^{95}Mo(n,γ) E=thermal 1970He27

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni	NDS 109,2501 (2008)	1-Apr-2008

J(^{95}Mo)=5/2$^+$.

Measured: Eγ, Iγ, γγ, and γγ(θ) (1970He27); circular pol (1970Ei03,1971DjZZ).

2007ChZX provides a comprehensive list of gamma rays and their corresponding cross sections for materials following neutron capture at thermal energies.

^{96}Mo Levels

E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡
0	0$^+$	2234.58 *10*	3$^-$	2734.52 *12*	4$^+$	3133.75 *16*	
778.27 *8*	2$^+$	2426.23 *14*	2$^+$	2754.46 *19*	6$^+$	3178.4 *3*	3$^-$
1147.93 *13*	0$^+$	2438.35 *11*	5$^+$	2786.85 *19*		3186.77 *21*	4$^+$
1497.81 *8*	2$^+$	2440.61 *15*	6$^+$	2790.28 *13*		3202.78 *14*	
1625.94 *9*	2$^+$	2481.04 *12*	(2$^+$,3)	2818.43 *16*		3283.94 *24*	
1628.15 *9*	4$^+$	2500.9 *3*	(1)	2975.16 *12*	5$^+$	3334.95 *20*	
1869.56 *9*	4$^+$	2540.44 *12*	(3$^+$)	2986.91 *20*		3416.66 *19*	4$^+$
1978.25 *10*	3$^+$	2594.19 *12*	3$^+$	3024.61 *13*	2$^+$	3441.61 *21*	4$^+$
2095.58 *13*	2$^+$	2624.54 *22*	5$^+$	3053.15 *17*	(4$^+$)	3551.6 *3*	3
2219.34 *10*	4$^+$	2700.01 *14*	2$^+$	3087.31 *24*		9154.15 *13*	2$^+$,3$^+$#

† From least-squares fit to Eγ.

‡ Adopted values.

s wave n-capture state from 5/2$^+$ target.

^{95}Mo(n,γ) E=thermal 1970He27 (continued)

$\gamma(^{96}Mo)$

No primary γ to g.s. was found (Iγ<0.002) (1970He27).
See 1970He27 for the results of $\gamma\gamma(\theta)$.

E_γ	I_γ [@]	E_i(level)	J_i^π	E_f	J_f^π	Comments
159.63 *14*	0.050 *5*	2700.01	2^+	2540.44	(3^+)	
192.7 *2*	0.020 *5*	2786.85		2594.19	3^+	
[x]203.8 *2*	0.040 *5*					
[x]206.1 *3*	0.020 *5*					
218.98 *13*	0.050 *5*	2438.35	5^+	2219.34	4^+	
229.9 *6*	0.02 *1*	3416.66	4^+	3186.77	4^+	
[x]235.9 *3*	0.03 *1*					
[x]239.4 *3*	0.04 *1*					
241.2 *2*	0.55 *3*	1869.56	4^+	1628.15	4^+	
241.2 *2*	0.55 *3*	2219.34	4^+	1978.25	3^+	
[x]259.2 *5*	0.010 *5*					
[x]266.8 *4*	0.015 *5*					
[x]279.50 *14*	0.16 *1*					
283.0 *2*	0.025 *5*	3416.66	4^+	3133.75		
[x]288.5 *2*	0.02 *1*					
293.9 *4*	0.015 *5*	2734.52	4^+	2440.61	6^+	
298.7 *3*	0.020 *5*	3053.15	(4^+)	2754.46	6^+	
349.7 *2*	0.18 *2*	1978.25	3^+	1628.15	4^+	I_γ: from Branching of 350γ and 1200γ in ε decay of 52 min ^{96}Tc.
349.7 *2*	0.61 *6*	2219.34	4^+	1869.56	4^+	I_γ: from Iγ(doublet 350γ) and I(350γ) from 1978 level.
352.3 *2*	0.19 *2*	1978.25	3^+	1625.94	2^+	
364.90 *13*	0.34 *3*	2234.58	3^-	1869.56	4^+	
369.67 *12*	0.98 *5*	1147.93	0^+	778.27	2^+	
371.63 *13*	0.30 *2*	1869.56	4^+	1497.81	2^+	
405.1 *3*	0.04 *1*	2624.54	5^+	2219.34	4^+	
[x]406.5 *3*	0.05 *1*					
423.9[a] *4*	0.025 *10*	3178.4	3^-	2754.46	6^+	
434.6 *2*	0.08 *1*	2975.16	5^+	2540.44	(3^+)	
459.88 *12*	0.37 *2*	2438.35	5^+	1978.25	3^+	
468.3 *3*	0.12 *5*	3202.78		2734.52	4^+	
480.5 *2*	0.87 *15*	1978.25	3^+	1497.81	2^+	
[x]516.1 *9*	0.03 *3*					
555.5 *2*	0.10 *2*	2790.28		2234.58	3^-	
568.80 *12*	0.76 *5*	2438.35	5^+	1869.56	4^+	
591.19 *13*	0.78 *5*	2219.34	4^+	1628.15	4^+	
593.2 *2*	0.37 *5*	2219.34	4^+	1625.94	2^+	
593.2 *2*	0.37 *5*	3133.75		2540.44	(3^+)	

$^{96}_{42}Mo_{54}$-2

^{95}Mo(n,γ) E=thermal 1970He27 (continued)

γ(^{96}Mo) (continued)

E_γ	I_γ[@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[#]	α[&]
608.67 *11*	3.60 *20*	2234.58	3^-	1625.94	2^+	(E1)		0.00095
611.4 *2*	0.30 *3*	2481.04	$(2^+,3)$	1869.56	4^+			
615.8 *2*	0.25 *3*	2594.19	3^+	1978.25	3^+			
626.8 *3*	0.06 *2*	3053.15	(4^+)	2426.23	2^+			
705.7 *2*	0.09 *1*	3186.77	4^+	2481.04	$(2^+,3)$			
[x]709.7 *6*	0.025 *10*							
719.53 *11*	8.9 *5*	1497.81	2^+	778.27	2^+	(M1+E2)	+0.44 *+3–4*	0.00170
721.57 *15*	0.77 *8*	2219.34	4^+	1497.81	2^+			
736.86 *11*	3.50 *20*	2234.58	3^-	1497.81	2^+			
740.7 *2*	0.29 *5*	2975.16	5^+	2234.58	3^-			
740.7 *2*	0.29 *5*	3334.95		2594.19	3^+			
746.8 *9*	0.06 *5*	3186.77	4^+	2440.61	6^+			
755.6 *2*	0.32 *2*	2975.16	5^+	2219.34	4^+			
778.26 *10*	62.00	778.27	2^+	0	0^+			
[x]790.57 *12*	0.62 *5*							
800.36 *13*	0.33 *3*	2426.23	2^+	1625.94	2^+			
810.8 *2*	0.23 *5*	2438.35	5^+	1628.15	4^+			
812.48 *13*	0.66 *5*	2440.61	6^+	1628.15	4^+			
[x]819.5 *2*	0.16 *3*							
847.67 *11*	10.6 *6*	1625.94	2^+	778.27	2^+	(M1+E2)	−1.05 *+9–10*	0.00116
849.95 *11*	13.3 *7*	1628.15	4^+	778.27	2^+			
853.03 *15*	1.18 *10*	2481.04	$(2^+,3)$	1628.15	4^+			
864.82 *12*	0.50 *3*	2734.52	4^+	1869.56	4^+			
[x]882.8 *4*	0.06 *2*							
891.5 *2*	0.09 *2*	2986.91		2095.58	2^+			
[x]902.4 *4*	0.06 *2*							
914.6 *3*	0.11 *3*	2540.44	(3^+)	1625.94	2^+			
914.6 *3*	0.11 *3*	3133.75		2219.34	4^+			
[x]925.5 *5*	0.06 *2*							
928.4 *5*	0.06 *3*	2426.23	2^+	1497.81	2^+			
[x]934.7 *5*	0.04 *3*							
[x]944.2 *4*	0.07 *3*							
947.8 *3*	0.09 *2*	2095.58	2^+	1147.93	0^+			
960.7 *3*	0.12 *3*	3441.61	4^+	2481.04	$(2^+,3)$			
966.3 *2*	0.29 *5*	2594.19	3^+	1628.15	4^+			
968.21 *12*	0.99 *5*	2594.19	3^+	1625.94	2^+			
968.21 *12*	0.99 *5*	3202.78		2234.58	3^-			
976.2 *6*	0.05 *3*	3416.66	4^+	2440.61	6^+			
983.1 *2*	0.17 *3*	2481.04	$(2^+,3)$	1497.81	2^+			
991.7 *4*	0.09 *3*	3087.31		2095.58	2^+			
997.3 *2*	0.29 *3*	2975.16	5^+	1978.25	3^+			

$^{96}_{42}Mo_{54}$-3

^{95}Mo(n,γ) E=thermal 1970He27 (continued)

γ(^{96}Mo) (continued)

E_γ	I_γ[@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[#]	α[&]
1003.6[†] *7*	0.05 *3*	2500.9	(1)	1497.81	2^+			
[x]1013.2 *3*	0.09 *3*							
1042.7 *2*	0.23 *3*	2540.44	(3^+)	1497.81	2^+			
1046.2 *2*	0.16 *3*	3024.61	2^+	1978.25	3^+			
1049.6 *5*	0.06 *3*	3283.94		2234.58	3^-			
[x]1052.7 *2*	0.17 *3*							
1074.1 *3*	0.16 *5*	2700.01	2^+	1625.94	2^+			
1091.30 *11*	6.27 *40*	1869.56	4^+	778.27	2^+	(E2+M3)	−0.06 *+5−6*	0.00057
1096.7 *5*	0.25 *10*	2594.19	3^+	1497.81	2^+			
1106.44 *13*	0.92 *5*	2734.52	4^+	1628.15	4^+			
1109.1 *5*	0.12 *5*	2734.52	4^+	1625.94	2^+			
1109.1 *5*	0.12 *5*	3087.31		1978.25	3^+			
1126.3 *2*	0.17 *3*	2754.46	6^+	1628.15	4^+			
[x]1138.5 *5*	0.06 *3*							
1155.4 *2*	0.19 *5*	3024.61	2^+	1869.56	4^+			
1164.50 *14*	0.48 *5*	2790.28		1625.94	2^+			
1190.23 *14*	0.75 *5*	2818.43		1628.15	4^+			
1200.1 *4*	3.44 *30*	1978.25	3^+	778.27	2^+	(M1+E2)	+0.40 *+10−9*	0.00048
1202.1 *2*	0.72 *8*	2700.01	2^+	1497.81	2^+			
[x]1238.1 *2*	0.42 *5*							
[x]1240.9 *4*	0.14 *5*							
[x]1301.0 *5*	0.09 *5*							
[x]1307.9 *4*	0.11 *5*							
1317.33 *12*	2.79 *15*	2095.58	2^+	778.27	2^+			
1320.9 *5*	0.09 *5*	2818.43		1497.81	2^+			
1320.9 *5*	0.09 *5*	3416.66	4^+	2095.58	2^+			
1346.8 *2*	0.34 *5*	2975.16	5^+	1628.15	4^+			
1352.9[†] *3*	0.17 *5*	2500.9	(1)	1147.93	0^+			
1360.4 *4*	0.12 *5*	2986.91		1625.94	2^+			
[x]1386.0 *2*	0.31 *5*							
1396.3 *2*	0.43 *5*	3024.61	2^+	1628.15	4^+			
1398.4 *3*	0.33 *5*	3024.61	2^+	1625.94	2^+			
[x]1404.3 *4*	0.10 *5*							
1425.1 *2*	0.35 *5*	3053.15	(4^+)	1628.15	4^+			
[x]1434.7 *8*	0.06 *5*							
1440.9 *2*	0.43 *5*	2219.34	4^+	778.27	2^+			
1456.2 *3*	0.33 *10*	2234.58	3^-	778.27	2^+			
1459.0 *5*	0.37 *10*	3087.31		1628.15	4^+			
1461.1 *8*	0.24 *10*	3087.31		1625.94	2^+			
1463.3 *4*	0.24 *10*	3441.61	4^+	1978.25	3^+			
1497.84 *11*	3.76 *20*	1497.81	2^+	0	0^+			

$^{96}_{42}Mo_{54}$-4

^{95}Mo(n,γ) E=thermal 1970He27 (continued)

γ(^{96}Mo) (continued)

E_γ	I_γ[@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[#]
1507.9 *3*	0.30 *5*	3133.75		1625.94	2^+		
[x]1528.0 *4*	0.30 *8*						
[x]1592.9 *3*	0.19 *5*						
[x]1607.5 *4*	0.17 *5*						
[x]1611.8 *3*	0.34 *5*						
1625.7 *3*	0.97 *5*	1625.94	2^+	0	0^+		
1647.6 *3*	0.56 *5*	2426.23	2^+	778.27	2^+		
1657.6 *3*	0.31 *5*	3283.94		1625.94	2^+		
1702.8 *3*	0.55 *5*	2481.04	(2^+,3)	778.27	2^+		
1709.0 *4*	0.22 *5*	3334.95		1625.94	2^+		
1761.8 *3*	0.56 *8*	2540.44	(3^+)	778.27	2^+		
[x]1793.9 *5*	0.16 *5*						
1815.4 *4*	0.19 *5*	2594.19	3^+	778.27	2^+		
1815.4 *4*	0.19 *5*	3441.61	4^+	1625.94	2^+		
[x]1826.8 *5*	0.17 *5*						
1846.3 *3*	0.66 *8*	2624.54	5^+	778.27	2^+		
[x]1856.1 *4*	0.20 *5*						
[x]1877.2 *4*	0.25 *8*						
1918.6 *5*	0.20 *8*	3416.66	4^+	1497.81	2^+		
1923.2 *3*	0.68 *8*	3551.6	3	1628.15	4^+	(M1+E2)	0.22 *18*
[x]1957.2 *3*	0.44 *5*						
2008.5 *3*	0.53 *8*	2786.85		778.27	2^+		
2011.8 *3*	0.57 *8*	2790.28		778.27	2^+		
[x]2066.8 *7*	0.18 *8*						
[x]2112.1 *3*	0.41 *8*						
[x]2132.4 *9*	0.12 *8*						
[x]2151.7 *4*	0.23 *5*						
2208.6 *7*	0.16 *10*	2986.91		778.27	2^+		
[x]2377.3 *8*	0.32 *5*						
2401.9 *10*	0.52 *8*	3178.4	3^-	778.27	2^+		
[x]2488.4 *15*	0.09 *5*						
[x]2502.2 *15*	0.19 *5*						
2507.6 *15*	0.28 *5*	3283.94		778.27	2^+		
[x]2585.4 *12*	0.26 *5*						
[x]2639.7 *15*	0.22 *5*						
2663.8 *15*	1.24 *20*	3441.61	4^+	778.27	2^+		
[x]4874.9 *4*	0.11 *1*						
[x]4880.1 *4*	0.19 *2*						
[x]4886.3 *4*	0.13 *1*						
[x]4891.4 *12*	0.016 *8*						
[x]4907.4 *4*	0.13 *1*						

$^{96}_{42}Mo_{54}$-5

^{95}Mo(n,γ) E=thermal 1970He27 (continued)

γ(^{96}Mo) (continued)

E_γ	I_γ @	E_i(level)	E_γ	I_γ @	E_i(level)	J_i^π	E_f	J_f^π
x4914.3 5	0.095 8		x5227.2 8	0.021 8				
x4919.9 5	0.067 8		x5247.2 5	0.61 4				
x4924.2 4	0.50 4		x5252.8 5	0.055 8				
x4933.6 4	0.69 4		x5260.8 8	0.034 8				
x4941.6 4	0.22 2		x5264.8 8	0.042 8				
x4952.0 5	0.088 15		x5279.5 10	0.017 8				
x4956.2 4	0.26 2		x5284.3 5	0.25 2				
x4974.5 5	0.076 8		x5317.4 5	0.097 8				
x4985.4 5	0.063 8		x5326.2 5	0.066 8				
x4991.0 5	0.19 2		x5332.3 5	0.077 10				
x4999.9 5	0.15 1		x5347.6 5	0.054 8				
x5003.8 6	0.044 8		x5377.1 5	0.035 5				
x5008.9 5	0.17 1		x5389.6 5	0.11 3				
x5014.2 9	0.026 8		x5395.8 5	0.092 8				
x5018.4 5	0.058 8		x5404.8 5	0.25 2				
x5027.4 5	0.055 8		x5418.8 5	0.055 8				
x5038.9 12	0.025 15		x5424.1 10	0.017 8				
x5042.3 5	0.26 2		x5428.6 5	0.10 1				
x5057.2 5	0.039 8		x5447.3 7	0.042 8				
x5062.8 5	0.14 1		x5459.1 5	0.15 1				
x5072.2 5	0.081 8		x5464.5 7	0.038 8				
x5077.4 5	0.076 8		x5468.2 8	0.029 8				
x5089.6 8	0.02 1		x5474.8 5	0.091 1				
x5096.3 5	0.06 1		x5485.7 5	0.092 1				
x5104.4 9	0.05 2		x5517.1 7	0.025 5				
x5107.8 5	0.14 2		x5524.7 6	0.031 5				
x5118.1 5	0.17 2		x5531.1 6	0.49 5				
x5124.4 9	0.045 2		x5544.4 5	0.53 3				
x5127.3 5	0.21 2		x5566.1 5	0.10 1				
x5133.2 5	0.037 8		5601.9 5	0.93 5	9154.15	2+,3+	3551.6	3
x5140.8 5	0.15 1		x5613.8 6	0.16 3				
x5148.0 14	0.010 8		x5650.1 5	0.24 2				
x5160.9 5	0.048 8		x5660.5 6	0.018 1				
x5172.9 5	0.064 1		x5671.3 6	0.05 1				
x5177.4 5	0.11 1		x5682.7 6	0.05 1				
x5187.3 11	0.018 10		x5689.4 8	0.05 2				
x5193.3 5	0.092 10		x5693.9 5	0.11 2				
x5196.5 9	0.029 10		x5705.7 6	0.05 1				
x5202.4 11	0.015 8		5712.3 5	1.82 9	9154.15	2+,3+	3441.61	4+
x5215.7 5	0.18 2		x5720.8 10	0.066 15				
x5222.1 5	0.12 1		x5727.0 9	0.038 8				

^{95}Mo(n,γ) E=thermal 1970He27 (continued)

γ(^{96}Mo) (continued)

E_γ	I_γ [@]	E_i(level)	J_i^π	E_f	J_f^π
5737.6 *5*	0.47 *3*	9154.15	$2^+,3^+$	3416.66	4^+
[x]5760.9 *9*	0.025 *8*				
[x]5780.1 *5*	0.033 *5*				
[x]5791.4 *7*	0.030 *5*				
5818.6 *5*	0.31 *2*	9154.15	$2^+,3^+$	3334.95	
[x]5826.4 *5*	0.046 *5*				
[x]5842.1 *7*	0.018 *5*				
[x]5854.5 *5*	0.037 *5*				
[x]5862.2 *6*	0.021 *5*				
5869.4 *5*	0.13 *1*	9154.15	$2^+,3^+$	3283.94	
[x]5876.3 *5*	0.047 *5*				
[x]5900.8 *5*	0.027 *5*				
[x]5908.1 *13*	0.010 *5*				
[x]5914.6 *10*	0.023 *8*				
[x]5921.0 *5*	0.035 *5*				
[x]5929.9 *12*	0.010 *5*				
5951.6 *5*	0.62 *3*	9154.15	$2^+,3^+$	3202.78	
5967.4 *10*	0.033 *8*	9154.15	$2^+,3^+$	3186.77	4^+
5976.0 *6*	0.061 *7*	9154.15	$2^+,3^+$	3178.4	3^-
[x]5987.5 *10*	0.011 *5*				
[x]5998.3 *7*	0.019 *5*				
6019.8 *5*	0.20 *2*	9154.15	$2^+,3^+$	3133.75	
6066.4 *5*	0.17 *4*	9154.15	$2^+,3^+$	3087.31	
6101.4 *6*	0.033 *8*	9154.15	$2^+,3^+$	3053.15	(4^+)
6128.9 *5*	0.65 *3*	9154.15	$2^+,3^+$	3024.61	2^+
6167.3 *6*	0.041 *5*	9154.15	$2^+,3^+$	2986.91	
6178.7 *5*	0.10 *1*	9154.15	$2^+,3^+$	2975.16	5^+
[x]6192.8 *8*	0.02 *1*				
[x]6197.9 *17*	0.011 *5*				
[x]6203.2 *9*	0.018 *5*				
6335.2 *5*	0.038 *5*	9154.15	$2^+,3^+$	2818.43	
[x]6347.9 *8*	0.02 *1*				
6363.9 *5*	0.80 *4*	9154.15	$2^+,3^+$	2790.28	
6367.2 *6*	0.075 *20*	9154.15	$2^+,3^+$	2786.85	
[x]6390.7 *11*	0.014 *6*				
6418.2 *6*	0.024 *5*	9154.15	$2^+,3^+$	2734.52	4^+
[x]6449.7 *8*	0.021 *5*				
6454.2 *5*	0.20 *1*	9154.15	$2^+,3^+$	2700.01	2^+
[x]6507.1 *6*	0.013 *5*				
6529.1 *7*	0.09 *1*	9154.15	$2^+,3^+$	2624.54	5^+
6559.7 *6*	0.14 *1*	9154.15	$2^+,3^+$	2594.19	3^+
[x]6576.5 *9*	0.013 *5*				
[x]6583.2 *12*	0.010 *5*				
6613.9 *6*	0.11 *1*	9154.15	$2^+,3^+$	2540.44	(3^+)
6673.0 *5*	0.49 *3*	9154.15	$2^+,3^+$	2481.04	$(2^+,3)$
[x]6705.2 *7*	0.016 *5*				
6715.5 *6*	0.045 *5*	9154.15	$2^+,3^+$	2438.35	5^+
6728.1 *6*	0.078 *10*	9154.15	$2^+,3^+$	2426.23	2^+
[x]6743.9 *9*	0.012 *5*				
[x]6759.8 *10*	0.012 *8*				
[x]6767.5 *12*	0.014 *5*				
[x]6787.0 *9*	0.012 *5*				
6919.4 *5*	4.20	9154.15	$2^+,3^+$	2234.58	3^-
6934.5 *12*	0.046 *15*	9154.15	$2^+,3^+$	2219.34	4^+
7058.4 *8*	0.021 *5*	9154.15	$2^+,3^+$	2095.58	2^+
7176.2 *8*	0.026 *5*	9154.15	$2^+,3^+$	1978.25	3^+
7528.1 *6*	0.94 *4*	9154.15	$2^+,3^+$	1625.94	2^+
7656.4 *7*	0.13 *1*	9154.15	$2^+,3^+$	1497.81	2^+
8375.8 *8*	0.78 *4*	9154.15	$2^+,3^+$	778.27	2^+

† Not placed by 1970He27, but placement is known from other experiment.
‡ From γγ(θ).
# From γγ(θ) if mult(778γ)=E2.
@ For intensity per 100 neutron captures, multiply by 1.0 *3*.
& Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.
[a] Placement of transition in the level scheme is uncertain.
[x] γ ray not placed in level scheme.

$^{96}_{42}Mo_{54}$-7

^{95}Mo(n,γ) E=thermal 1970He27

Level Scheme

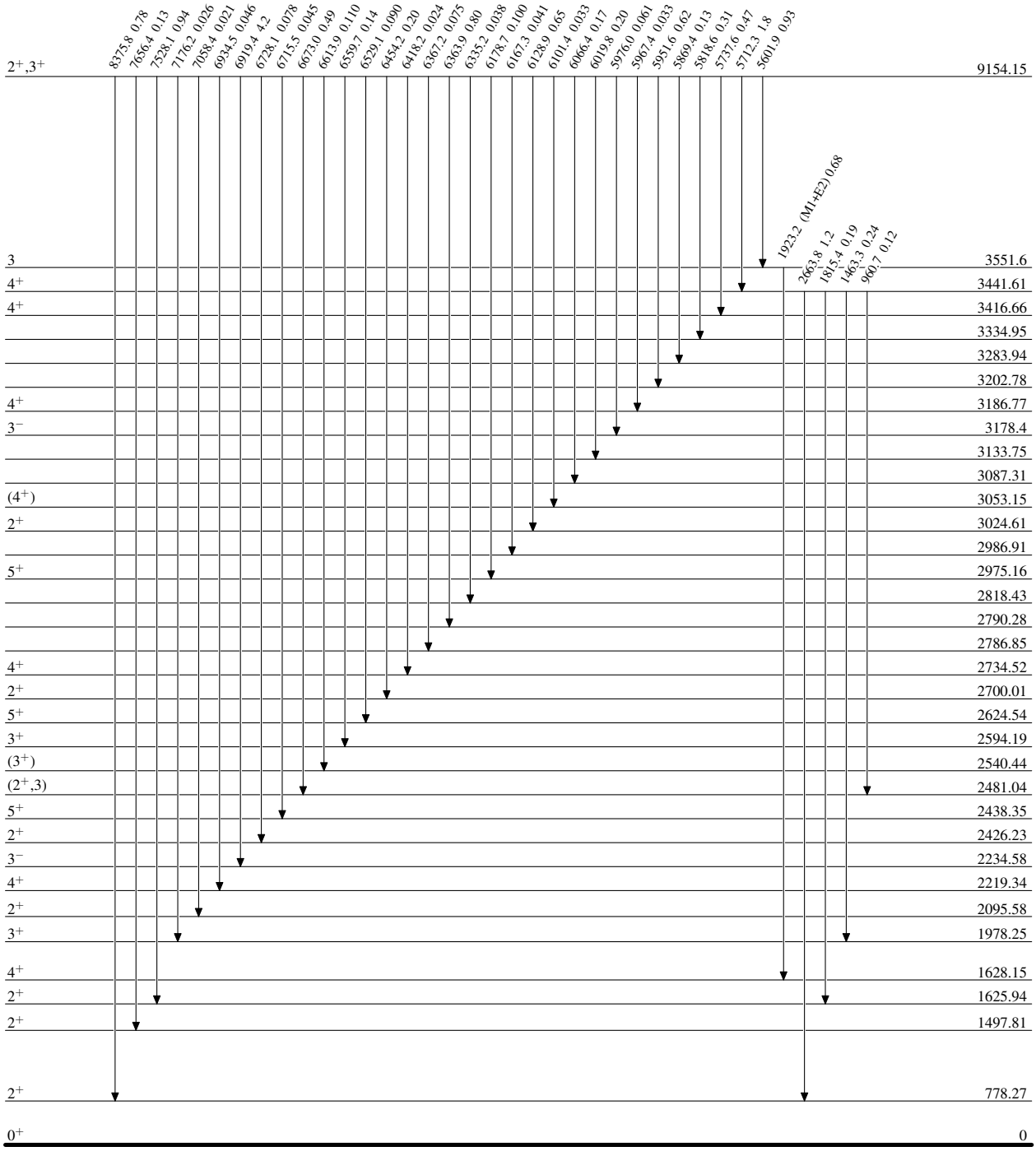
Intensities: I_γ per 100 neutron captures

Legend

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

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

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



$^{96}_{42}Mo_{54}$

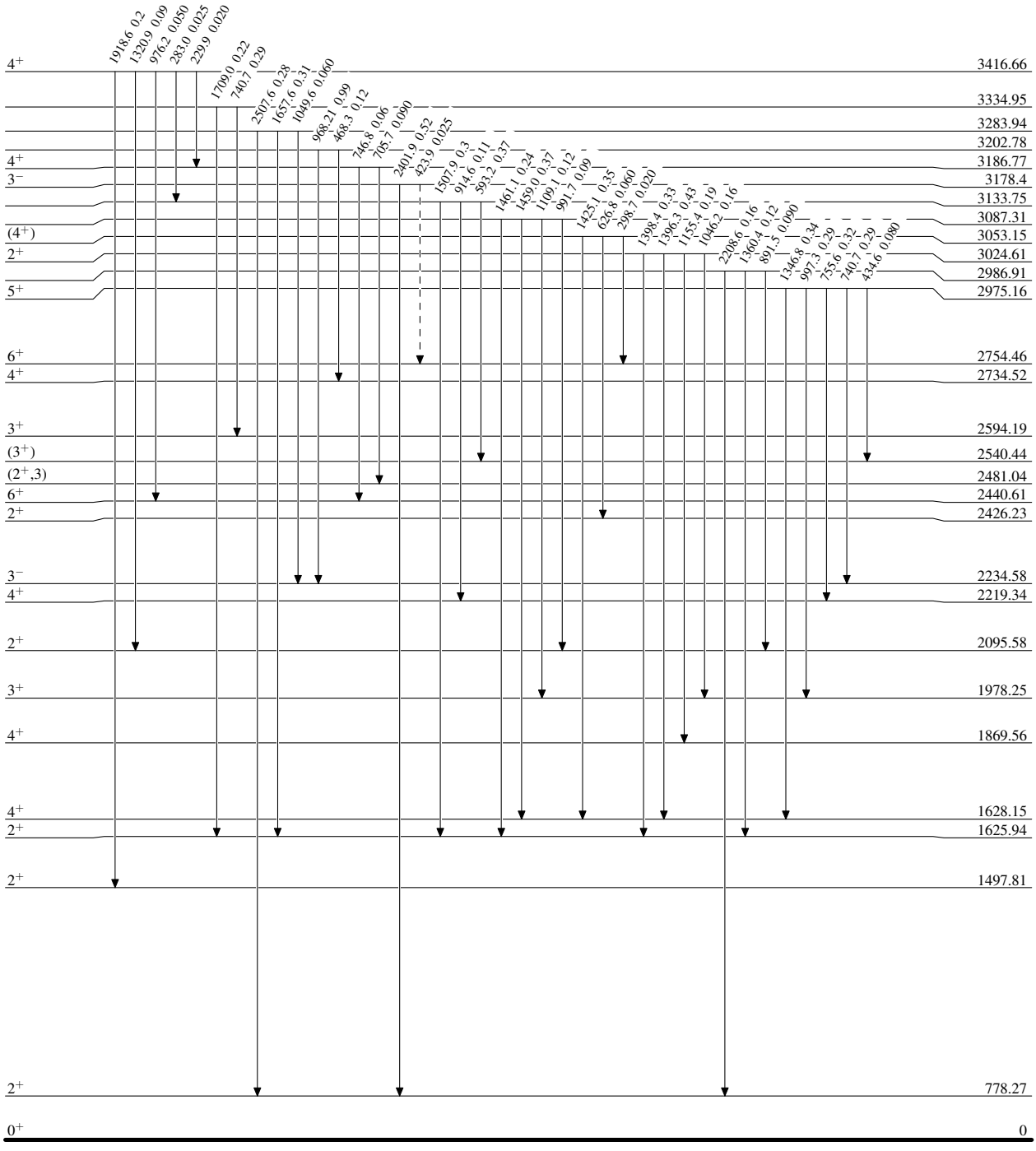
^{95}Mo(n,γ) E=thermal 1970He27

Level Scheme (continued)

Intensities: I_γ per 100 neutron captures

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)



$^{96}_{42}Mo_{54}$

^{95}Mo(n,γ) E=thermal 1970He27

Level Scheme (continued)

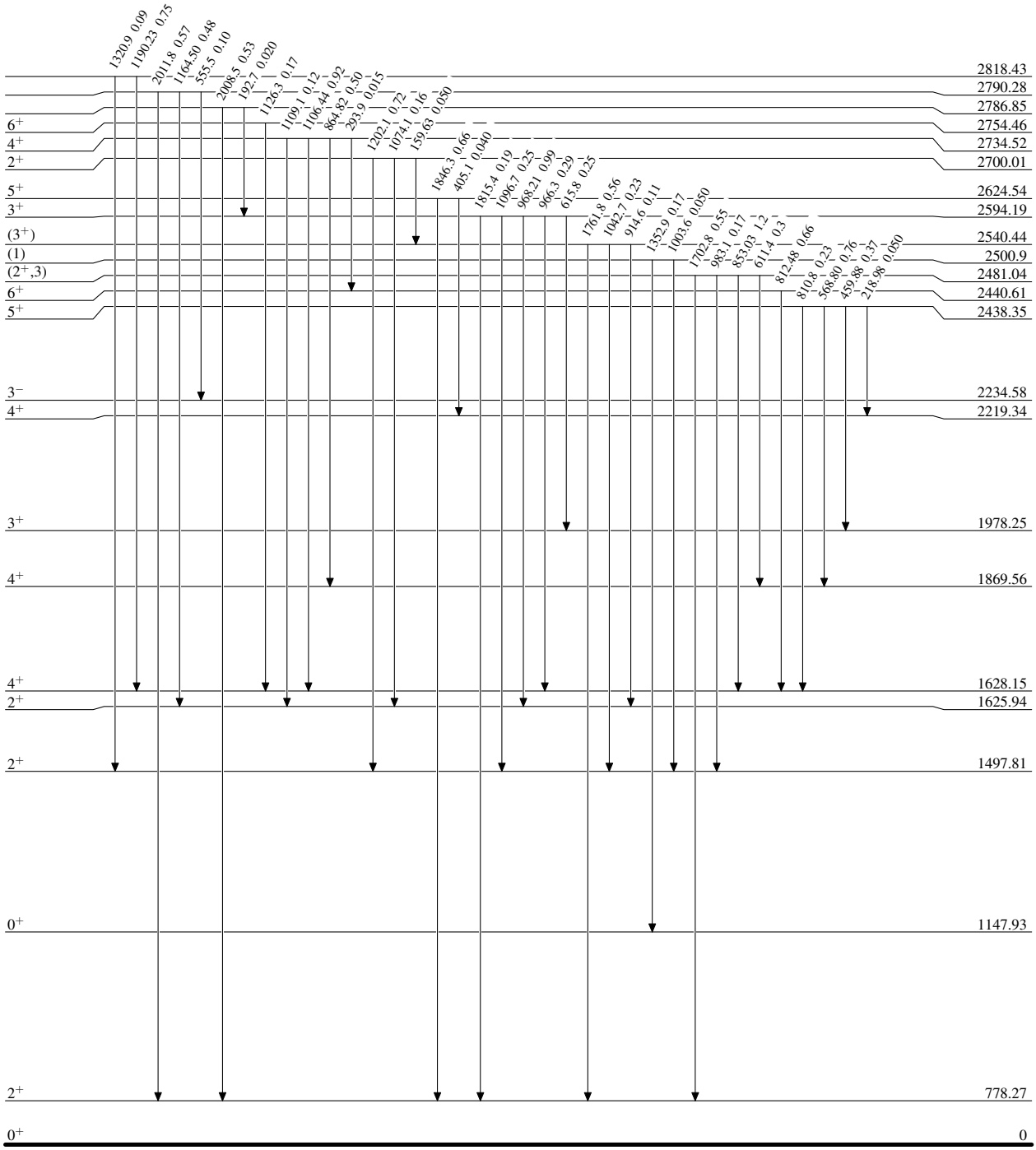
Intensities: I_γ per 100 neutron captures

Legend

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

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

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

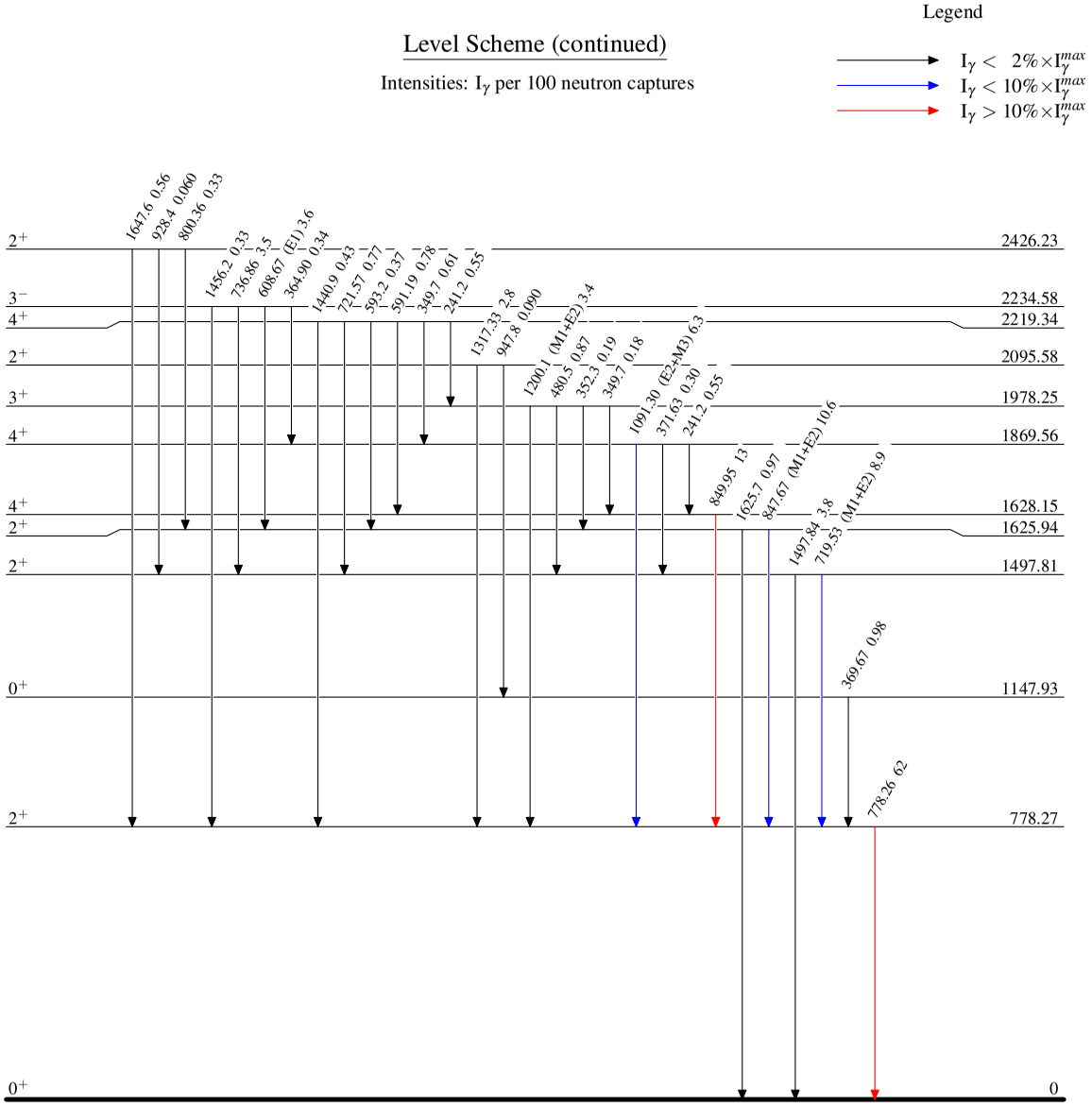


$^{96}_{42}Mo_{54}$

^{95}Mo(n,γ) E=thermal 1970He27

Level Scheme (continued)

Intensities: I_γ per 100 neutron captures



$^{96}_{42}Mo_{54}$