‡]	303.352	5/2 ⁻	0.024 ^h 8
		2474.0 [‡]	204.902	3/2 ⁻	0.012 ^h 4	2834.8		2689.1 [‡]	145.849	1/2 ⁻	0.044 ^h 6
		2601.4 [‡]	77.287	5/2 ⁻	0.020 ^h 4			2757.4 [‡]	77.287	5/2 ⁻	0.014 ^h 5
2680.48		2681.3 [‡]	0.0	3/2 ⁻	0.040 ^h 5	2837.52		2534.3 [‡]	303.352	5/2 ⁻	0.024 ^h 8
2685.6		2481.5 [‡]	204.902	3/2 ⁻	0.014 ^h 5			2691.9 [‡]	145.849	1/2 ⁻	0.021 ^h 6
2689.63		2689.80 ⁱ 18	0.0	3/2 ⁻	0.165 ^g 12			2760.2 [‡]	77.287	5/2 ⁻	0.022 ^h 4
2697.42		2699.6 [‡]	0.0	3/2 ⁻	0.044 ^h 5	2871.1		2666.5 [‡]	204.902	3/2 ⁻	0.018 ^h 5
2706.40		2707.1 [‡]	0.0	3/2 ⁻	0.075 ^h 6			2871.3 [‡]	0.0	3/2 ⁻	0.009 ^h 4
2714.5		2509.6 [‡]	204.902	3/2 ⁻	0.024 ^h 5	2882.32		2677.4 [‡]	204.902	3/2 ⁻	0.026 ^h 5
		2637.0 [‡]	77.287	5/2 ⁻	0.014 ^h 4			2736.5 [‡]	145.849	1/2 ⁻	0.073 ^h 7
2717.38		2572.0 [‡]	145.849	1/2 ⁻	0.019 ^h 7			2804.8 [‡]	77.287	5/2 ⁻	0.013 ^h 4
		2717.7 [‡]	0.0	3/2 ⁻	0.032 ^h 5			2882.2 [‡]	0.0	3/2 ⁻	0.076 ^h 6
2722.15		2419.3 [‡]	303.352	5/2 ⁻	0.033 ^h 9	2896.7		2691.6 [‡]	204.902	3/2 ⁻	0.013 ^h 5
		2576.9 [‡]	145.849	1/2 ⁻	0.020 ^h 5			2750.7 [‡]	145.849	1/2 ⁻	0.052 ^h 7
		2645.2 [‡]	77.287	5/2 ⁻	0.035 ^h 4	2909.73		2606.09 16	303.352	5/2 ⁻	0.070 ^g 6
2725.7		2520.8 [‡]	204.902	3/2 ⁻	0.135 12			2704.9 [‡]	204.902	3/2 ⁻	0.020 ^h 5
2728.2		2424.9 [‡]	303.352	5/2 ⁻	0.027 ^h 8			2831.7 8	77.287	5/2 ⁻	0.06 3
		2650.8 [‡]	77.287	5/2 ⁻	0.012 ^h 4			2909.7 [‡]	0.0	3/2 ⁻	0.058 ^h 5
		2728.2 [‡]	0.0	3/2 ⁻	0.040 ^h 6	2929.83		2784.5 [‡]	145.849	1/2 ⁻	0.020 ^h 5
2732.3		2586.5 [‡]	145.849	1/2 ⁻	0.017 ^h 6			2930.2 [‡]	0.0	3/2 ⁻	0.014 ^h 4
		2732.2 [‡]	0.0	3/2 ⁻	0.022 ^h 6	3035.7		2830.9 [‡]	204.902	3/2 ⁻	0.033 ^h 13
2733.7		2528.8 [‡]	204.902	3/2 ⁻	0.027 ^h 5			2958.3 [‡]	77.287	5/2 ⁻	0.029 ^h 4
2736.75		2591.2 [‡]	145.849	1/2 ⁻	0.020 ^h 5	3144.80		2343.6 6	803.369	3/2 ⁻	0.072 ^g 12
		2735.5 ⁱ 7	0.0	3/2 ⁻	0.084 ^g 20			2939.35 17	204.902	3/2 ⁻	0.227 ^g 13
2747.5		2601.6 [‡]	145.849	1/2 ⁻	0.020 ^h 5			3145.2 4	0.0	3/2 ⁻	0.051 ^g 12

$\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^{\dagger}$	E_f	J_f^π	$I\gamma\%^f$	$E_i(\text{level})$	$E_\gamma^{\dagger}$	E_f	J_f^π	$I\gamma\%^f$
3176.6		2971.4 7	204.902	3/2 ⁻	0.067 ^g 16	(5466.908)	2882.76 15	2583.90		0.089 10
3342.07		2354.8 6	989.15	3/2 ⁻	0.057 ^g 13		2896.1 12	2571.6		0.055 20
		2462.5 4	881.77	5/2 ⁽⁺⁾	0.011 6		2902.35 19	2564.05		0.224 ^g 12
		2475.7 6	866.66	1/2 ⁻ , 3/2 ⁻	0.042 ^g 12		2906.5 5	2558.9		0.070 8
(5466.908)	1/2 ⁺	2124.89 10	3342.07		0.228 19		2910.5 3	2556.36		0.19 3
		2290.1 5	3176.6		0.17 3		2913.3 4	2552.54		0.17 3
		2295.3 6	3171.6		0.086 ^g 16		2921.0 ^j 3	2545.8		0.058 8
		2322.03 8	3144.80		0.335 ^g 15		2934.5 14	2531.7		0.08 4
		2537.22 21	2929.83		0.228 19		2952.49 21	2514.57		0.173 13
		2556.94 14	2909.73		0.259 13		2956.2 8	2511.67		0.13 ^g 4
		2570.0 4	2896.7		0.051 ^g 11		2963.3 ^j 4	2503.4		0.074 16
		2584.56 7	2882.32		0.400 13		2974.8 3	2492.14		0.122 ^g 16
		2596.2 4	2871.1		0.022 6		2980.8 ^j 11	2485.02		≈0.067
		2601.75 11	2865.14		0.185 7		2986.9 16	2480.0		0.040 13
		2622.1 ^l 3	2844.8?		0.036 6		2996.3 4	2471.12		0.24 3
		2629.5 3	2837.52		0.082 16		3005.89 16	2461.11		0.156 19
		2633.2 ^j 4	2833.6		0.041 8		3009.8 6	2457.4		0.060 25
		2646.5 ^l 8	2820.4?		0.088 25		3018.63 18	2447.91		0.062 12
		2661.05 ^j 19	2805.91		0.087 9		3028.7 9	2438.3		0.046 14
		2670.9 5	2796.6		0.036 13		3032.6 9	2433.9		0.047 16
		2677.0 6	2789.9		0.09 3		3040.00 15	2426.88		0.143 10
		2686.1 4	2780.98		0.113 11		3051.28 24	2415.19		0.16 3
		2704.57 22	2762.50		0.122 12		3055.49 9	2411.40		0.287 8
		2708.5 13	2759.2		0.288 11		3073.5 5	2393.8		0.038 7
		2730.08 22	2736.75		0.08 3		3085.4 6	2381.14		0.035 9
		2738.68 17	2728.2		0.304 20		3092.4 30	2375.1		≈0.019
		2744.95 19	2722.15		0.135 11		3095.7 11	2370.0		0.12 11
		2749.8 3	2717.38		0.12 3		3097.8 6	2367.5		≈0.065
		2752.3 ^j 4	2714.5		0.05 3		3109.5 ^j 4	2356.79		0.035 11
		2760.51 ^j 9	2706.40		0.266 9		3114.91 11	2352.02	1/2 ⁻ , 3/2 ⁻	0.263 12
		2769.47 14	2697.42		0.131 10		3122.4 9	2344.43	1/2, 3/2	0.13 7
		2777.8 ^j 3	2689.63		0.083 10		3151.39 19	2315.43	1/2, 3/2	0.099 9
		2781.6 ^j 3	2685.6		0.043 9		3160.38 16	2306.45	1/2, 3/2	0.118 10
		2786.44 10	2680.48		0.217 9		3173.69 25	2293.12	1/2, 3/2	0.066 7
		2805.79 20	2661.04		0.157 14		3179.3 ^{bj} 5	2287.8		0.023 6
		2813.6 3	2653.5		0.097 12		3183.89 ^b 17	2283.10	1/2, 3/2	0.073 6
		2819.5 3	2647.44		0.032 10		3191.11 18	2275.89	1/2 ⁻ , 3/2 ⁻	0.317 21
		2839.22 18	2627.58		0.163 11		3194.1 5	2272.6	1/2, 3/2	0.107 ^g 21
		2842.81 9	2624.11		0.317 10		3200.2 ^j 5	2266.8		0.019 11
		2849.04 5	2617.84		0.359 8		3206.78 8	2260.12	1/2 ⁻ , 3/2 ⁻	0.274 7
		2860.9 ^j 5	2606.5		0.052 11		3225.44 23	2241.66	1/2 ⁻ , 3/2 ⁻	0.66 6
		2867.1 7	2600.8		0.026 10		3234.4 3	2232.83	1/2, 3/2	0.138 13
		2877.6 3	2589.87		0.26 3		3238.54 24	2228.60	1/2, 3/2	0.144 14

$\gamma(^{187}\text{W})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	E_f	J_f^π	$I\gamma\%f$	$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	E_f	J_f^π	$I\gamma\%f$
(5466.908)	$1/2^+$	3258.7 4	2208.37	$1/2,3/2$	0.051 8	(5466.908)	$1/2^+$	3756.2 8	1711.35	$(3/2^-,5/2)$	0.031 9
		3263.7 ^j 3	2203.9		0.029 13			3761.07 13	1706.05	$1/2,3/2$	0.183 8
		3267.9 12	2198.5	$1/2,3/2$	0.07 4			3775.14 9	1691.88	$3/2^+$	0.220 7
		3286.47 26	2180.47	$1/2,3/2$	0.064 11			3803.69 11	1663.23	$3/2^-$	0.187 7
		3293.0 10	2172.2	$1/2,3/2$	0.013 9			3818.8 11	1648.73	$5/2^+$	0.034 12
		3298.0 8	2168.9	$1/2,3/2$	0.13 5			3823.5 6	1643.52	$1/2,3/2$	0.081 16
		3313.6 3	2153.42	$1/2,3/2$	0.163 16			3847.68 6	1619.21	$3/2^-$	0.546 9
		3316.8 4	2150.31	$1/2,3/2$	0.117 16			3854.05 23	1612.87	$3/2^+$	0.095 10
		3325.8 9	2142.59	$1/2,3/2$	0.059 22			3871.9 7	1595.15	$3/2^+$	0.015 5
		3328.8 3	2138.67	$1/2,3/2$	0.174 20			3876.9 4	1589.04	$5/2^+$	0.046 6
		3342.65 21	2124.32	$1/2,3/2$	0.095 ^g 12			3902.12 9	1564.79	$1/2,3/2^-$	0.237 7
		3349.69 11	2117.28	$1/2,3/2$	0.141 11			3917.4 5	1549.32	$1/2,3/2$	0.084 13
		3376.70 19	2090.33	$1/2^-,3/2^-$	0.33 7			3921.05 20	1545.97	$1/2,3/2$	0.222 14
		3383.3 ^j 7	2083.5		0.031 22			3933.1 9	1533.91	$5/2^+$	0.046 12
		3395.5 11	2070.08	$1/2,3/2$	0.022 8			3965.27 12	1501.85	$3/2^+$	0.332 16
		3404.7 7	2062.1	$1/2,3/2$	0.032 13			3981.0 23	1487.12	$3/2^-$	≈ 0.013
		3408.3 10	2059.0	$1/2,3/2$	≈ 0.016			4016.08 11	1450.85	$1/2,(3/2)$	0.198 7
		3422.9 4	2044.60	$1/2^-,3/2^-$	0.217 10			4051.3 5	1415.24	$3/2^-$	0.026 5
		3437.5 10	2029.7		0.019 10			4082.61 7	1384.24	$3/2^-$	0.349 7
		3443.37 17	2023.22	$3/2^{(+)}$	0.102 7			4094.0 5	1373.61	$3/2^+$	0.027 5
		3465.60 ^l 17	2001.26 [?]		0.090 9			4119.10 16	1347.56	$1/2^-$	0.61 3
		3469.79 5	1997.11	$3/2^-$	1.200 10			4135.3 4	1330.91	$3/2^+$	0.103 11
		3486.69 19	1980.56	$3/2^+$	0.166 12			4154.0 4	1312.80	$3/2^-$	0.092 10
		3493.17 8	1973.65	$3/2$	0.521 13			4158.67 11	1308.22	$3/2^+$	0.369 11
		3505.3 3	1961.81		0.014 8			4194.4 5	1272.39	$1/2^-,3/2^-$	0.012 6
		3510.66 6	1956.21	$(1/2^-),3/2^-$	0.420 9			4249.72 12	1217.127	$3/2^-$	1.18 5
		3516.8 4	1950.27	$(1/2^-),3/2$	0.054 12			4331.69 7	1135.18	$3/2^-$	0.414 9
		3524.2 8	1943.80	$(3/2)$	0.025 14			4372.5 4	1094.24	$1/2^-,3/2^-$	0.074 10
		3530.68 24	1936.86	$3/2^-$	0.35 7			4379.7 6	1086.3		0.047 7
		3535.19 17	1931.74	$1/2^-,3/2^-$	0.67 4			4384.54 6	1082.32	$1/2^-, (3/2)$	0.654 10
		3561.22 6	1905.66	$3/2^-$	0.673 9			4448.27 11	1018.53	$3/2^-$	0.546 16
		3575.70 27	1891.10	$1/2^{(-)},3/2$	0.189 12			4470.3 ^l 6	996.5 [?]		0.033 10
		3579.6 6	1887.74	$3/2^-$	0.044 12			4477.64 13	989.15	$3/2^-$	0.159 8
		3608.66 22	1857.83	$1/2,3/2$	0.082 15			4487.20 12	979.44	$3/2^-$	0.178 7
		3621.7 3	1845.53	$1/2^-,3/2$	0.084 9			4494.1 20	971.91	$5/2^-$	≈ 0.007
		3642.5 4	1824.62	$3/2^-$	0.032 8			4506.3 17	960.57	$5/2^-$	≈ 0.005
		3650.4 18	1816.29	$3/2^{(-)}$	0.036 24			4551.6 27	914.68	$5/2^-$	≈ 0.007
		3696.04 24	1770.89	$1/2^-,3/2^-$	0.078 7			4557.88 10	908.96	$1/2,(3/2)$	0.265 8
		3708.0 5	1759.57	$1/2,3/2$	0.039 7			4574.92 5	891.93	$3/2^-$	0.923 11
		3734.0 ^j 7	1734.0		0.064 20			4585.7 6	881.77	$5/2^{(+)}$	0.013 5
		3738.32 16	1728.91	$1/2,3/2$	0.18 10			4602.6 15	863.33	$5/2^-$	0.06 3
		3740.2 4	1726.85	$3/2^-$	0.44 9			4606.6 11	860.75	$3/2^-$	0.040 15
		3747.67 22	1719.26	$3/2^-$	0.116 12			4615.3 7	852.41	$3/2^-$	0.013 3

¹⁸⁶W(n,γ), ¹⁸⁶W(pol n,γ) E=th 2008Bo26,2008SuZW,1973PrYV (continued)

γ(¹⁸⁷W) (continued)

E _i (level)	J _i ^π	E _γ [†]	E _f	J _f ^π	I _γ % ^f	E _i (level)	J _i ^π	E _γ [†]	E _f	J _f ^π	I _γ % ^f
(5466.908)	1/2 ⁺	4626.57 5	840.208	1/2 ⁻	1.470 17	(5466.908)	1/2 ⁺	5163.5 ^b 4	303.352	5/2 ⁻	0.034 5
		4650.54 6	816.256	3/2 ⁻	0.518 8			5261.81 7	204.902	3/2 ⁻	5.83 6
		4662.8 3	803.369	3/2 ⁻	0.058 7			5320.84 7	145.849	1/2 ⁻	4.12 5
		4684.53 5	782.290	1/2 ⁻	1.750 16			5388.85 26	77.287	5/2 ⁻	0.036 3
		4704.8 4	762.146	1/2 ⁻	0.023 3			5466.63 9	0.0	3/2 ⁻	0.256 4
		4826.0 10	640.488	5/2 ⁻	0.012 3						

[†] From 2008Bo26, except otherwise noted. E_γ is not recoil corrected.

[‡] From 2008SuZW.

From conversion electron subshell ratios and internal conversion coefficients of 1971PrZJ and 1973PrYV. Additional values were deduced by the evaluator using the electron intensities and γ-ray intensities of 1973PrYV normalized to the 145.8-keV K and L1 conversion electrons assuming M1 multipolarity. For the deduced values a 30% uncertainty is assigned by the evaluator.

@ Deduced by the evaluator from the conversion electron data.

& Initial level is the lower part of the unresolved doublet.

^a Initial level is the upper part of the unresolved doublet.

^b Observed in coincidence (2008Bo26).

^c Uncertain placement and not adopted.

^d Intensity is deduced from the sum of coincident γ intensities.

^e Combined intensity for close doublet.

^f For 100 neutron capture for γ-rays above 2000 keV (2008Bo26), except otherwise noted.

^g Only part of the intensity is assigned to this transition (2008Bo26).

^h From 2008SuZW. The ΣI_{γγ} (I_γ%) reported in 2008SuZW is normalized to the primary γ-ray I_γ%.

ⁱ γ-ray placement is confirmed by 2008SuZW.

^j Feeding level is confirmed by 2008SuZW.

^k Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multiplicities, and mixing ratios, unless otherwise specified.

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

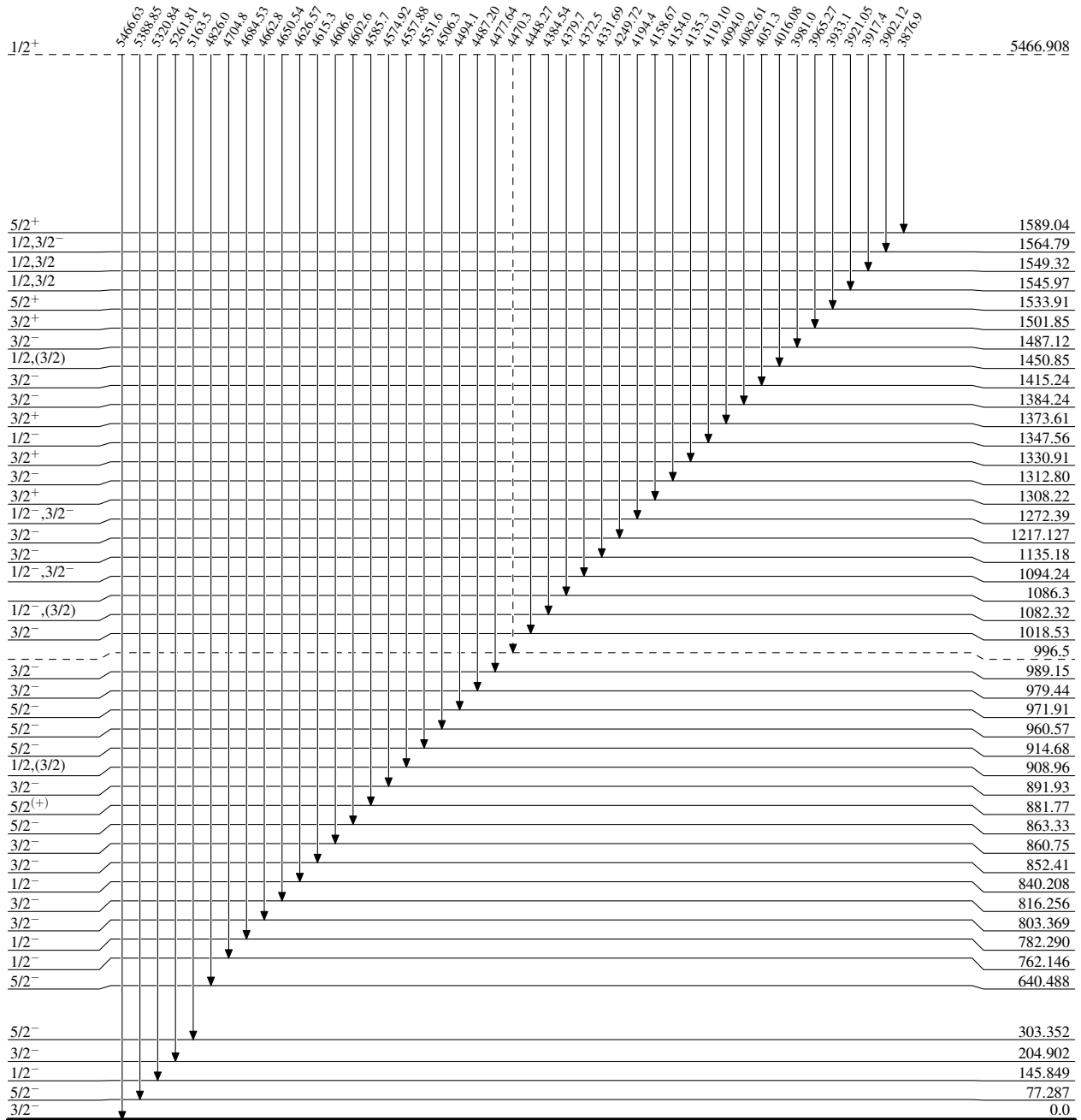
^x γ ray not placed in level scheme.

$^{186}\text{W}(n,\gamma), ^{186}\text{W}(\text{pol } n,\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Legend

Level Scheme

Intensities: Relative photon branching from each level

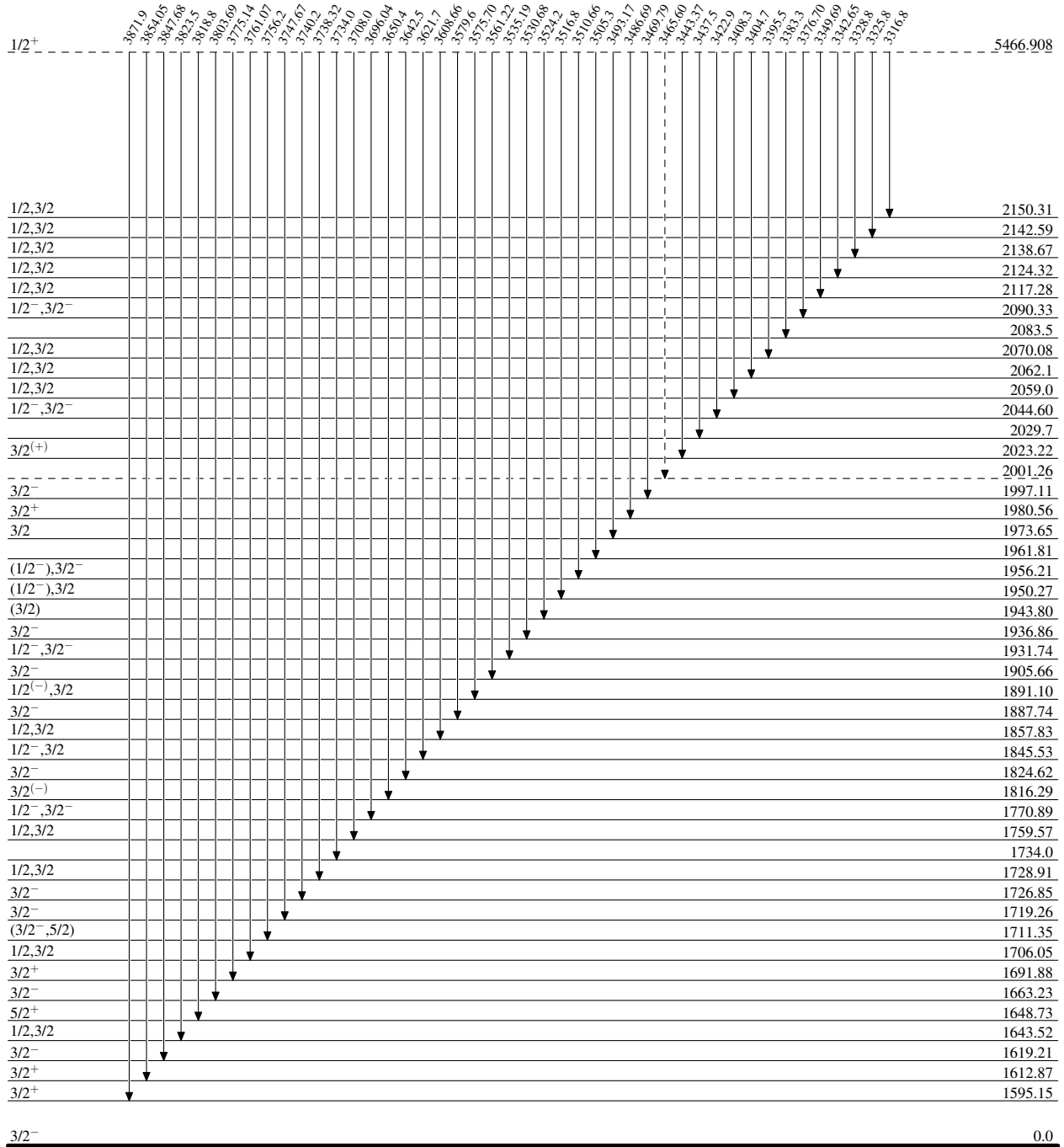
-----► γ Decay (Uncertain)

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Legend

Level Scheme (continued)

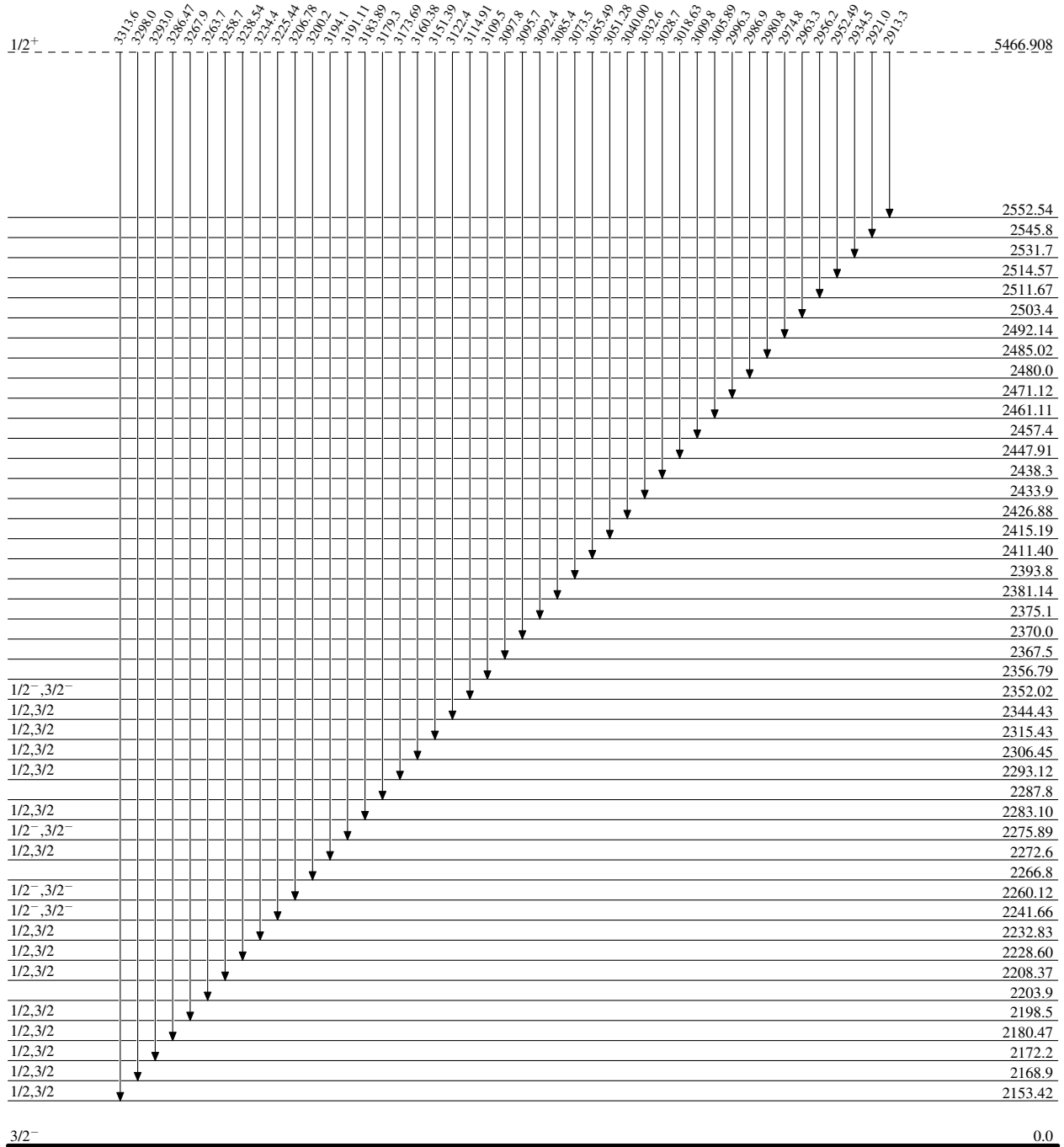
Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain)

$^{186}\text{W}(n,\gamma), ^{186}\text{W}(\text{pol } n,\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

Intensities: Relative photon branching from each level

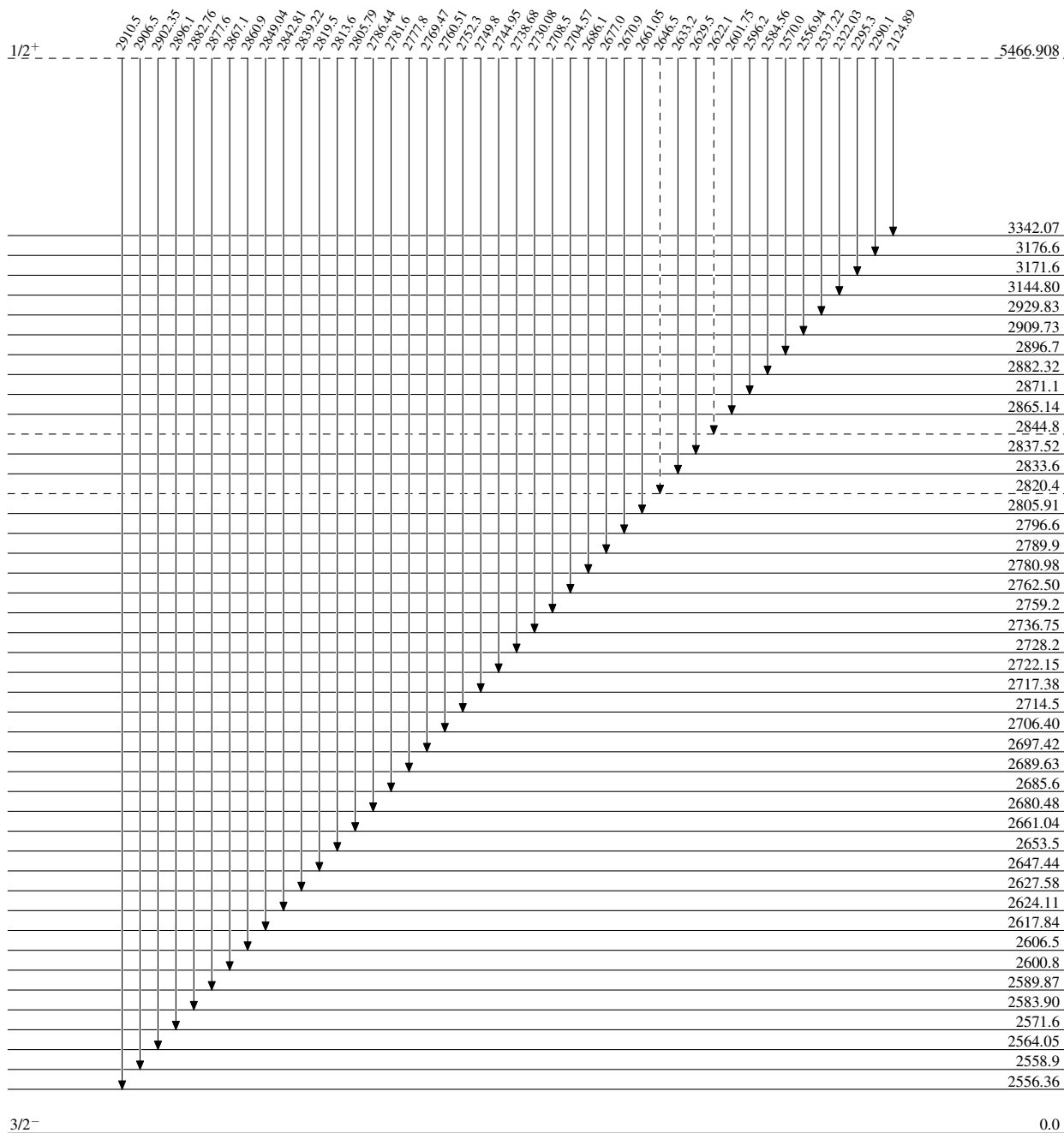


$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Legend

Level Scheme (continued)

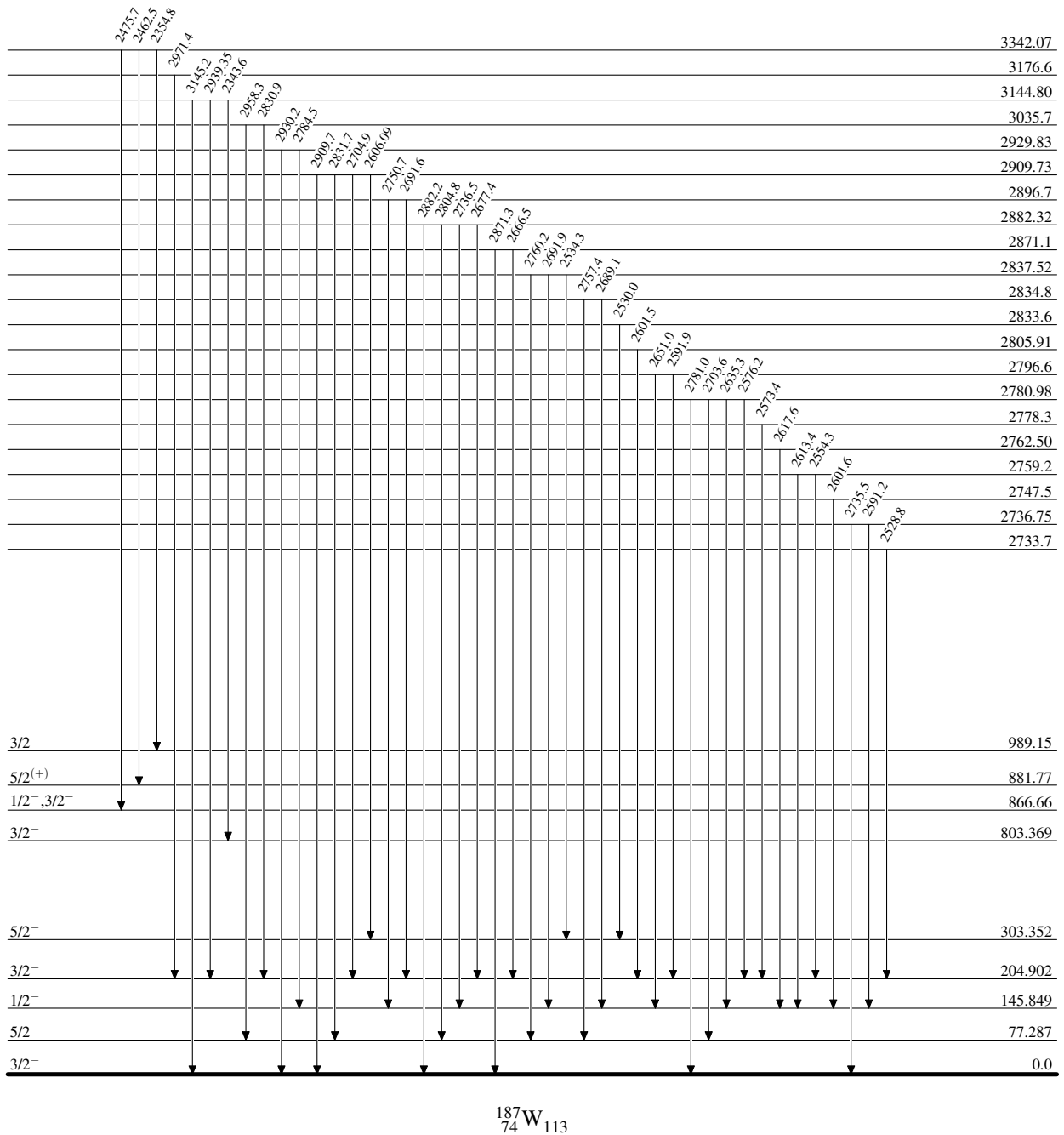
Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain)


$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

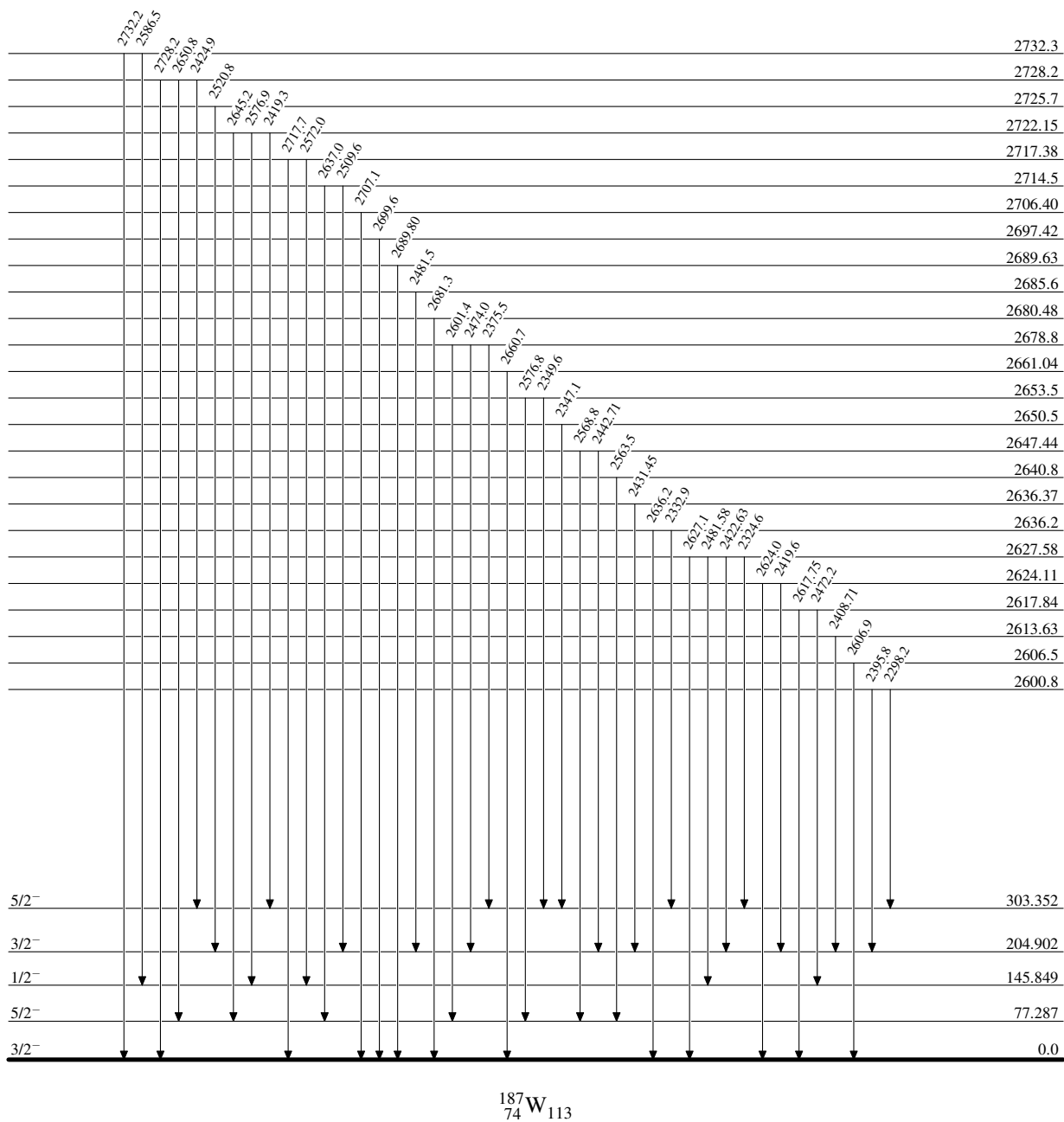
Intensities: Relative photon branching from each level



$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

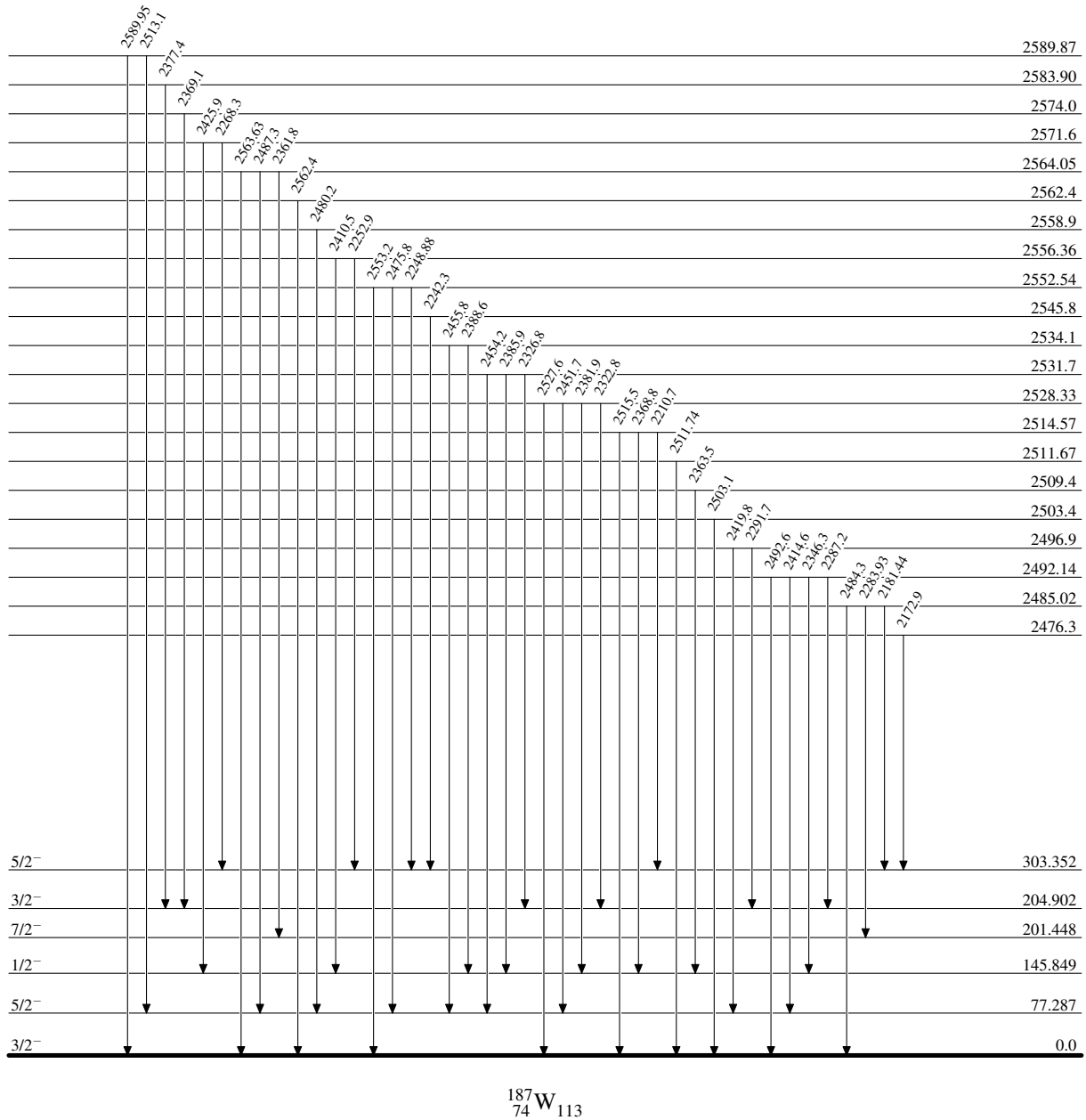
Intensities: Relative photon branching from each level



$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

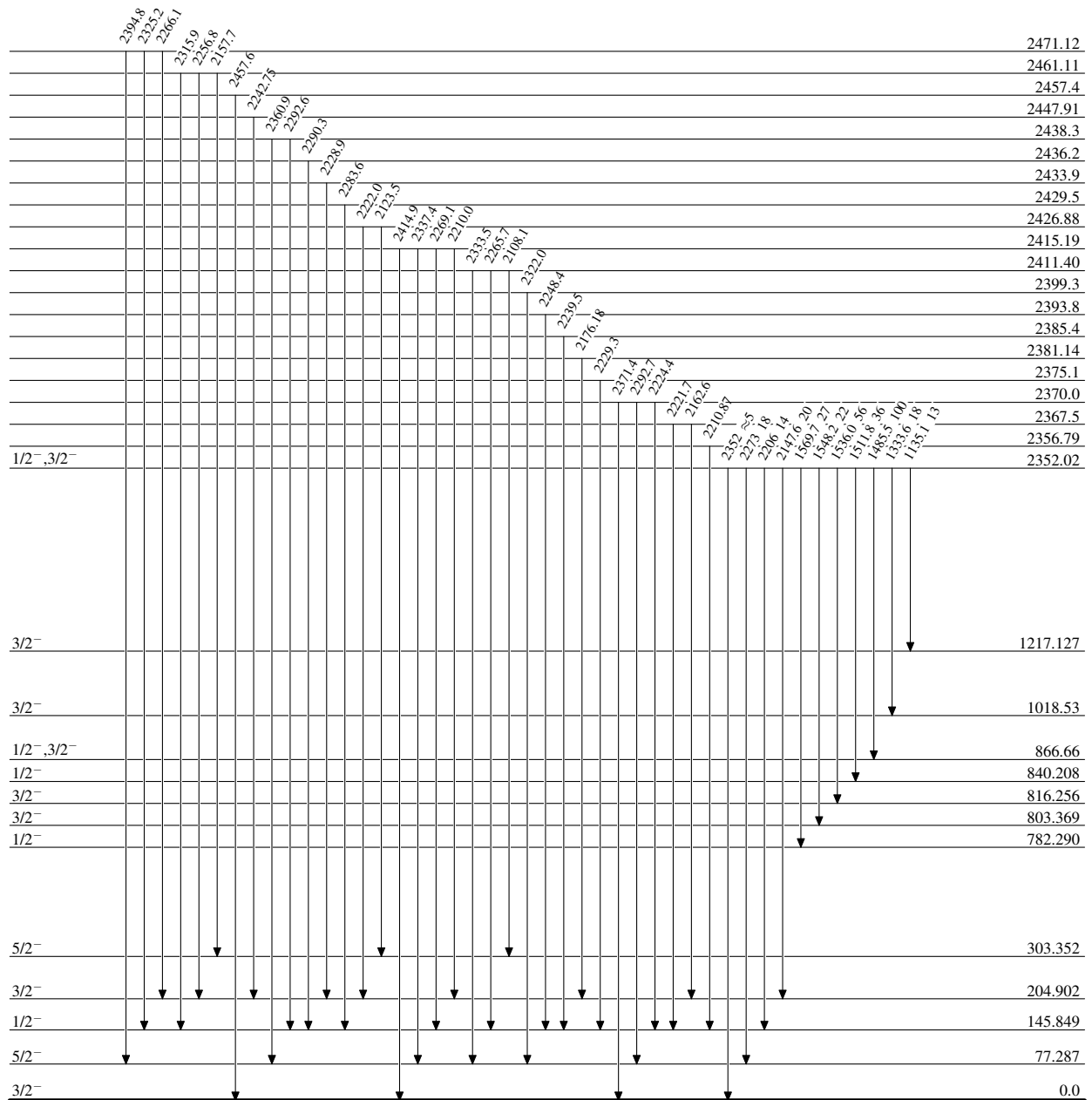
Intensities: Relative photon branching from each level



$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

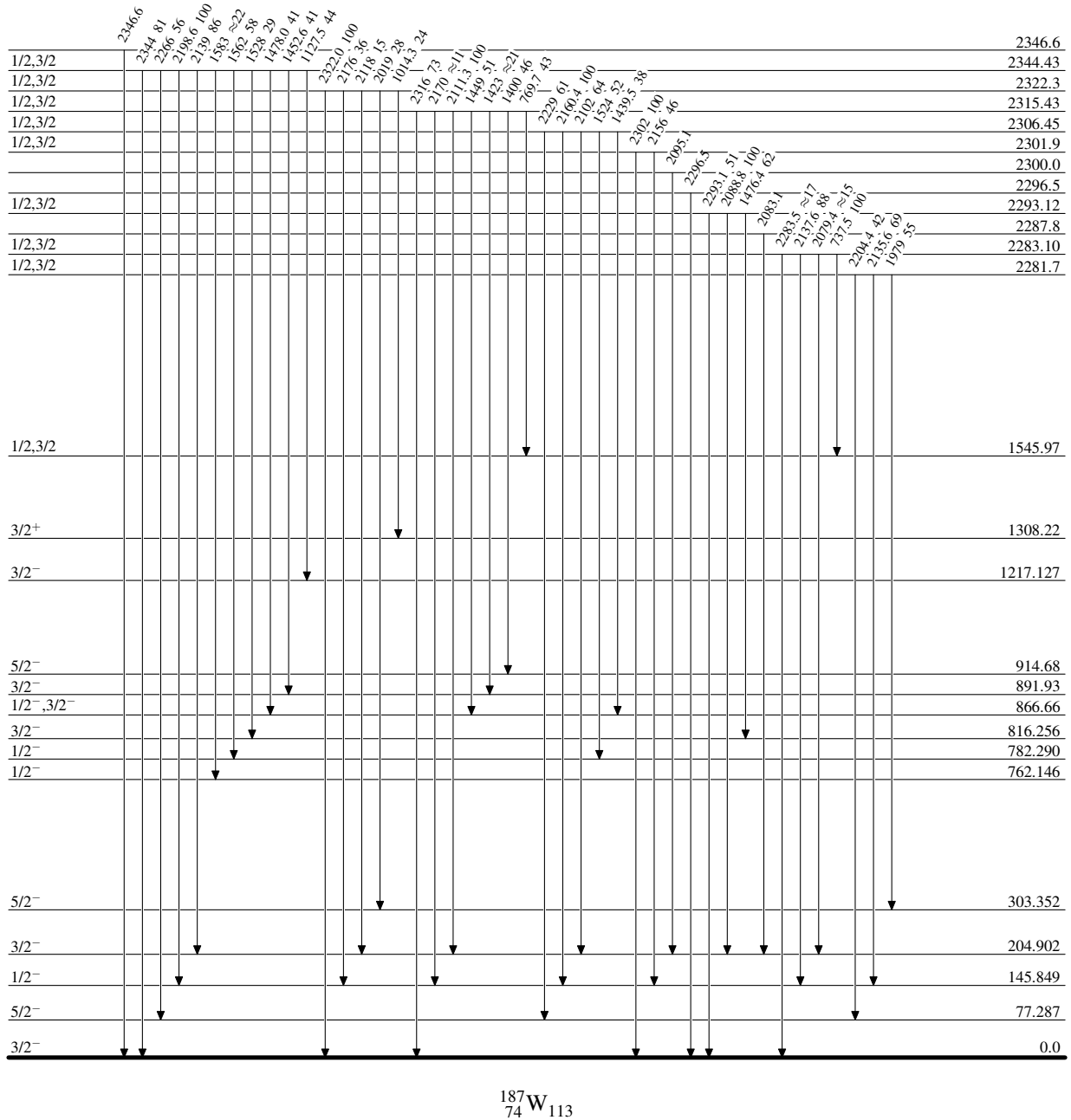
Intensities: Relative photon branching from each level



$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

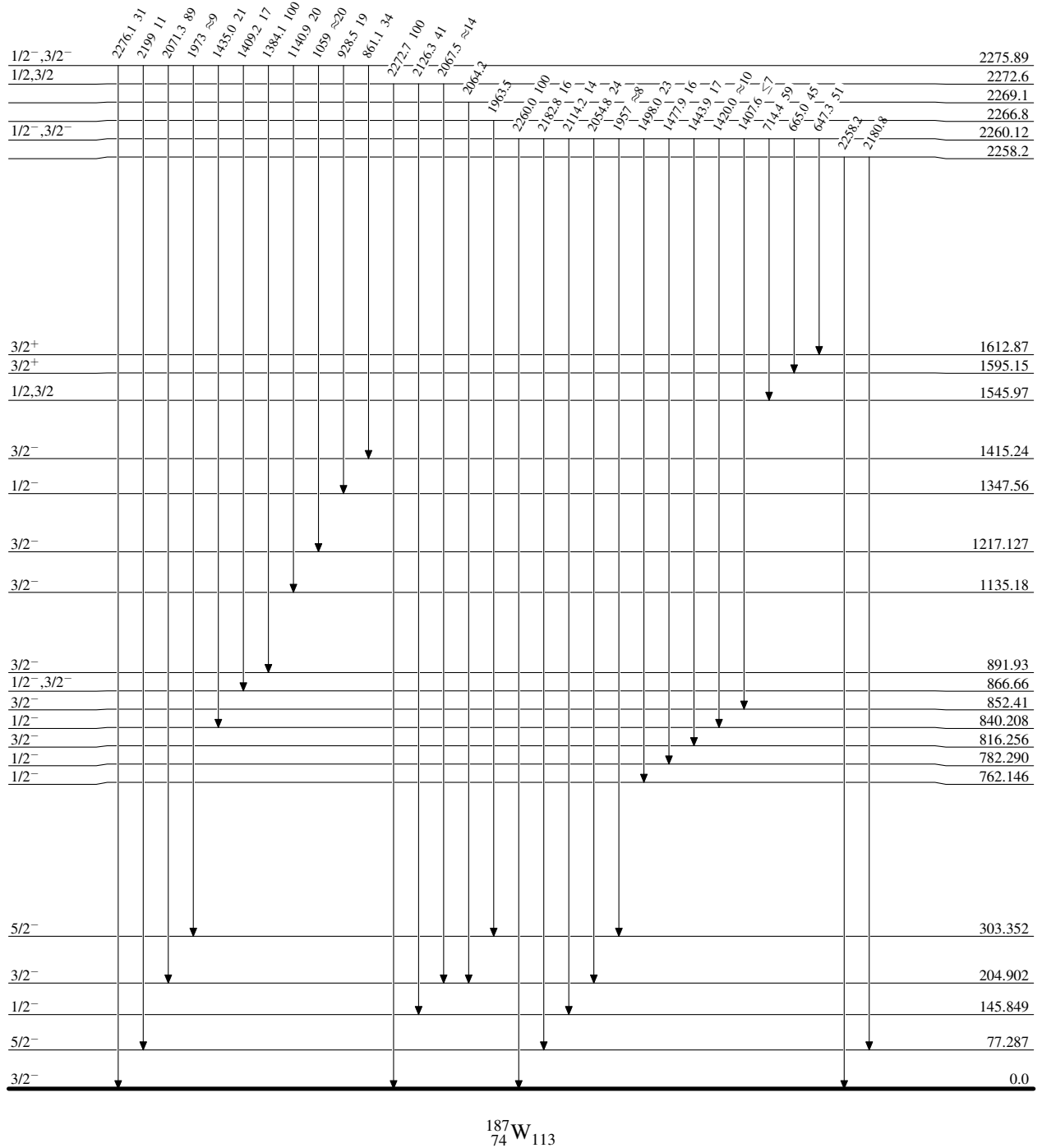
Intensities: Relative photon branching from each level

 $^{187}_{74}\text{W}_{113}$

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

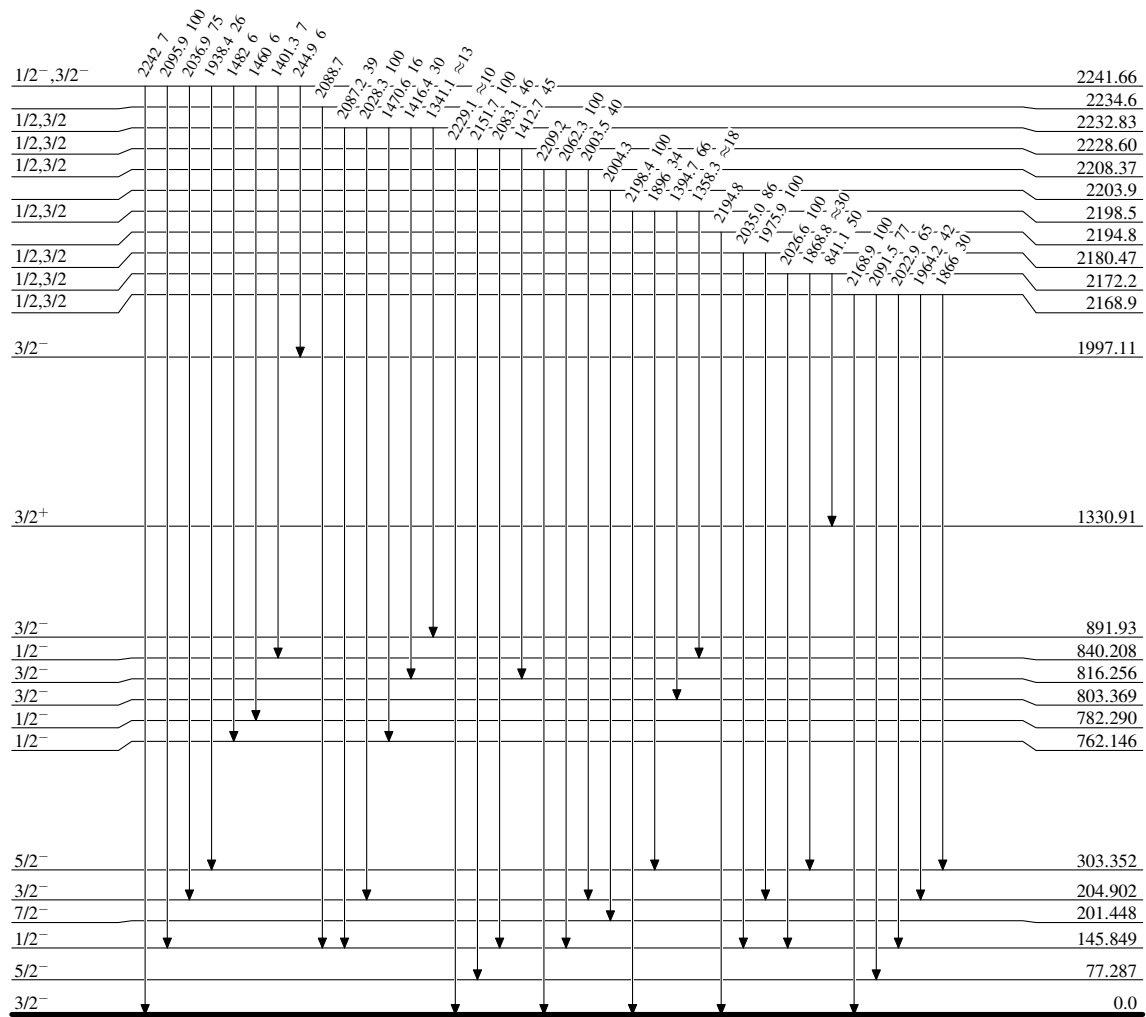
Intensities: Relative photon branching from each level



$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

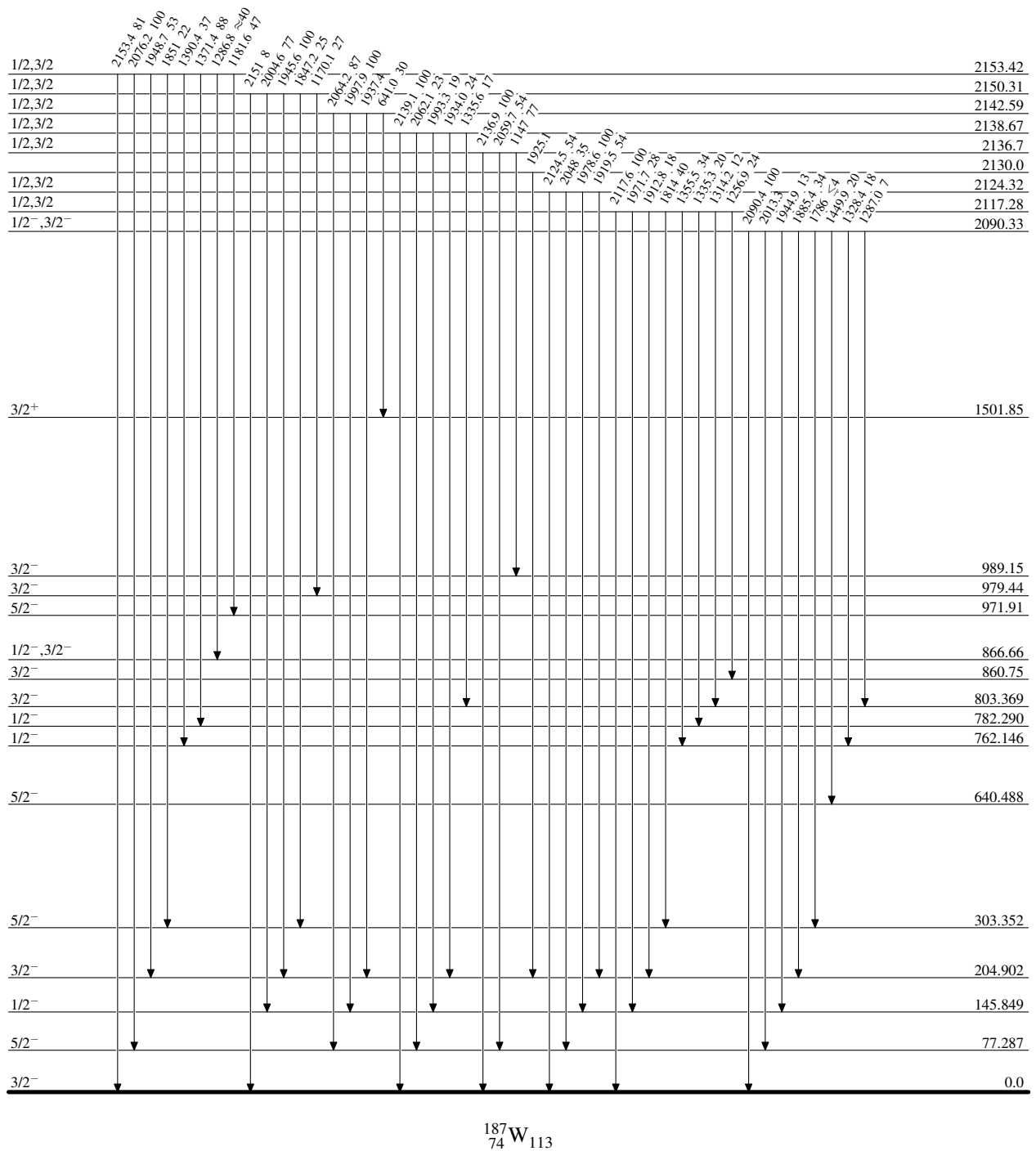
Intensities: Relative photon branching from each level

 $^{187}_{74}\text{W}_{113}$

$^{186}\text{W}(n,\gamma), ^{186}\text{W}(\text{pol } n,\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

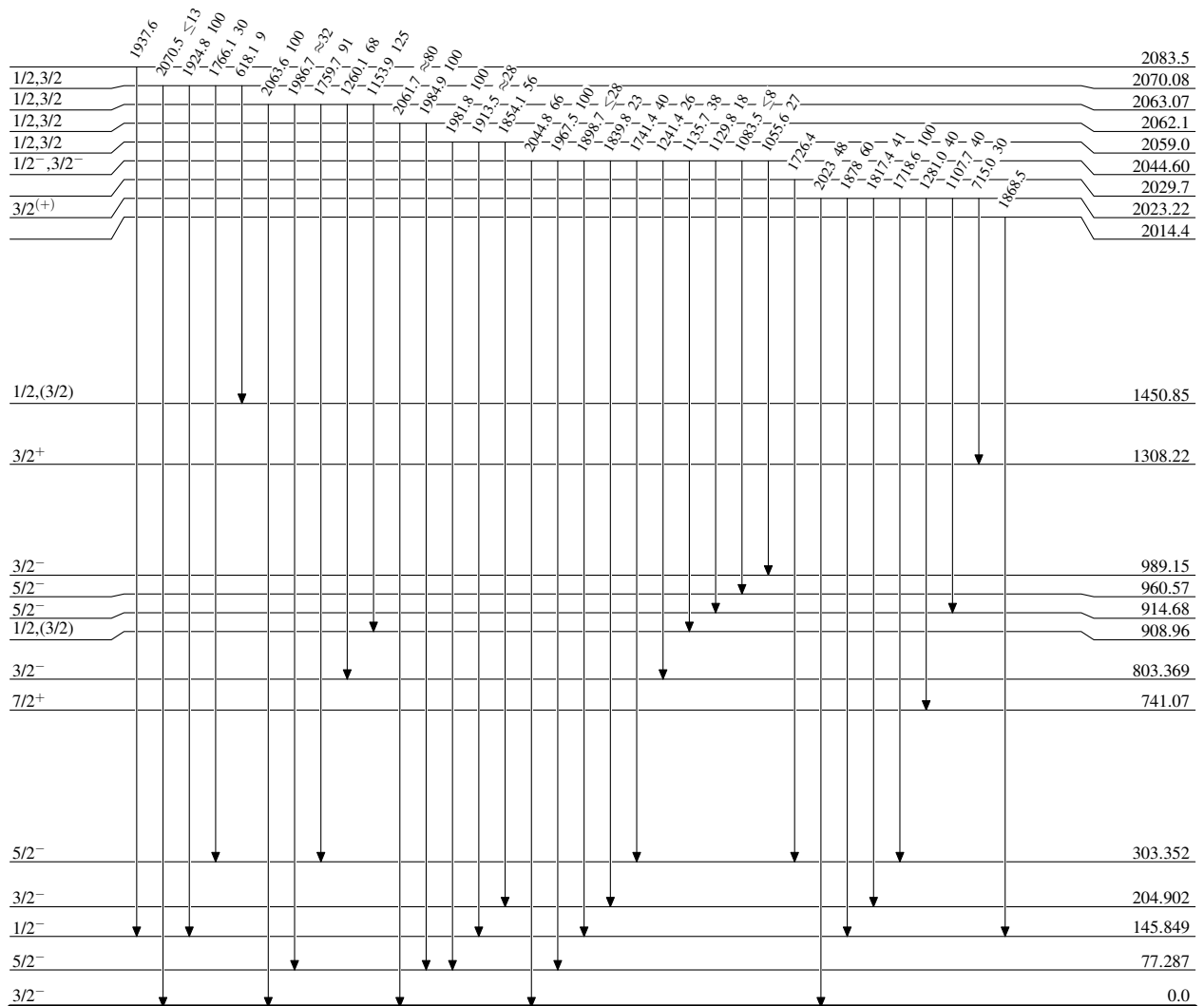
Intensities: Relative photon branching from each level

 $^{187}_{74}\text{W}_{113}$

$^{186}\text{W}(n,\gamma), ^{186}\text{W}(\text{pol } n,\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

Intensities: Relative photon branching from each level

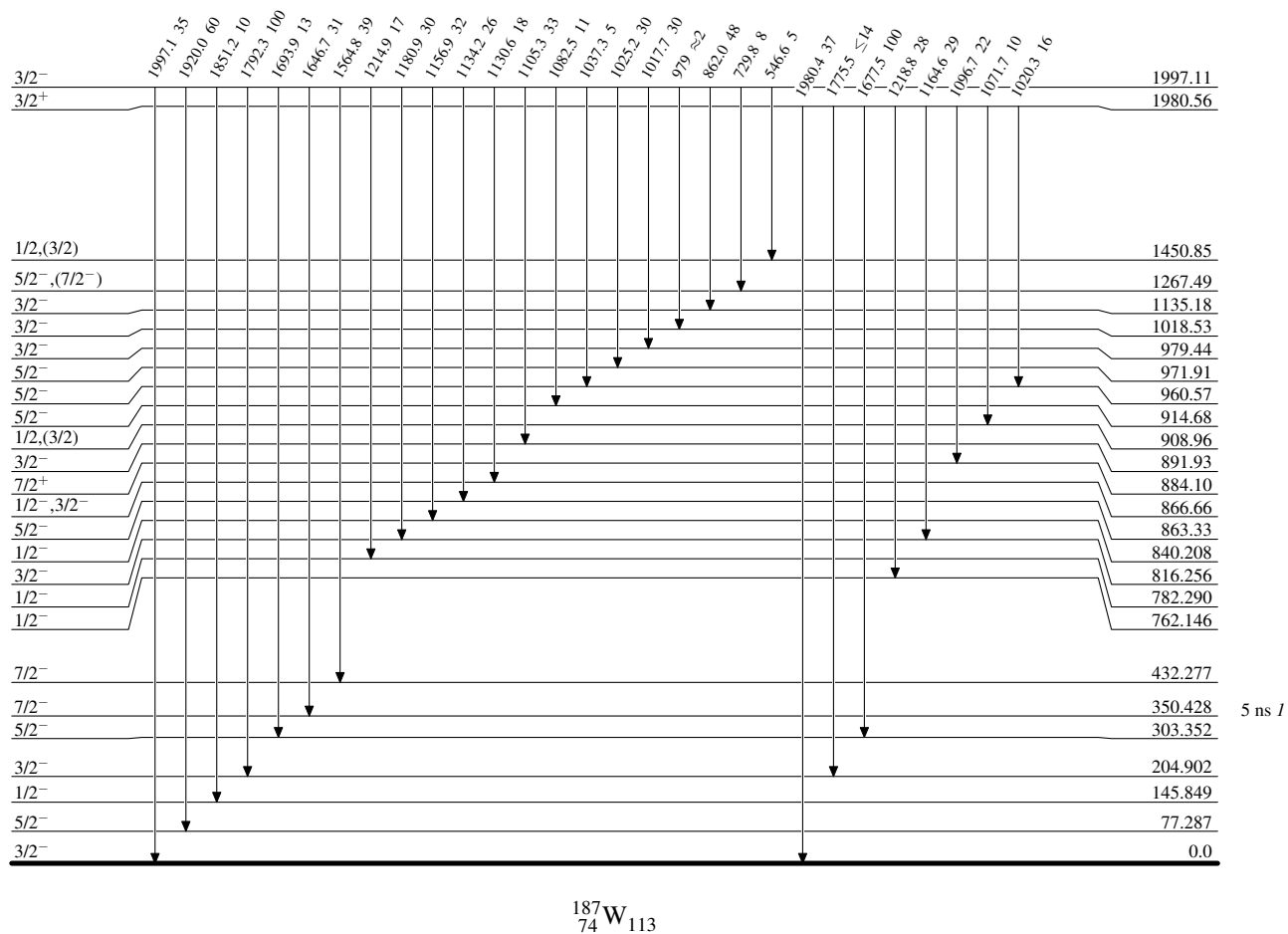


$^{187}_{74}\text{W}_{113}$

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

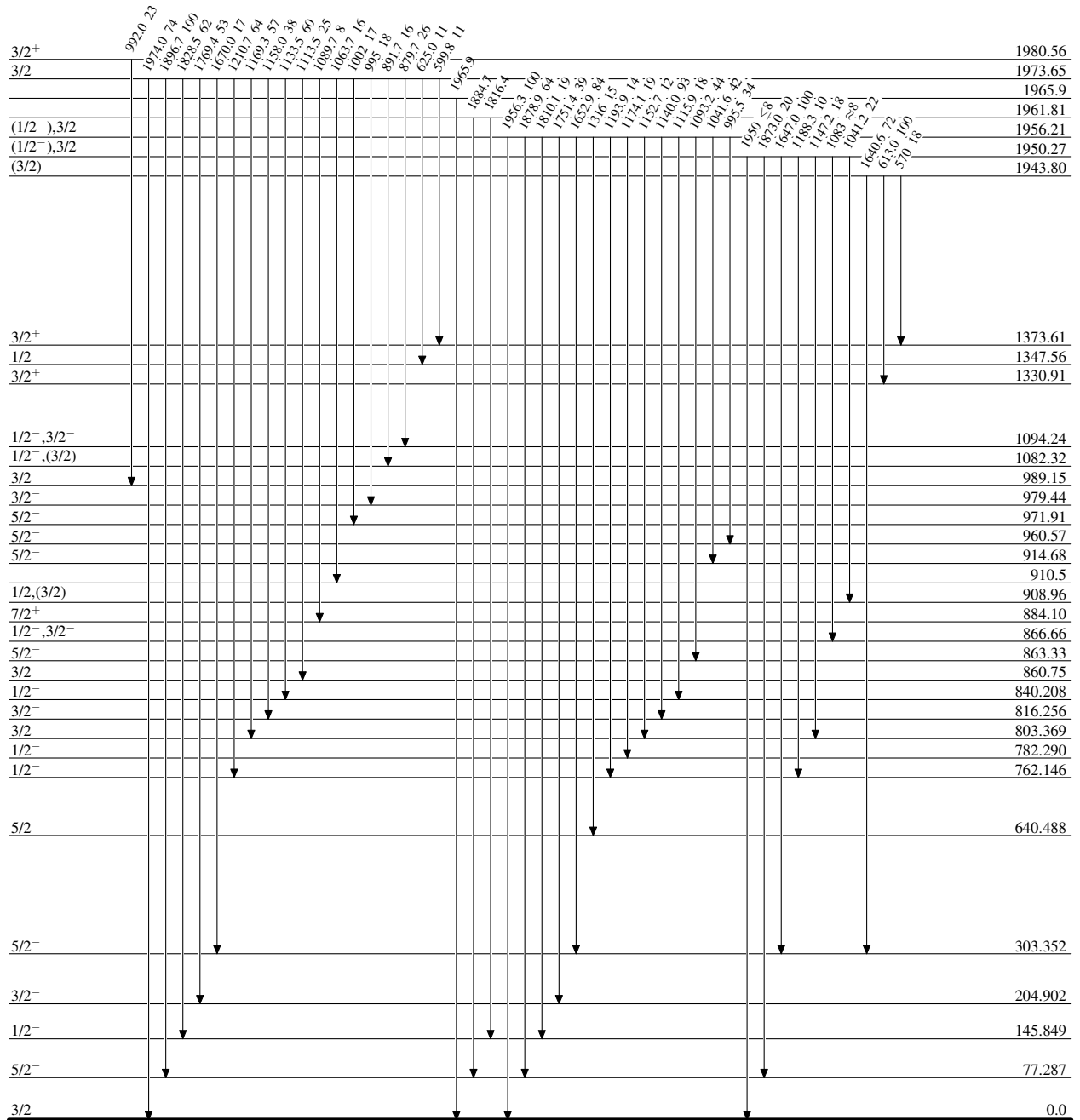
Intensities: Relative photon branching from each level



$^{186}\text{W}(n,\gamma), ^{186}\text{W}(\text{pol } n,\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

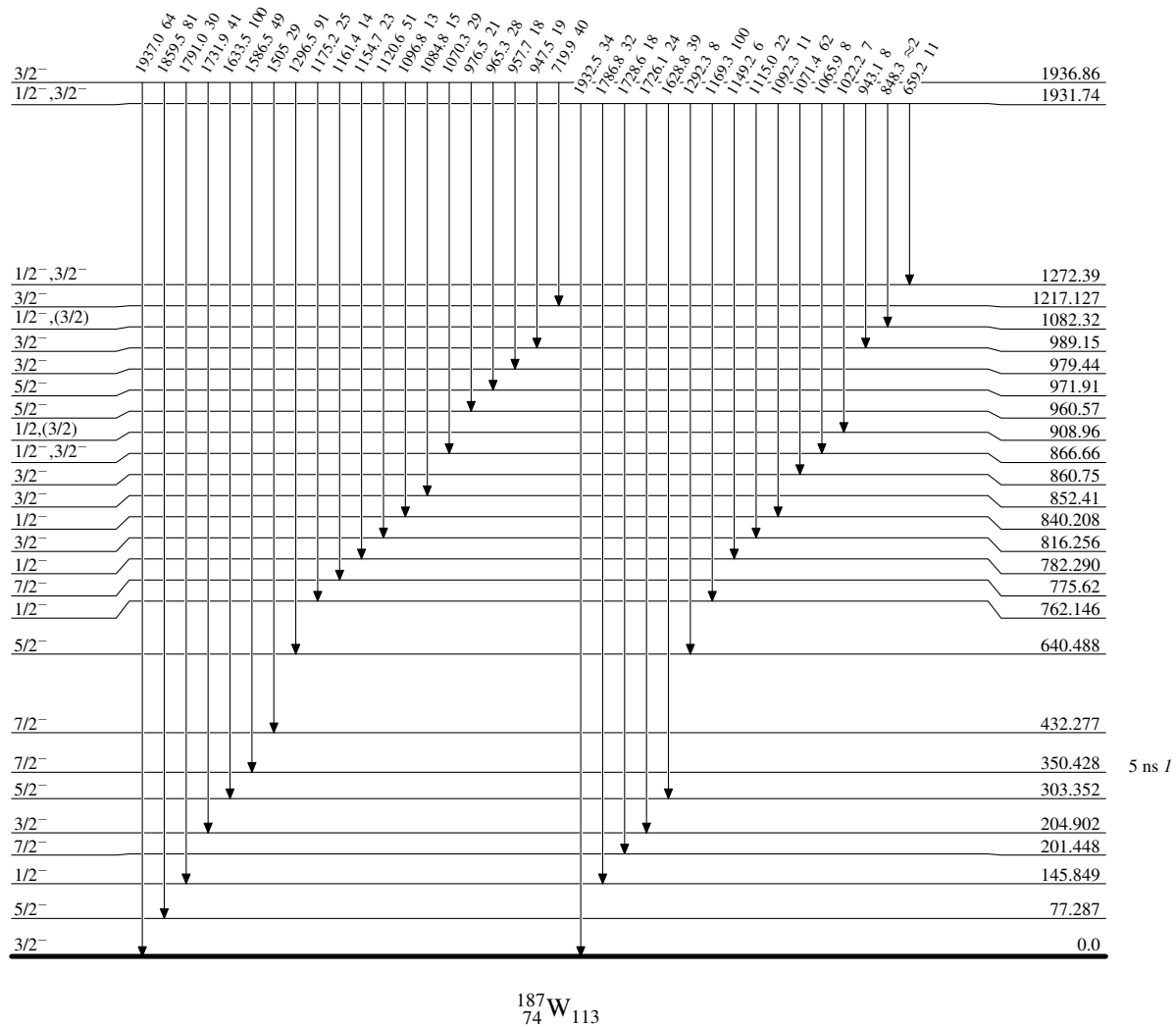
Intensities: Relative photon branching from each level

 $^{187}_{74}\text{W}_{113}$

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

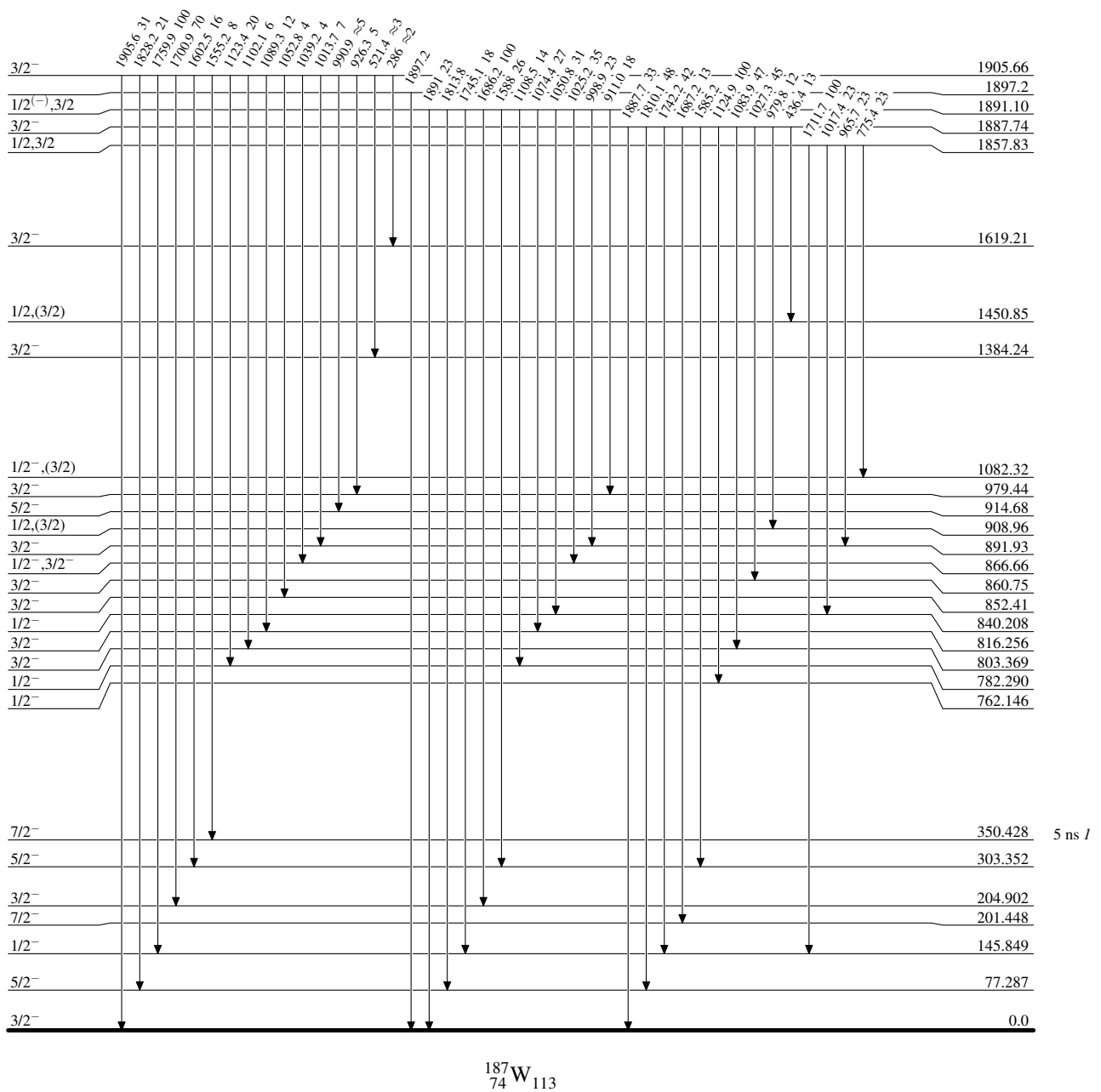
Intensities: Relative photon branching from each level



$^{186}\text{W}(n,\gamma), ^{186}\text{W}(\text{pol } n,\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

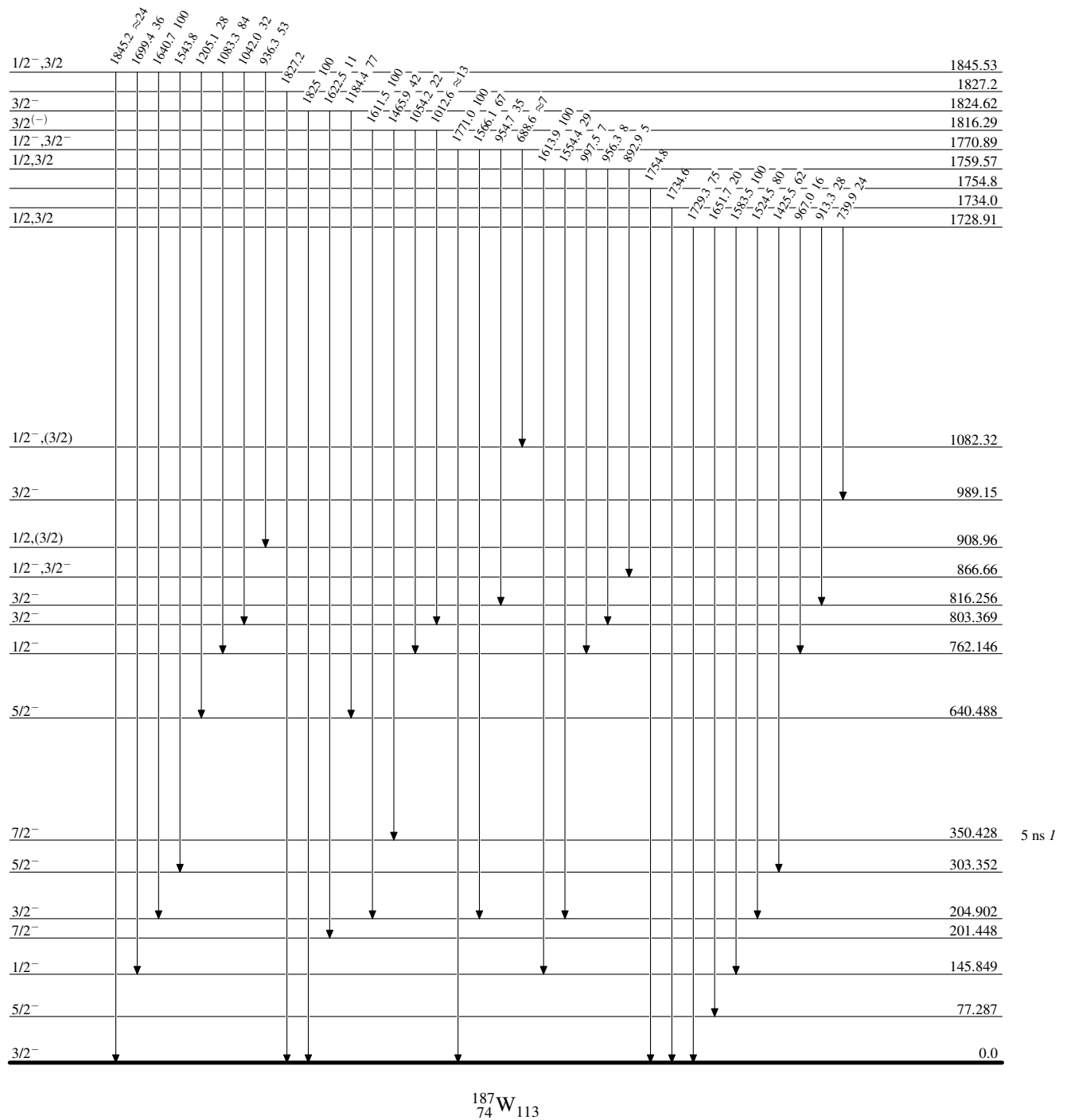
Intensities: Relative photon branching from each level



$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

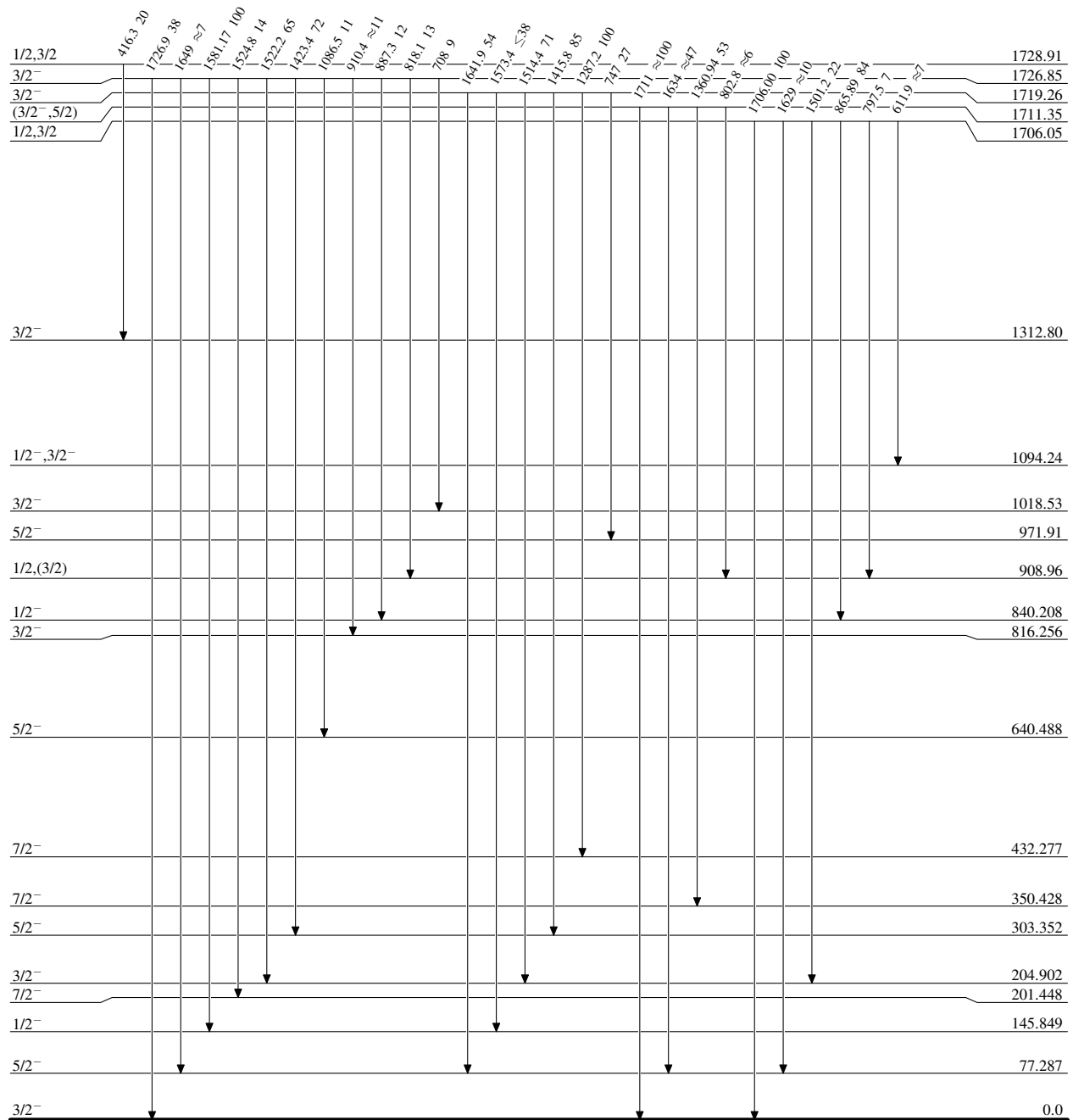
Intensities: Relative photon branching from each level



$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

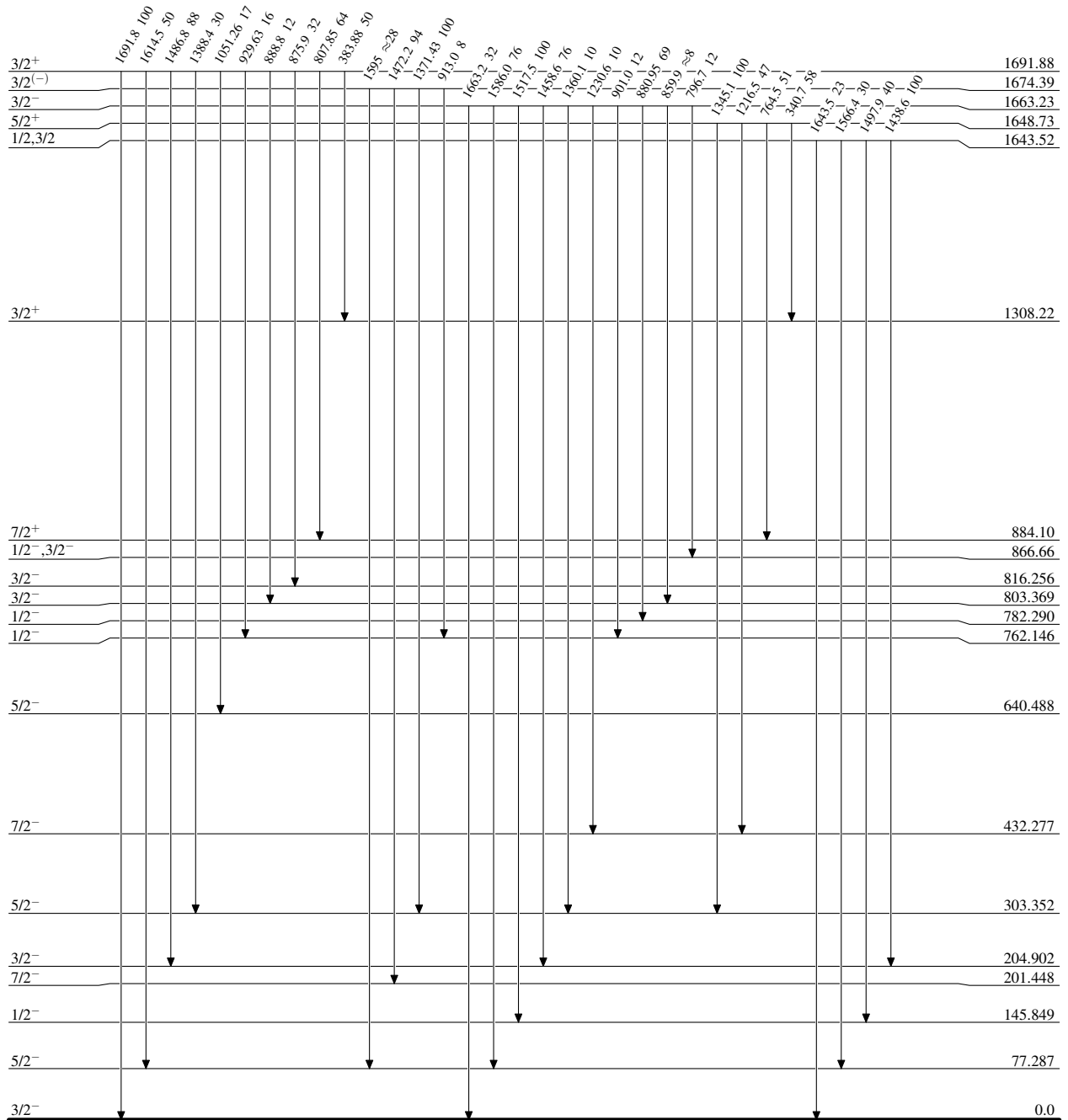
Intensities: Relative photon branching from each level

 $^{187}_{74}\text{W}_{113}$

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

Intensities: Relative photon branching from each level

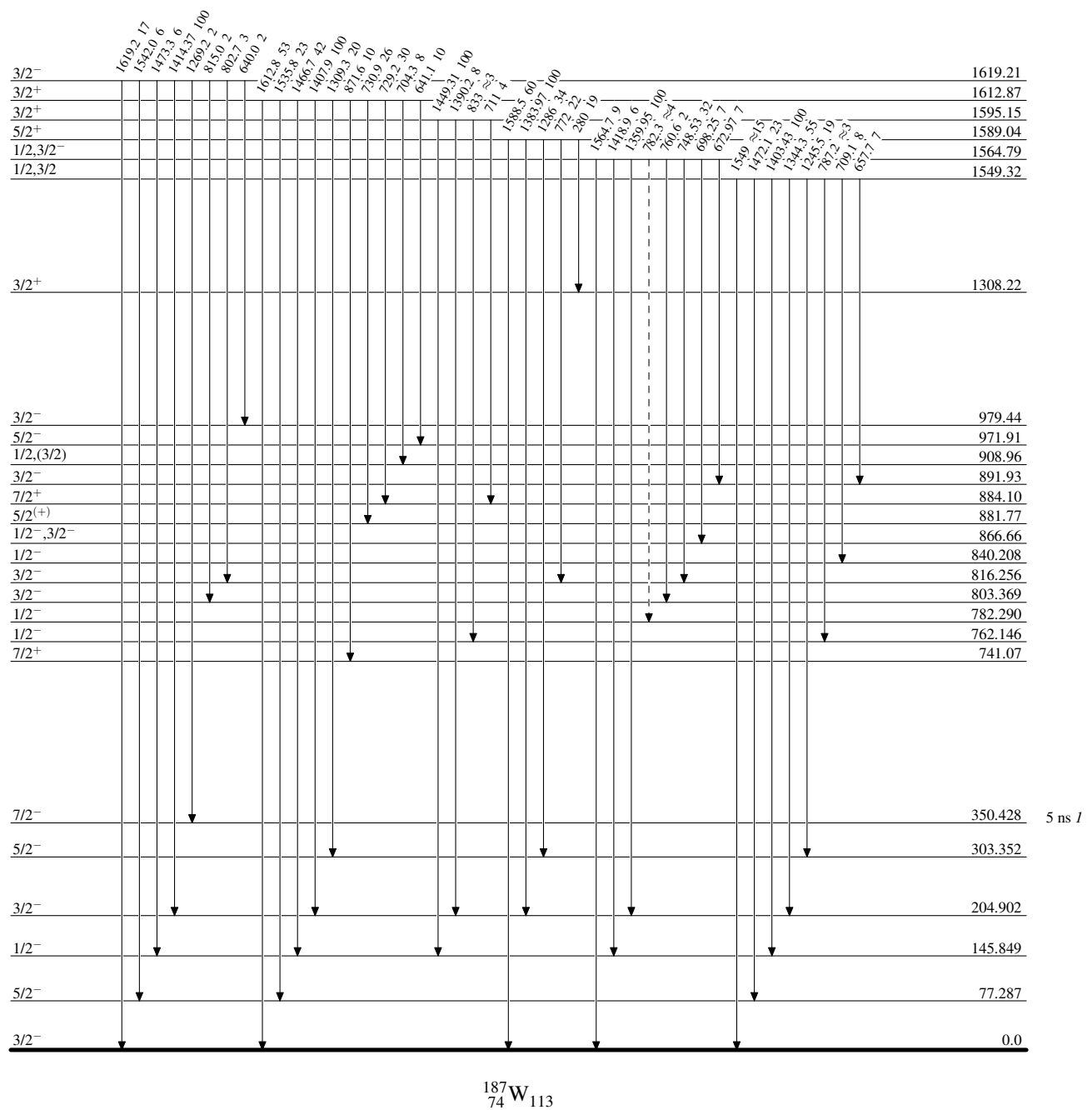
 $^{187}_{74}\text{W}_{113}$

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{E=th}$ 2008Bo26,2008SuZW,1973PrYV

Legend

Level Scheme (continued)

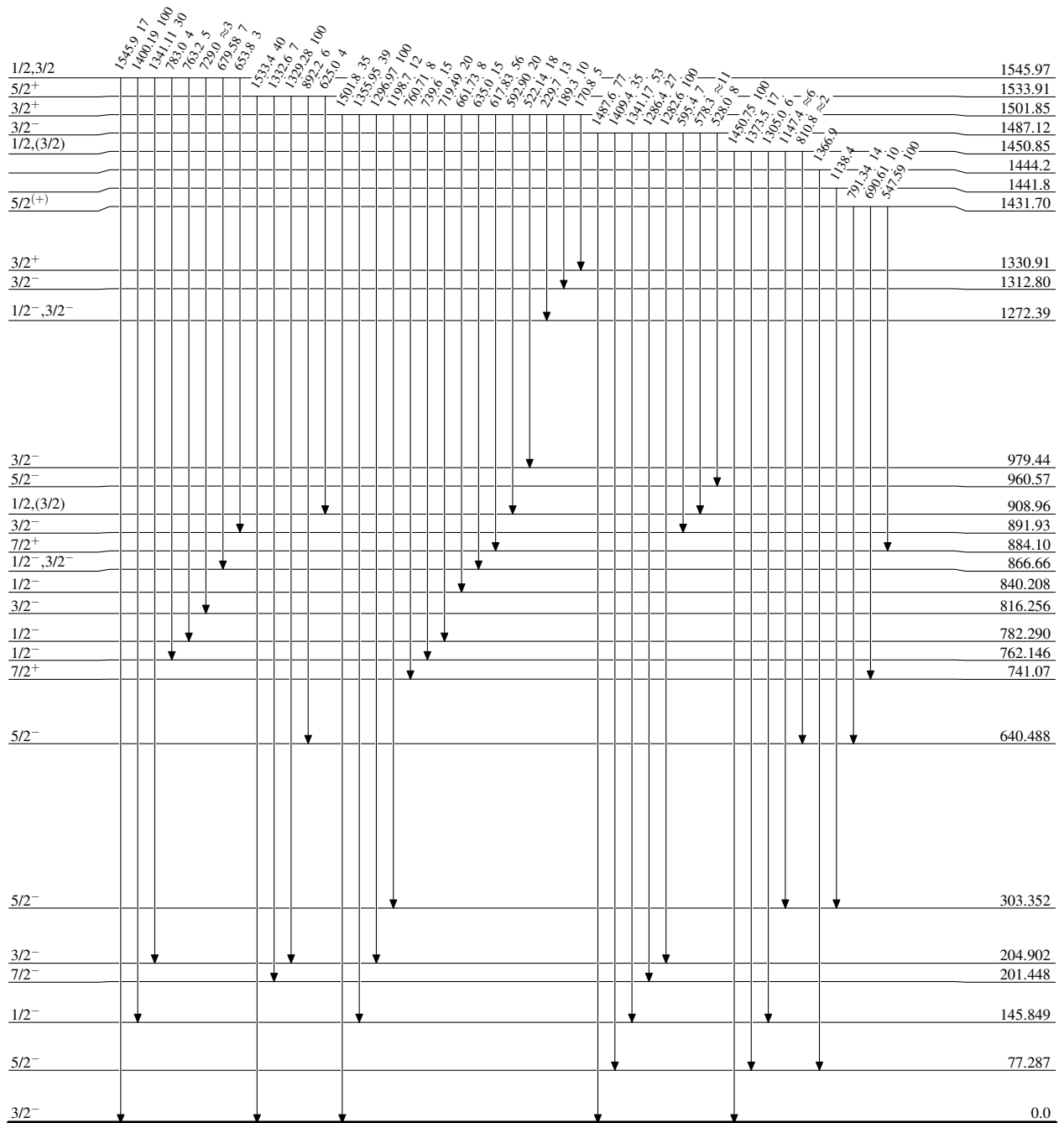
Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain) $^{187}_{74}\text{W}_{113}$

$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

Intensities: Relative photon branching from each level

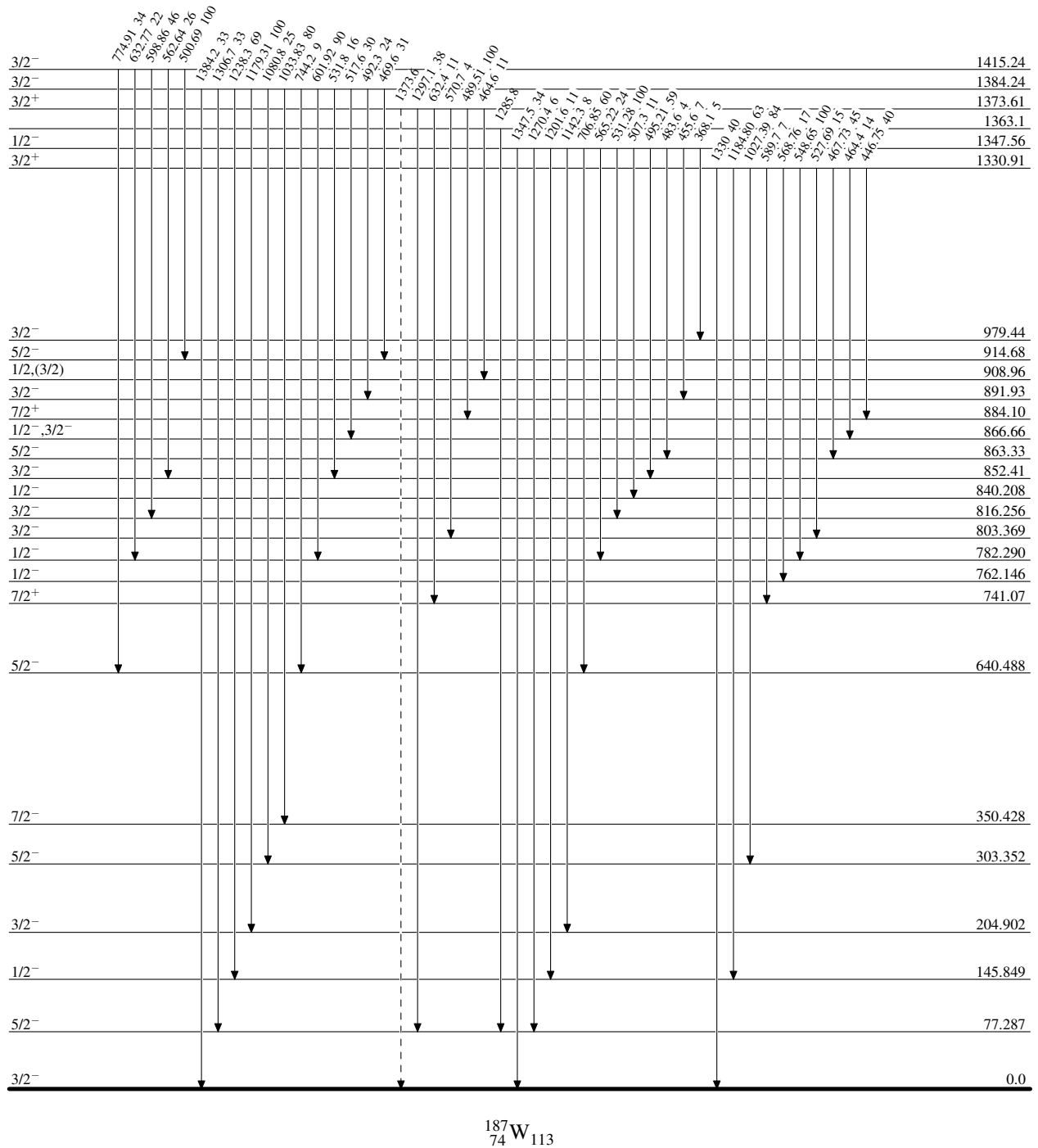


$^{186}\text{W}(n,\gamma), ^{186}\text{W}(\text{pol } n,\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

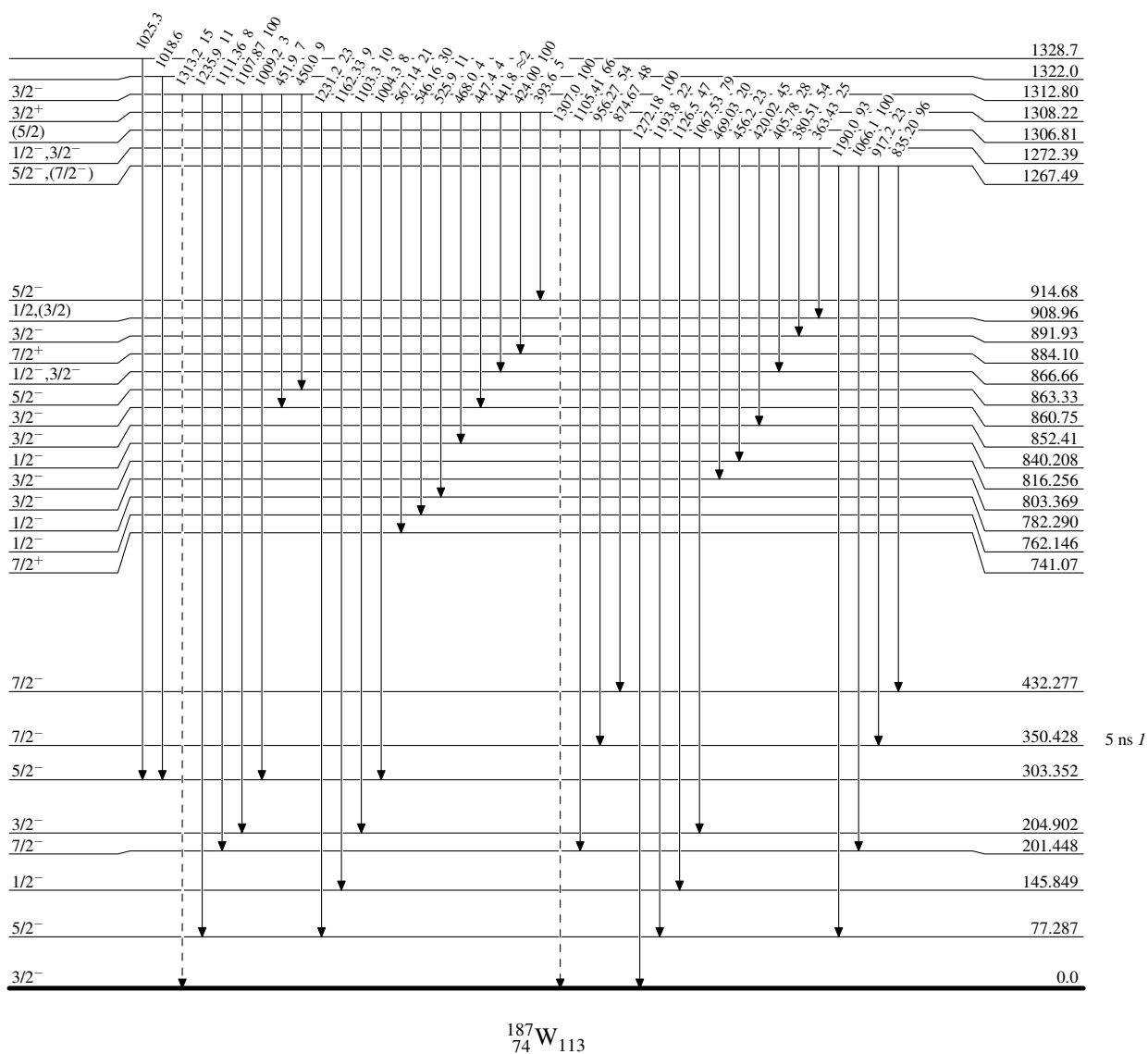
-----► γ Decay (Uncertain)

$^{186}\text{W}(n,\gamma), ^{186}\text{W}(\text{pol } n,\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Legend

Level Scheme (continued)

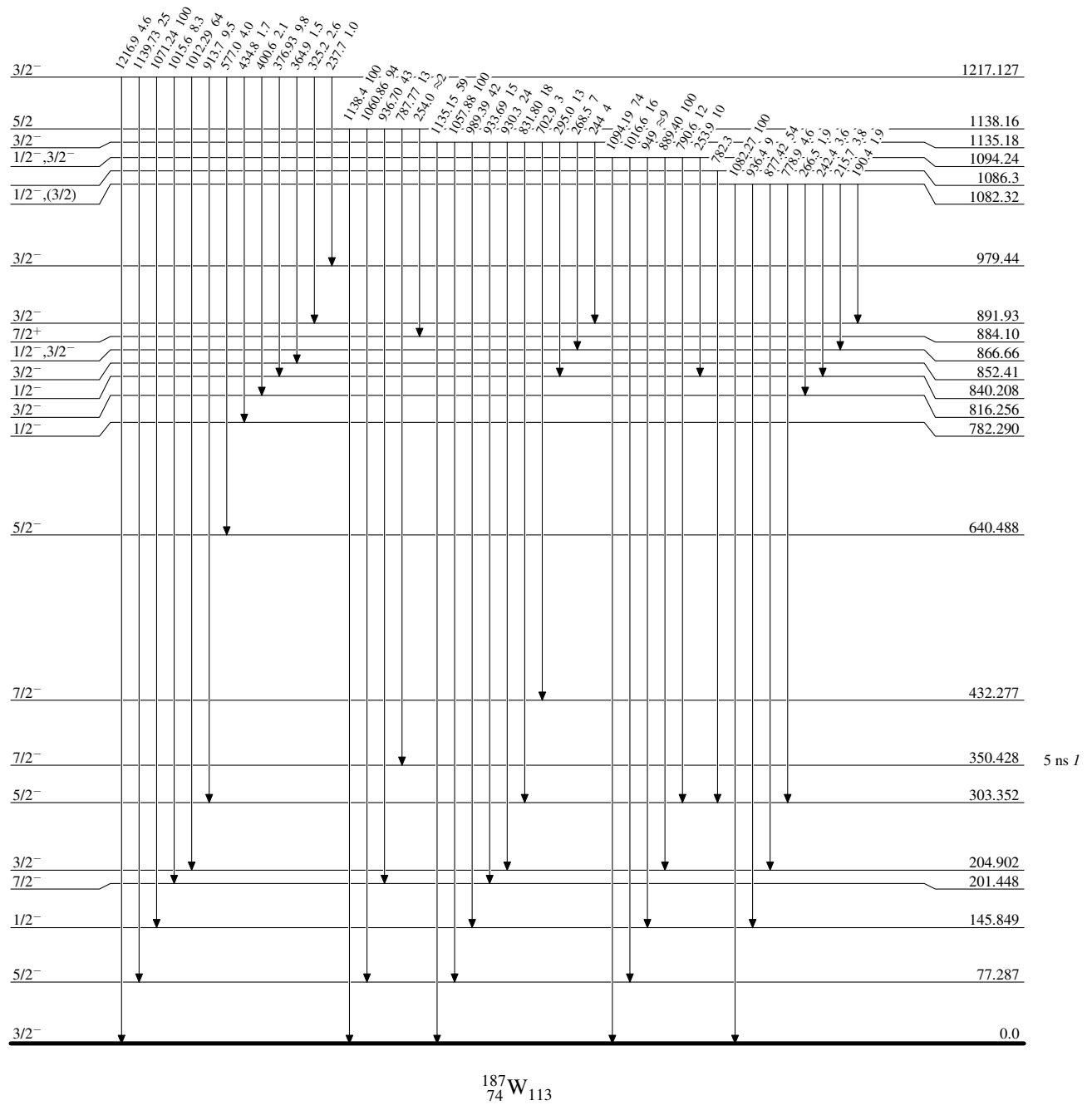
Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain) $^{187}_{74}\text{W}_{113}$

$^{186}\text{W}(n,\gamma), ^{186}\text{W}(\text{pol } n,\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

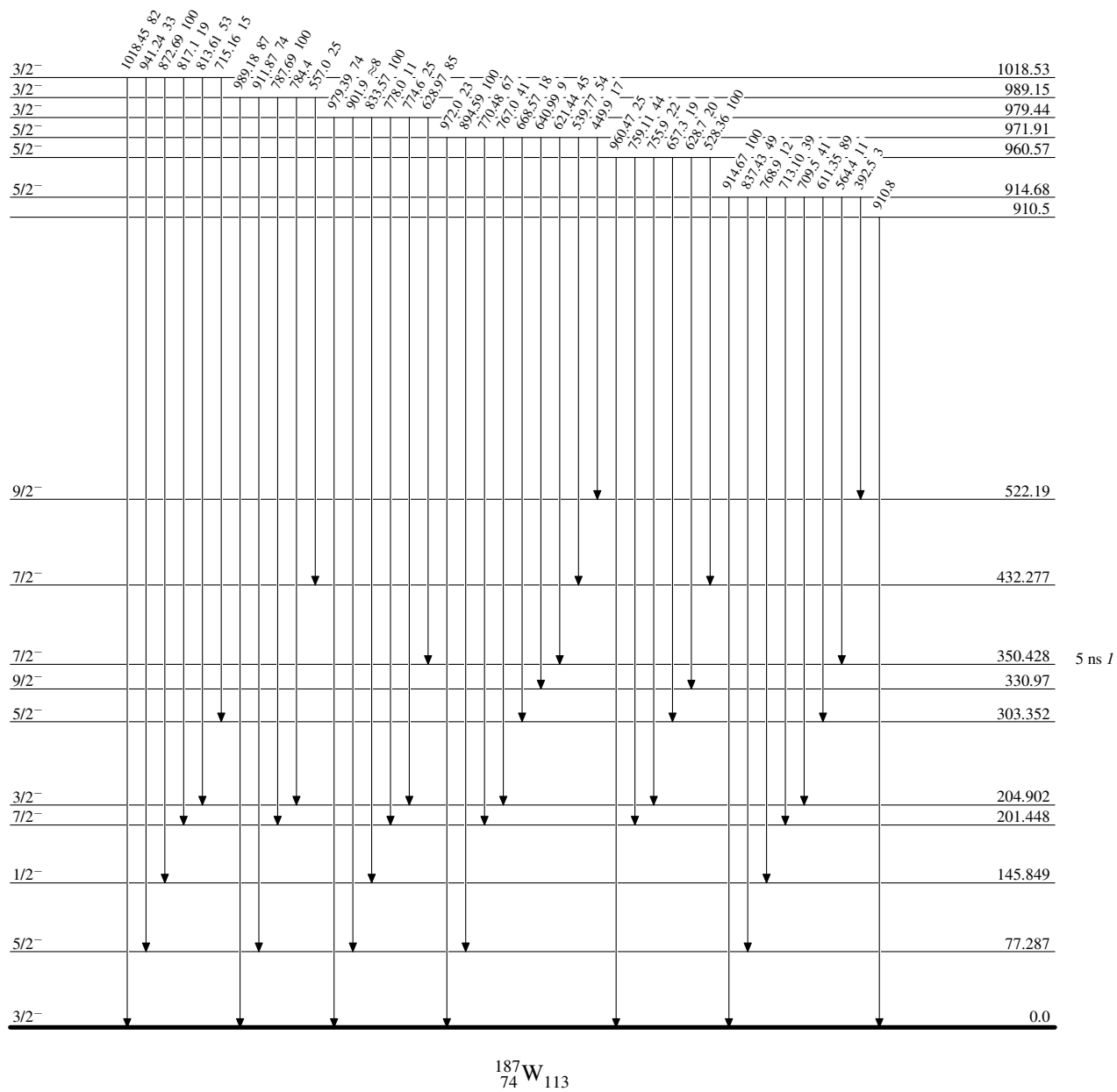
Intensities: Relative photon branching from each level



$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

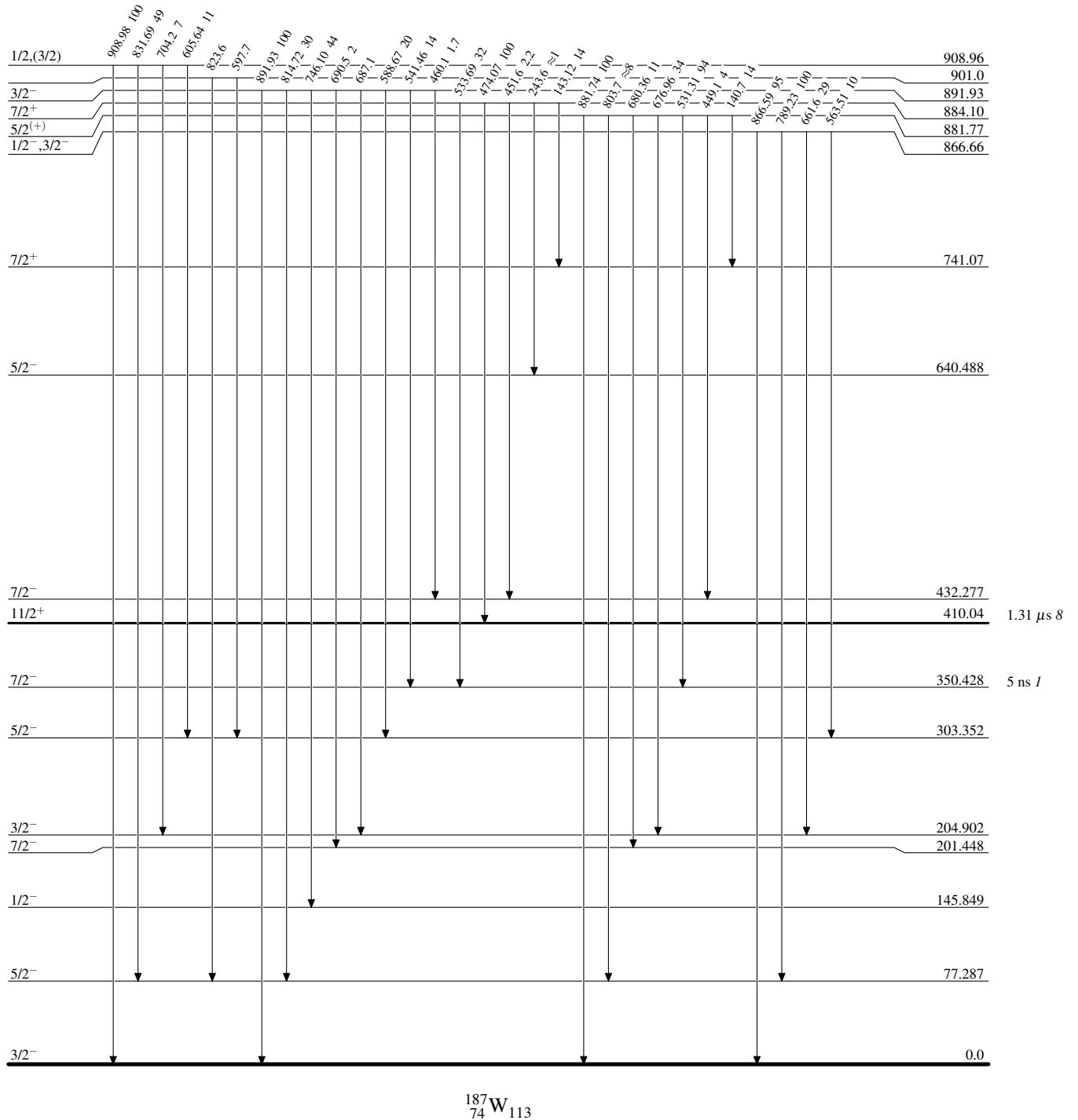
Intensities: Relative photon branching from each level



$^{186}\text{W}(\text{n},\gamma), ^{186}\text{W}(\text{pol n},\gamma) \text{ E=th}$ 2008Bo26,2008SuZW,1973PrYV

Level Scheme (continued)

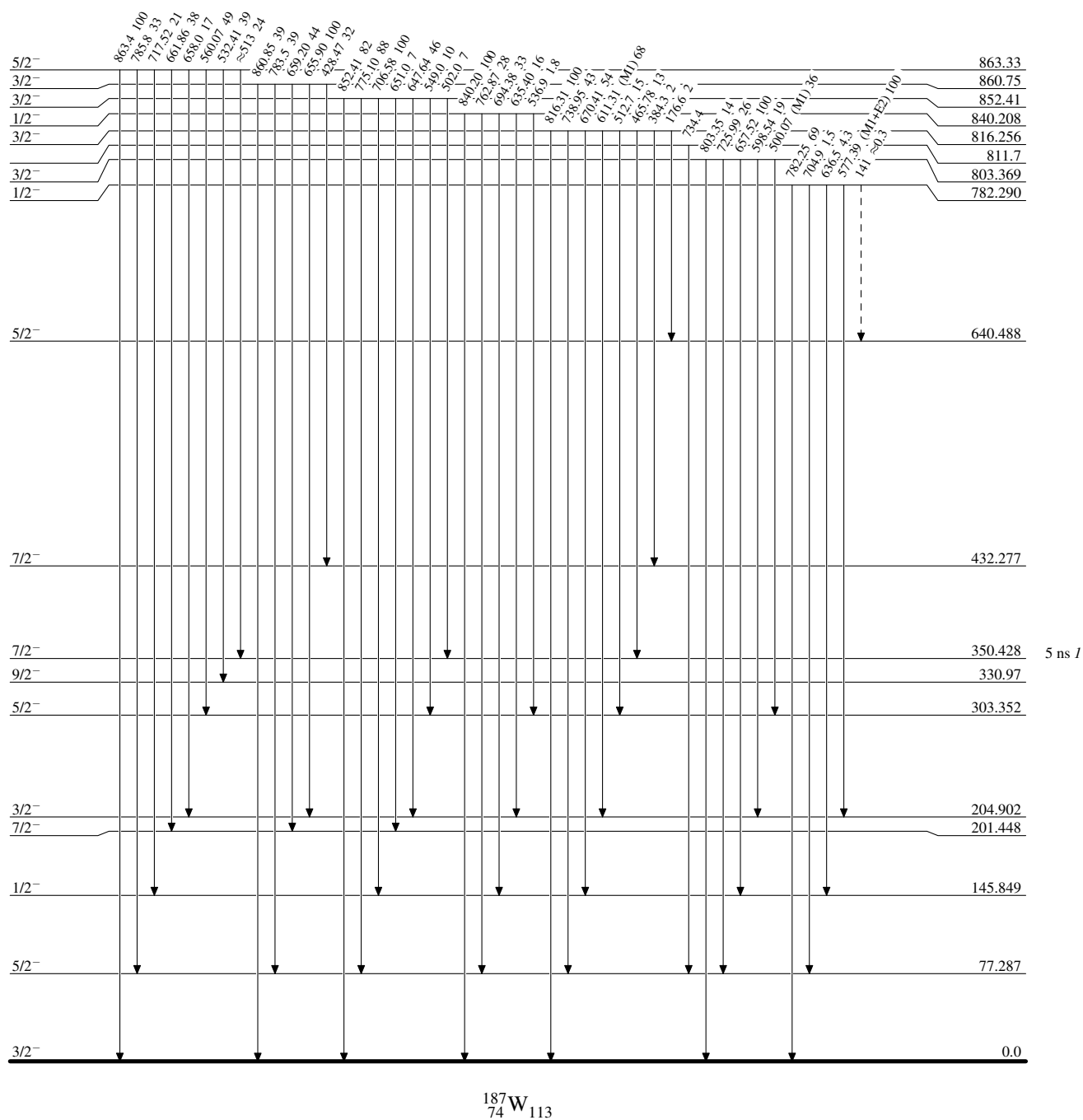
Intensities: Relative photon branching from each level



Legend

Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain)



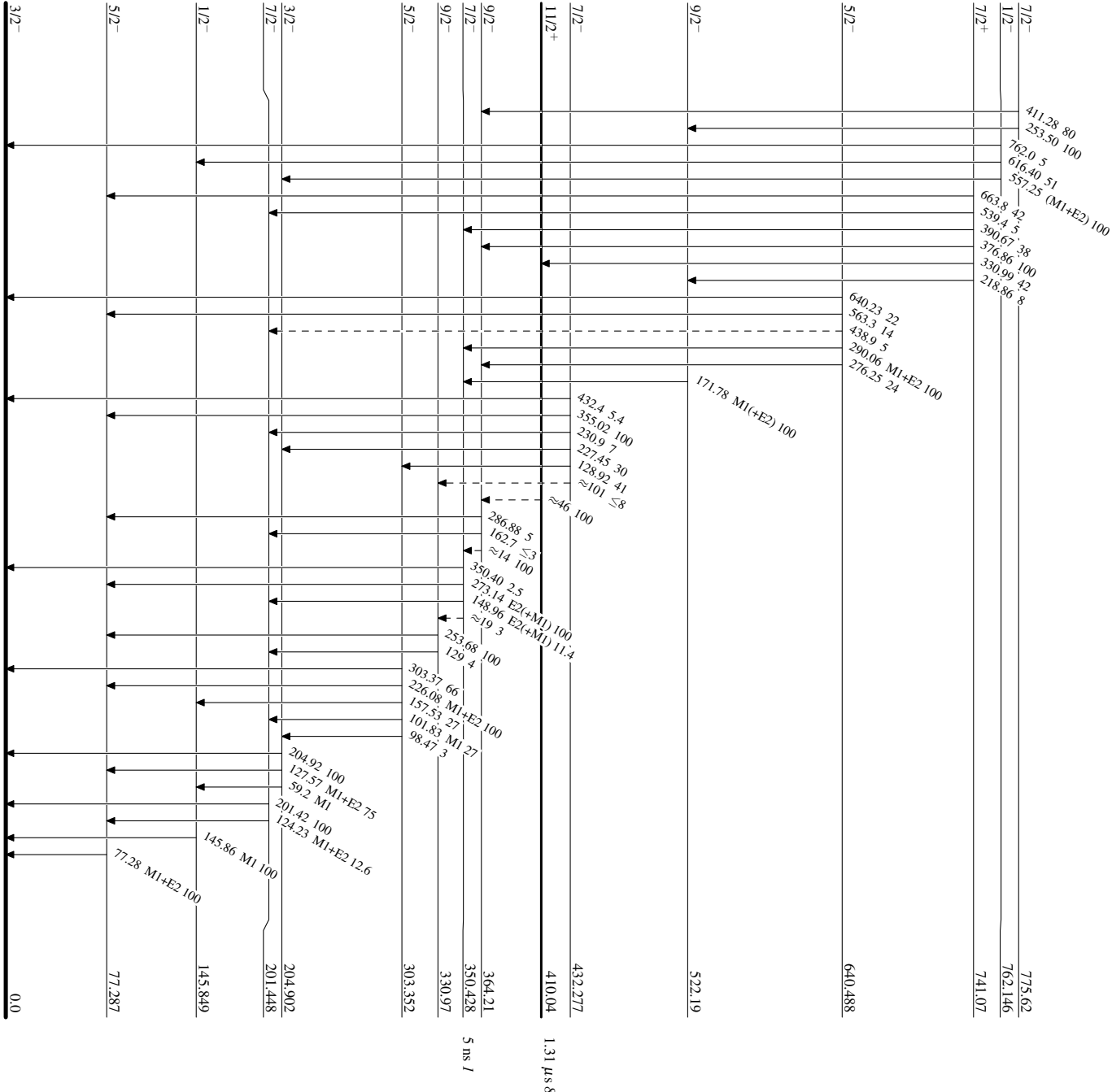
¹⁸⁶W(n,γ), ¹⁸⁶W(pol n,γ) E=th 2008Bo26,2008SuZW,1973PrYV

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

-----▶ γ Decay (Uncertain)



¹⁸⁷W
₇₄ 113