^{70}Ge(p,nγ) 1995Po03

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	G. Gürdal, E. A. Mccutchan	NDS 136, 1 (2016)	1-Jul-2016

1995Po03: ^{70}As produced by ^{70}Ge(p,nγ) at E(p) = 7.59-8.7 MeV. γ-rays were detected using Compton suppressed 20% high purity Ge and 25% high purity coaxial Ge detectors. Internal conversion electrons are detected using a superconducting magnet coupled with a Si(Li) spectrometer. Measured Eγ, ce, $\gamma\gamma$, $\gamma(\theta)$.

1979Te06: ^{70}As produced by ^{70}Ge(p,nγ) at E(p) = 6.5-14 MeV. γ-rays were detected using Ge(Li) detectors. Low energy γ-rays were detected using a planer intrinsic Ge detector. Measured Eγ, Iγ, $\gamma\gamma$ coincidence, $\gamma(\theta)$, σ(E(p),Eγ); deduced $T_{1/2}$.

α: Additional information 1.

^{70}As Levels

E(level)†	J$^\pi$#	$T_{1/2}$‡	Comments
0.0	4^+		J$^\pi$: From Adopted Levels.
32.05 *3*	2^+	96 μs *3*	J$^\pi$: From 235.10γ M1 from 1^+.
81.52 *3*	1^+	<3 ns	
166.73 *3*	3^+		
167.73 *4*	2^+	<3 ns	
234.73 *4*	1^+	<1 ns	
325.65 *4*	2^+		
328.64 *4*	1^+		
344.64 *4*	0^+	<1 ns	
383.32 *3*	2^-	<1 ns	
390.14 *3*	3^+	<1 ns	
425.32 *6*	0^+		
458.15 *4*	1^+		
485.322 *24*	4^-	4.5 ns *10*	
508.84 *6*	3^+		
540.00 *4*	2^+		
566.52 *4*	$5^{(-)}$	<3 ns	
571.95 *4*	2^+		
581.61 *4*	1^+		
592.52 *5*	$1^+,2^+$		
625.21 *4*	4^+		
641.85 *5*	3^+		
683.97 *7*	(0)		
687.59 *4*	$3^{(+)},4^{(+)}$		
698.87 *4*	3^-		
721.89 *5*	(3)		
772.29 *4*	3^-		
778.94 *4*	(4)		
815.48 *5*	(3)@		
868.93 *6*	$6^{(-)}$@		
890.46 *5*	1^+	5.5 ns *10*	
898.26 *6*	(5)@		
928.13 *5*	2,1@		
938.95 *5*	$4^{(-)}$		
939.28 *5*	2,1@		
950.28 *10*	(0)@		
966.86 *9*	(5)@		
987.79 *8*	(0,3)@		
1003.61 *6*	1,2@		
1026.32 *5*	1,2@		

Continued on next page (footnotes at end of table)

^{70}Ge(p,nγ) 1995Po03 (continued)

^{70}As Levels (continued)

E(level)[†]	Jπ[#]
1045.87 *10*	6(+)[@]
1046.42 *6*	1,2
1115.07 *8*	(1,2)[@]

† From a least-squares fit to Eγ, by evaluators.
‡ From off-beam γ(t) in 1979Te06.
# From gamma multipolarities measured in 1995Po03, unless otherwise stated.
@ From Hauser-Feshbach analysis and γ decay pattern in 1995Po03.

^{70}Ge(p,nγ) 1995Po03 (continued)

γ(^{70}As)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Mult. ‡	δ #	α	Comments
32.05 *10*	15.8 *13*	32.05	2^+	0.0	4^+				
49.45 *3*	189 *11*	81.52	1^+	32.05	2^+	D		0.645	α(K)=0.572 *8*; α(L)=0.0630 *9*; α(M)=0.00963 *14*; α(N)=0.000722 *11* Mult.: from A_2 = −0.052 *49*, A_4 = −0.036 *51* and δ=+0.12 *31* from γ(θ) for 1^+ to 2^+ cascade in 1995Po03.
80.04 *6*	0.69 *21*	778.94	(4)	698.87	3^-				
81.19 *3*	9.8 *5*	566.52	$5^{(-)}$	485.322	4^-	D+Q			Mult.: from A_2 = −0.413 *104*, A_4 = −0.003 *103* and δ=−0.08 *4* from γ(θ) for 5^- to 4^- cascade in 1995Po03.
86.19 *3*	40.5 *21*	167.73	2^+	81.52	1^+	D+Q			Mult.: from A_2 = −0.186 *64*, A_4 = −0.012 *50* and δ = +0.03 *3* from γ(θ) for 2^+ to 1^+ cascade in 1995Po03.
90.96 *8*	1.3 *2*	325.65	2^+	234.73	1^+				
93.88 *7*	0.98 *18*	328.64	1^+	234.73	1^+				
95.18 *6*	0.27 *12*	485.322	4^-	390.14	3^+				
109.84 *6*	0.91 *17*	344.64	0^+	234.73	1^+				
113.50 *4*	1.61 *19*	458.15	1^+	344.64	0^+				
132.51 *4*	2.6 *3*	458.15	1^+	325.65	2^+				
134.63 *5*	100 *6*	166.73	3^+	32.05	2^+	(M1(+E2))		0.15 *11*	α(K)=0.13 *10*; α(L)=0.016 *12*; α(M)=0.0024 *19* α(K)exp(134.63γ+135.68)=0.033 *5*. α(K)exp(134.63γ+135.68γ)=0.033 *5*.
135.68 *5*	88 *5*	167.73	2^+	32.05	2^+				
148.57 *3*	11.2 *6*	383.32	2^-	234.73	1^+	D+Q	+0.14 *7*	0.034 *4*	α(K)=0.030 *3*; α(L)=0.0033 *4*; α(M)=0.00050 *6*; α(N)=3.8×10^{-5} *4* Mult.: from γ(θ), A_2 = −0.051 *235*, A_4 = 0.027 *185* in 1995Po03.
153.18 *3*	7.2 *5*	234.73	1^+	81.52	1^+	D+Q			Mult: from A_2 = −0.126 *106*, A_4 = −0.278 *115* and δ=+0.28 *+52−25* from γ(θ) for 1^+ to 1^+ cascade in 1995Po03.
158.89 *9*	1.77 *19*	325.65	2^+	166.73	3^+				
160.89 *3*	24.5 *13*	328.64	1^+	167.73	2^+	M1(+E2)	+0.05 *28*	0.026 *11*	α(K)exp=0.029 *6* α(K)=0.023 *9*; α(L)=0.0024 *11*; α(M)=0.00037 *17*; α(N)=2.8×10^{-5} *12* Mult.: Other: A_2 = −0.091 *59*, A_4 =−0.086 *62*.
166.69 *10*	2.7 *8*	938.95	$4^{(-)}$	772.29	3^-				
166.83 *10*	23 *2*	166.73	3^+	0.0	4^+	M1		0.0230	α(K)exp=0.0217 *18* α(K)=0.0204 *3*; α(L)=0.00218 *3*; α(M)=0.000334 *5*; α(N)=2.53×10^{-5} *4*
190.52 *6*	1.84 *24*	425.32	0^+	234.73	1^+				
202.66 *3*	60 *4*	234.73	1^+	32.05	2^+	M1		0.01392	α(K)exp=0.0119 *8* α(K)=0.01238 *18*; α(L)=0.001316 *19*; α(M)=0.000201 *3*; α(N)=1.524×10^{-5} *22* Mult.: Other: A_2 = 0.142 *58*, A_4 = 0.124 *46* and δ=−0.01 *27* from γ(θ) for 1^+ to 2^+ cascade in 1995Po03.
215.51 *15*	1.31 *25*	383.32	2^-	167.73	2^+				
223.38@ *9*	0.9@ *6*	458.15	1^+	234.73	1^+				
223.42@ *3*	32.0@ *17*	390.14	3^+	166.73	3^+	M1		0.01086	α(K)exp=0.0092 *8*

$^{70}_{33}As_{37}$-3

^{70}Ge(p,nγ) 1995Po03 (continued)

γ(^{70}As) (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Mult. ‡	δ #	α	Comments
									α(K)=0.00967 *14*; α(L)=0.001025 *15*; α(M)=0.0001565 *22*; α(N)=1.187×10^{-5} *17* Mult.: Other: A_2 = 0.131 *106*, A_4 = −0.116 *115* and δ = −0.21 *8* from γ(θ) for 3$^+$ to 3$^+$ cascade in 1995Po03.
235.10 *4*	5.2 *4*	625.21	4$^+$	390.14	3$^+$	M1(+E2)	<0.35	0.0108 *13*	α(K)exp=0.0097 *13* α(K)=0.0096 *12*; α(L)=0.00103 *13*; α(M)=0.000157 *20*; α(N)=1.18×10^{-5} *15* Mult.: Other: A_2 = −0.328 *135* and A_4 = −0.180 *137* in 1995Po03. δ: from α(K)exp.
240.07 *7*	1.0 *2*	938.95	4$^{(-)}$	698.87	3$^-$				
244.10 *3*	35 *2*	325.65	2$^+$	81.52	1$^+$	M1		0.00869	α(K)exp=0.0079 *6* α(K)=0.00774 *11*; α(L)=0.000819 *12*; α(M)=0.0001250 *18*; α(N)=9.49×10^{-6} *14* Mult.: Other: A_2 = −0.179 *69*, A_4 =−0.003 *70* and δ = +0.03 *3* from γ(θ) in 1995Po03.
247.11 *3*	9.8 *6*	328.64	1$^+$	81.52	1$^+$	M1(+E2)	−0.16 *40*	0.009 *4*	α(K)exp=0.0138 *11* α(K)=0.008 *4*; α(L)=0.0008 *5*; α(M)=0.00013 *7*; α(N)=1.0×10^{-5} *5* Mult.: Other: A_2 = −0.229 *165*, A_4 =−0.264 *174*. δ: Other: 0.77 *11* from α(K)exp.
254.01 *4*	3.4 *3*	1026.32	1,2	772.29	3$^-$				
255.96 *4*	8.5 *5*	581.61	1$^+$	325.65	2$^+$	M1		0.00772	α(K)exp=0.0068 *8* α(K)=0.00688 *10*; α(L)=0.000726 *11*; α(M)=0.0001109 *16*; α(N)=8.42×10^{-6} *12*
263.13 *3*	26.0 *14*	344.64	0$^+$	81.52	1$^+$	M1		0.00721	α(K)exp=0.0065 *5* α(K)=0.00642 *9*; α(L)=0.000678 *10*; α(M)=0.0001035 *15*; α(N)=7.86×10^{-6} *11*
263.93 *14*	0.91 *25*	592.52	1$^+$,2$^+$	328.64	1$^+$				
275.52 *7*	1.18 *25*	815.48	(3)	540.00	2$^+$				
286.96 *4*	5.9 *4*	772.29	3$^-$	485.322	4$^-$	M1		0.00582	α(K)exp=0.0049 *7* α(K)=0.00518 *8*; α(L)=0.000546 *8*; α(M)=8.34×10^{-5} *12*; α(N)=6.34×10^{-6} *9* Mult.: Other: A_2 = −0.169 *173*, A_4 = 0.076 *172* and δ = +0.07 *11* from γ(θ) for 3$^-$ to 4$^-$ cascade in 1995Po03.
293.63 *5*	7.1 *5*	325.65	2$^+$	32.05	2$^+$	M1			α(K)exp=0.0050 *4* Mult.: Other: A_2 = 0.304 *90*, A_4 =0.024 *75* and δ = +0.15 *4* from γ(θ) for 2$^+$ to 2$^+$ cascade in 1995Po03.
293.63 *3*	28.3 *15*	778.94	(4)	485.322	4$^-$				
296.64 *3*	12.3 *7*	328.64	1$^+$	32.05	2$^+$	M1		0.00537	α(K)exp=0.0051 *5* α(K)=0.00478 *7*; α(L)=0.000503 *7*; α(M)=7.68×10^{-5} *11*; α(N)=5.84×10^{-6} *9* Mult.: Other: A_2 = 0.040 *87*, A_4 =−0.043 *67* and δ = −0.19 *24* from γ(θ) in 1995Po03.

$^{70}_{33}As_{37}$-4

^{70}Ge(p,nγ) 1995Po03 (continued)

γ(^{70}As) (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Mult. ‡	δ #	α	Comments
297.51 *6*	0.78 *24*	687.59	$3^{(+)},4^{(+)}$	390.14	3^+				
301.80 *3*	66 *3*	383.32	2^-	81.52	1^+	E1		0.00290	α(K)exp=0.00240 *16* α(K)=0.00259 *4*; α(L)=0.000268 *4*; α(M)=4.07×10^{-5} *6*; α(N)=3.08×10^{-6} *5* Mult.: Other: A_2 = −0.165 *53*, A_4 = 0.010 *54* and δ = +0.03 *3* from γ(θ) for 2^- to 1^+ cascade in 1995Po03.
302.41 *5*	1.1 *4*	868.93	$6^{(-)}$	566.52	$5^{(-)}$			0.009 *5*	
312.62 *5*	2.5 *3*	344.64	0^+	32.05	2^+				
315.53 *3*	24.2 *13*	698.87	3^-	383.32	2^-	M1		0.00462	α(K)exp=0.0040 *3* α(K)=0.00411 *6*; α(L)=0.000432 *6*; α(M)=6.60×10^{-5} *10*; α(N)=5.02×10^{-6} *7* Mult.: Other: A_2 = −0.301 *99*, A_4 = −0.061 *76* and δ = +0.01 *3* from γ(θ) for 3^- to 2^- cascade in 1995Po03.
318.60 *3*	25.2 *14*	485.322	4^-	166.73	3^+	E1		0.00250	α(K)exp=0.00207 *19* α(K)=0.00223 *4*; α(L)=0.000230 *4*; α(M)=3.50×10^{-5} *5*; α(N)=2.65×10^{-6} *4* Mult.: Other: A_2 = −0.285 *49*, A_4 = −0.047 *38* and δ = +0.013 *14* from γ(θ) for 4^- to 3^+ cascade in 1995Po03.
327.37 *10*	2.3 *3*	1026.32	1,2	698.87	3^-				
331.74 *5*	1.5 *3*	898.26	(5)	566.52	$5^{(-)}$				
342.24 *10*	7.8 *5*	508.84	3^+	166.73	3^+	M1		0.00379	α(K)exp=0.0036 *5* α(K)=0.00338 *5*; α(L)=0.000354 *5*; α(M)=5.41×10^{-5} *8*; α(N)=4.12×10^{-6} *6*
343.81 *10*	18.1 *10*	425.32	0^+	81.52	1^+	M1		0.00375	α(K)exp=0.0034 *4* α(K)=0.00334 *5*; α(L)=0.000351 *5*; α(M)=5.35×10^{-5} *8*; α(N)=4.07×10^{-6} *6*
351.29 *4*	7.1 *5*	383.32	2^-	32.05	2^+				
357.81 *7*	1.9 *5*	592.52	$1^+,2^+$	234.73	1^+				
358.32 *9*	2.7 *5*	683.97	(0)	325.65	2^+				
372.39 *8*	1.5 *3*	938.95	$4^{(-)}$	566.52	$5^{(-)}$	M1+E2	<1.7	0.0044 *13*	α(K)exp=0.0039 *12* α(K)=0.0039 *12*; α(L)=0.00042 *13*; α(M)=6.4×10^{-5} *20*; α(N)=4.8×10^{-6} *15* δ: from α(K)exp.
376.64 *4*	6.7 *5*	458.15	1^+	81.52	1^+	M1		0.00302	α(K)exp=0.0030 *4* α(K)=0.00269 *4*; α(L)=0.000281 *4*; α(M)=4.29×10^{-5} *6*; α(N)=3.27×10^{-6} *5*
388.96 *4*	16.3 *11*	772.29	3^-	383.32	2^-	M1		0.00279	α(K)exp=0.0026 *4* α(K)=0.00249 *4*; α(L)=0.000260 *4*; α(M)=3.97×10^{-5} *6*; α(N)=3.03×10^{-6} *5*
390.15 *4*	10.6 *6*	390.14	3^+	0.0	4^+	M1		0.00277	α(K)exp=0.0030 *7* α(K)=0.00247 *4*; α(L)=0.000259 *4*; α(M)=3.95×10^{-5} *6*; α(N)=3.01×10^{-6} *5*

$^{70}_{33}As_{37}$-5

^{70}Ge(p,nγ) 1995Po03 (continued)

γ(^{70}As) (continued)

E_γ [†]	I_γ [†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[#]	α	Comments
404.15 *8*	4.0 *6*	571.95	2^+	167.73	2^+				
413.89 *4*	12.2 *8*	581.61	1^+	167.73	2^+	M1		0.00241	α(K)exp=0.0024 *3* α(K)=0.00215 *3*; α(L)=0.000225 *4*; α(M)=3.43×10^{-5} *5*; α(N)=2.61×10^{-6} *4* Mult.: Other: A_2 = −0.252 *98*, A_4 =−0.267 *104* and δ = +0.05 *34* from γ(θ) in 1995Po03.
424.87 *51*	3.1 *8*	592.52	1^+,2^+	167.73	2^+	M1		0.00227	α(K)exp=0.0019 *3* α(K)=0.00202 *3*; α(L)=0.000211 *3*; α(M)=3.22×10^{-5} *5*; α(N)=2.46×10^{-6} *4*
426.11 *3*	23.1 *17*	458.15	1^+	32.05	2^+	M1		0.00225	α(K)exp=0.0022 *3* α(K)=0.00201 *3*; α(L)=0.000210 *3*; α(M)=3.20×10^{-5} *5*; α(N)=2.44×10^{-6} *4*
449.24 *10*	5.0 *5*	683.97	(0)	234.73	1^+				
458.41 *8*	1.5 *6*	625.21	4^+	166.73	3^+				
458.48 *3*	31.4 *17*	540.00	2^+	81.52	1^+	M1		0.00190	α(K)exp=0.00154 *18* α(K)=0.001695 *24*; α(L)=0.0001766 *25*; α(M)=2.69×10^{-5} *4*; α(N)=2.05×10^{-6} *3* Mult.: Other: A_2 = −0.400 *104*, A_4 =−0.005 *103* and δ = −0.17 *+12−19* from γ(θ) in 1995Po03.
[x]464.81 *6*									
474.12 *3*	16.5 *10*	641.85	3^+	167.73	2^+	M1		1.76×10^{-3}	α(K)exp=0.0016 *3* α(K)=0.001569 *22*; α(L)=0.0001633 *23*; α(M)=2.49×10^{-5} *4*; α(N)=1.90×10^{-6} *3* Mult.: Other: A_2 = −0.237 *186*, A_4 = −0.090 *188* and δ = +0.03 *5* from γ(θ) for 3^+ to 2^+ cascade in 1995Po03.
476.75 *6*	18.0 *12*	508.84	3^+	32.05	2^+	M1		1.74×10^{-3}	α(K)exp=0.00168 *25* α(K)=0.001549 *22*; α(L)=0.0001612 *23*; α(M)=2.46×10^{-5} *4*; α(N)=1.88×10^{-6} *3* Mult.: Other: A_2 = −0.271 *133*, A_4 =0.116 *99* and δ = −0.05 *4* from γ(θ) in 1995Po03.
479.35 *9*	0.9 *4*	1045.87	$6^{(+)}$	566.52	$5^{(-)}$				
485.31 *3*	21.6 *13*	485.322	4^-	0.0	4^+	E1		8.24×10^{-4}	α(K)exp=0.00078 *14* α(K)=0.000736 *11*; α(L)=7.58×10^{-5} *11*; α(M)=1.155×10^{-5} *17*; α(N)=8.77×10^{-7} *13*
490.35 *10*	3.9 *4*	571.95	2^+	81.52	1^+				
500.10 *6*	5.8 *5*	581.61	1^+	81.52	1^+				
516.1 *4*	0.2 *6*	683.97	(0)	167.73	2^+				
519.85 *12*	2.5 *17*	687.59	$3^{(+)}$,$4^{(+)}$	167.73	2^+				α(K)exp(519.85γ+520.82γ)=0.0018 *3*.
520.82 *5*	9.8 *18*	687.59	$3^{(+)}$,$4^{(+)}$	166.73	3^+				α(K)exp(519.85γ+520.82γ)=0.0018 *3*.
539.92 *3*	20.1 *14*	571.95	2^+	32.05	2^+	M1+E2	+0.11 *8*	1.32×10^{-3} *3*	α(K)exp=0.00130 *14* α(K)=0.001173 *22*; α(L)=0.0001218 *24*; α(M)=1.86×10^{-5} *4*;

$^{70}_{33}As_{37}$-6

^{70}Ge(p,nγ) 1995Po03 (continued)

γ(^{70}As) (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Comments
						α(N)=1.42×10^{-6} *3* Mult.: Other: A_2 = 0.284 *64*, A_4 = −0.056 *71* in 1995Po03.
545.83 *5*	6.1 *5*	890.46	1^+	344.64	0^+	
549.11 *8*	2.5 *4*	939.28	2,1	390.14	3^+	
549.50 *10*	2.0 *4*	581.61	1^+	32.05	2^+	
554.04 *15*	0.8 *4*	721.89	(3)	167.73	2^+	
555.11 *8*	2.8 *5*	721.89	(3)	166.73	3^+	
555.66 *8*	1.5 *5*	938.95	$4^{(-)}$	383.32	2^-	
560.46 *4*	10.1 *8*	592.52	1^+,2^+	32.05	2^+	
561.88 *11*	3.4 *6*	890.46	1^+	328.64	1^+	
564.78 *6*	3.0 *4*	890.46	1^+	325.65	2^+	
576.72 *9*	0.9 *3*	966.86	(5)	390.14	3^+	
578.20 *7*	2.5 *4*	1003.61	1,2	425.32	0^+	
x597.05 *6*						
602.54 *9*	7.9 *8*	928.13	2,1	325.65	2^+	
621.63 *9*	3.8 *4*	950.28	(0)	328.64	1^+	
625.17 *7*	8.3 *9*	625.21	4^+	0.0	4^+	
640.35 *6*	5.6 *6*	721.89	(3)	81.52	1^+	
647.81 *7*	4.0 *5*	815.48	(3)	167.73	2^+	
656.20 *20*	0.5 *3*	1046.42	1,2	390.14	3^+	
656.80 *20*		1115.07	(1,2)	458.15	1^+	
659.02 *6*	2.5 *5*	1003.61	1,2	344.64	0^+	
662.10 *10*	1.3 *6*	987.79	(0,3)	325.65	2^+	
675.02 *25*	2.2 *6*	1003.61	1,2	328.64	1^+	
678.03 *13*	1.4 *6*	1003.61	1,2	325.65	2^+	
689.88 *5*	7.7 *9*	721.89	(3)	32.05	2^+	
x692.18 *5*						
704.61 *12*	1.9 *4*	939.28	2,1	234.73	1^+	
761.30 *9*	1.9 *4*	928.13	2,1	166.73	3^+	
x762.15 *6*						
772.50 *8*	2.9 *4*	939.28	2,1	166.73	3^+	
783.35 *6*	5.3 *5*	815.48	(3)	32.05	2^+	
789.43 *7*		1115.07	(1,2)	325.65	2^+	
x818.78 *9*						
x848.81 *7*						
857.82 *11*	4.2 *4*	939.28	2,1	81.52	1^+	
858.40 *13*	0.9 *4*	890.46	1^+	32.05	2^+	
878.75 *9*	3.0 *4*	1046.42	1,2	167.73	2^+	
896.10 *6*	2.2 *4*	928.13	2,1	32.05	2^+	
906.32 *12*	3.8 *4*	987.79	(0,3)	81.52	1^+	
944.85 *6*	2.6 *4*	1026.32	1,2	81.52	1^+	
964.86 *6*	3.5 *4*	1046.42	1,2	81.52	1^+	
x1033.53 *6*						

^{70}Ge(p,nγ) 1995Po03 (continued)

$\gamma(^{70}As)$ (continued)

† From data taken at 8.23 MeV proton energy. Relative photon intensity normalized to 134.63γ (1995Po03).
‡ From α(K)exp in 1995Po03, unless otherwise stated.
# From $\gamma(\theta)$ in 1995Po03, unless otherwise stated.
@ Multiply placed with intensity suitably divided.
x γ ray not placed in level scheme.

$^{70}_{33}As_{37}$-8

^{70}Ge(p,nγ) **1995Po03**

Level Scheme

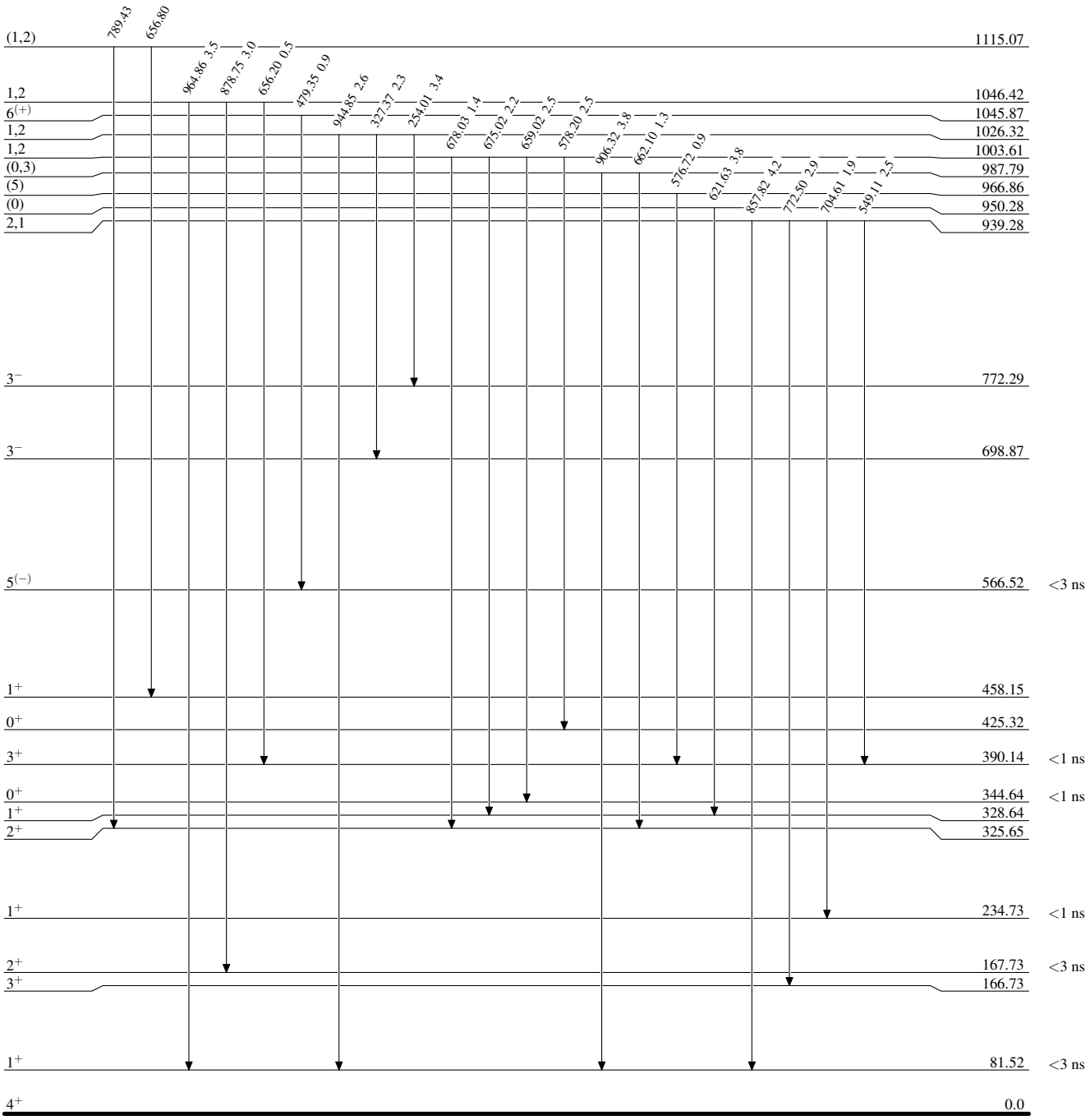
Intensities: Relative I_γ

Legend

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

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

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



$^{70}_{33}As_{37}$

^{70}Ge(p,nγ) 1995Po03

Level Scheme (continued)

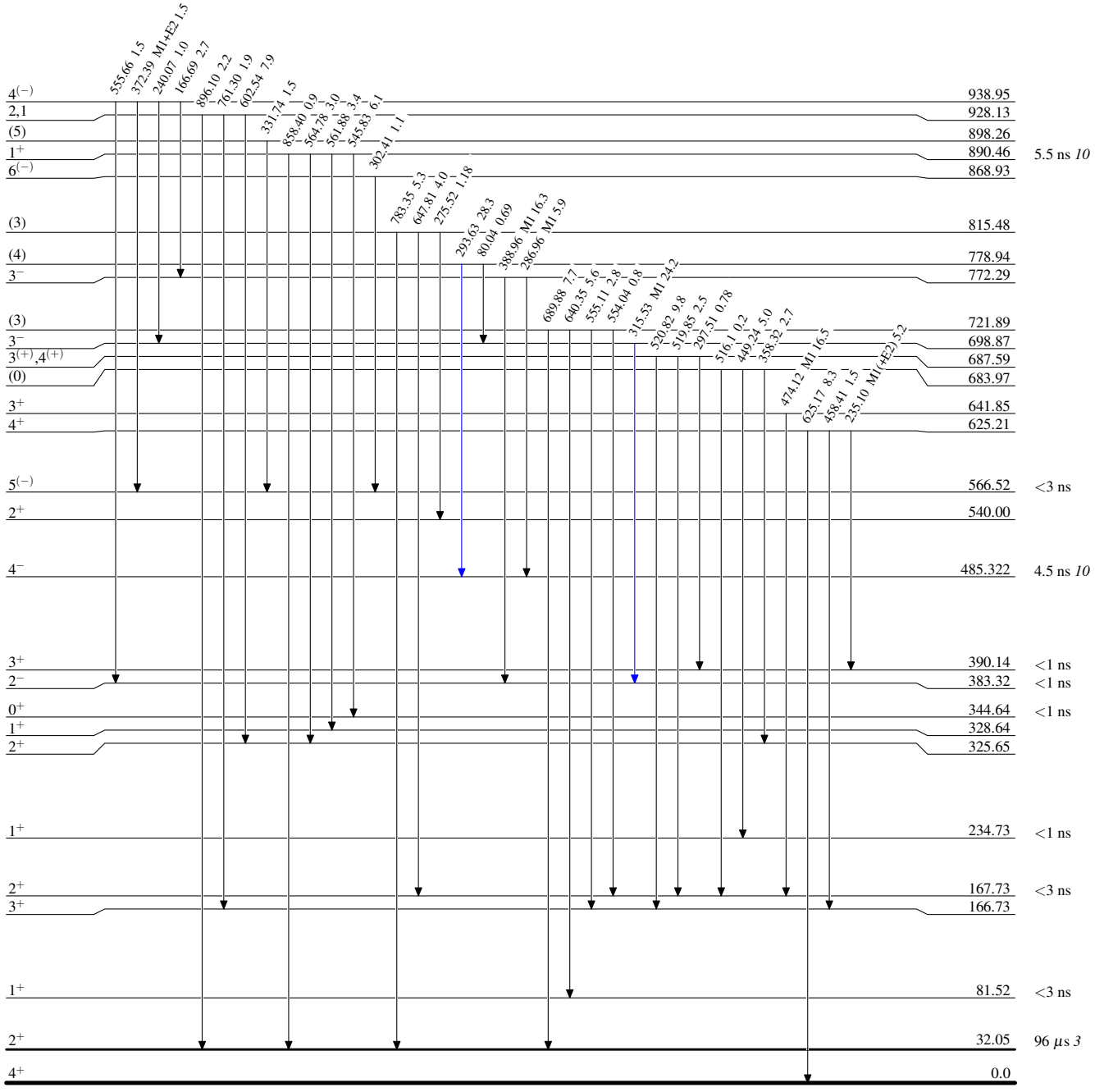
Intensities: Relative I_γ

Legend

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

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

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



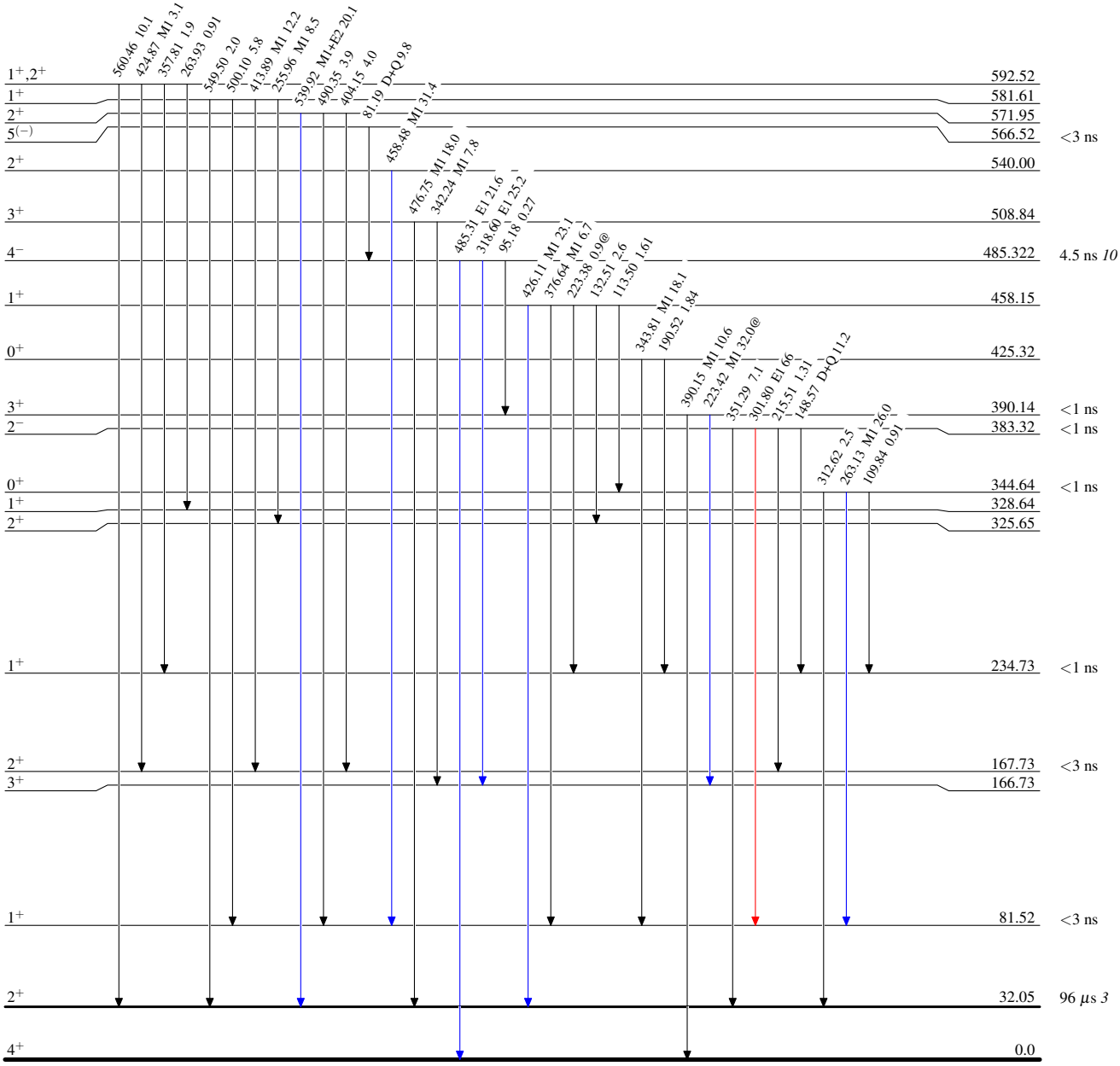
$^{70}_{33}As_{37}$

^{70}Ge(p,nγ) 1995Po03

Level Scheme (continued)

Intensities: Relative I_γ
@ Multiply placed: intensity suitably divided

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

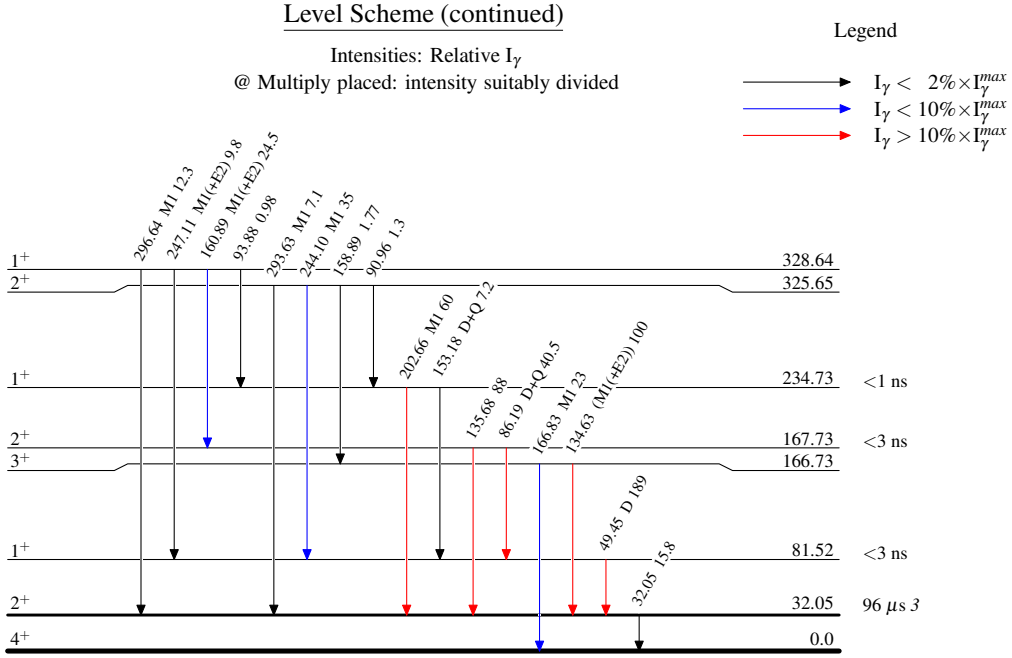


$^{70}_{33}As_{37}$

^{70}Ge(p,nγ) 1995Po03

Level Scheme (continued)

Intensities: Relative I_γ
@ Multiply placed: intensity suitably divided



$^{70}_{33}As_{37}$