

¹²³Sb(⁵²Cr,4nγ) **1993Ca02**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin, E. A. Mccutchan		NDS 151, 334 (2018)	30-Jun-2018

E=236 MeV; 97.7% ¹²³Sb target; TESSA3 detector array (16 Ge detectors, multiplicity and sum-energy filters); measured Ey, Iy, γγ coin.

¹⁷¹Re Levels

E(level) [†]	Jπ [‡]	E(level) [†]	Jπ [‡]	E(level) [†]	Jπ [‡]	E(level) [†]	Jπ [‡]
0.0 [@]	9/2 ⁻	6895.7 [@] 16	(57/2 ⁻)	1917.0+x [#] 12	23/2 ⁺	4154.5+x ^c 18	41/2 ⁺
157.5 ^{&} 8	11/2 ⁻	0.0+x ^a	5/2 ⁻	1951.6+x ^e 11	25/2 ⁺	4167.7+x ^e 18	41/2 ⁺
381.5 [@] 8	13/2 ⁻	41.1+x ^c 12	5/2 ⁺	2040.4+x ^c 13	25/2 ⁺	4205.3+x 18	
615.2 ^{&} 8	15/2 ⁻	95.9+x ^a 10	9/2 ⁻	2125.8+x ^f 14		4302.4+x ^f 22	
895.5 [@] 8	17/2 ⁻	191.8+x ^d 12	7/2 ⁺	2203.8+x ^d 13	27/2 ⁺	4445.4+x ^d 18	43/2 ⁺
1163.8 ^{&} 8	19/2 ⁻	325.4+x ^a 11	13/2 ⁻	2234.3+x ^b 17		4502.4+x ^a 16	45/2 ⁻
1475.9 [@] 8	21/2 ⁻	363.7+x ^c 11	9/2 ⁺	2258.3+x ^a 11	29/2 ⁻	4711.7+x ^c 19	45/2 ⁺
1759.9 ^{&} 8	23/2 ⁻	386.6+x ^b 22		2405.0+x ^c 13	29/2 ⁺	4781.9+x ^e 21	45/2 ⁺
2074.1 [@] 8	25/2 ⁻	568.5+x ^d 11	11/2 ⁺	2424.7+x ^e 12	29/2 ⁺	4877.7+x 21	
2345.8 ^{&} 8	27/2 ⁻	660.7+x ^b 20		2555.1+x ^f 14		4987.9+x ^d 19	47/2 ⁺
2548.7 [@] 8	29/2 ⁻	680.6+x ^a 11	17/2 ⁻	2642.8+x ^d 14	31/2 ⁺	5024.4+x ^f 25	
2707.7 ^{&} 8	31/2 ⁻	771.6+x ^c 11	13/2 ⁺	2660.0+x ^b 20		5186.1+x ^a 19	(49/2 ⁻)
2892.3 [@] 8	33/2 ⁻	996.8+x ^d 11	15/2 ⁺	2821.6+x ^a 12	33/2 ⁻	5288.6+x ^c 20	49/2 ⁺
3110.2 ^{&} 8	35/2 ⁻	1039.1+x ^b 17		2909.4+x ^c 15	33/2 ⁺	5386.1+x ^e 23	49/2 ⁺
3358.9 [@] 8	37/2 ⁻	1138.5+x ^a 11	21/2 ⁻	2954.9+x ^e 12	33/2 ⁺	5618.3+x ^d 20	51/2 ⁺
3639.7 ^{&} 9	39/2 ⁻	1204.6+x ^c 11	17/2 ⁺	3056.1+x ^f 17		5799+x ^f 3	
3941.7 [@] 9	41/2 ⁻	1235.5+x ^e 11	17/2 ⁺	3102.6+x ^b 22		5932.3+x ^a 21	(53/2 ⁻)
4271.3 ^{&} 9	43/2 ⁻	1435.1+x ^b 14		3199.9+x ^d 16	35/2 ⁺	5976.0+x ^c 21	53/2 ⁺
4610.8 [@] 9	45/2 ⁻	1442.8+x ^d 12	19/2 ⁺	3333.8+x ^a 12	37/2 ⁻	6053+x ^e 3	53/2 ⁺
4972.9 ^{&} 9	47/2 ⁻	1545.2+x ^e 11	21/2 ⁺	3512.2+x ^c 16	37/2 ⁺	6364.8+x ^d 21	55/2 ⁺
5336.1 [@] 11	49/2 ⁻	1674.6+x ^a 11	25/2 ⁻	3538.3+x ^e 15	37/2 ⁺	6765.2+x ^c 22	57/2 ⁺
5721.8 ^{&} 12	51/2 ⁻	1676.1+x ^c 11	21/2 ⁺	3641.6+x ^f 20		7191.8+x ^d 24	(59/2 ⁺)
6098.8 [@] 13	53/2 ⁻	1834.6+x ^b 14		3830.7+x ^d 17	39/2 ⁺		
6512.6 ^{&} 14	55/2 ⁻	1916.3+x ^d 12	23/2 ⁺	3884.9+x ^a 12	41/2 ⁻		

[†] From least-squares adjustment of Ey. from Adopted Levels, the energy offset "X"=189.8 4.

[‡] Authors' values.

Possibly a 3-quasiparticle state. Not a 5/2[402] band member in fig. 1 of 1993Ca02 (contrary to listing in table 1).

@ Band(A): 9/2[514], α=+1/2 band.

& Band(a): 9/2[514], α=-1/2 band.

^a Band(B): 1/2[541], α=+1/2 band.

^b Band(C): 1/2[411]? band.

^c Band(D): 5/2[402], α=+1/2 band.

^d Band(d): 5/2[402], α=-1/2 band.

^e Band(E): 1/2[660], α=+1/2 band.

^f Band(F): AF⊗(π 1/2[541]) band.

$^{123}\text{Sb}(^{52}\text{Cr},4n\gamma)$ **1993Ca02 (continued)**

$\gamma(^{171}\text{Re})$

E_γ^\dagger	I_γ^\ddagger	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
96.0 10		95.9+x	9/2 ⁻	0.0+x	5/2 ⁻	
123.3 10	8	2040.4+x	25/2 ⁺	1917.0+x	23/2 ⁺	
124.5 10	14	2040.4+x	25/2 ⁺	1916.3+x	23/2 ⁺	
150.7 2	44	191.8+x	7/2 ⁺	41.1+x	5/2 ⁺	
157.4 10		157.5	11/2 ⁻	0.0	9/2 ⁻	
159.1 2	42	2707.7	31/2 ⁻	2548.7	29/2 ⁻	
163.9 10	18	2203.8+x	27/2 ⁺	2040.4+x	25/2 ⁺	
172.0 2	46	363.7+x	9/2 ⁺	191.8+x	7/2 ⁺	
184.7 2	52	2892.3	33/2 ⁻	2707.7	31/2 ⁻	
199 1		1435.1+x		1235.5+x	17/2 ⁺	E_γ : from fig. 1 of 1993Ca02; absent from table 1.
201.2 2	20	2405.0+x	29/2 ⁺	2203.8+x	27/2 ⁺	
202.9 2	55	2548.7	29/2 ⁻	2345.8	27/2 ⁻	
203.2 2	32	771.6+x	13/2 ⁺	568.5+x	11/2 ⁺	
204.9 2	42	568.5+x	11/2 ⁺	363.7+x	9/2 ⁺	
207.9 2	20	1204.6+x	17/2 ⁺	996.8+x	15/2 ⁺	
218.0 2	53	3110.2	35/2 ⁻	2892.3	33/2 ⁻	
224.1 2	100	381.5	13/2 ⁻	157.5	11/2 ⁻	
225.3 2	25	996.8+x	15/2 ⁺	771.6+x	13/2 ⁺	
229.5 2	60	325.4+x	13/2 ⁻	95.9+x	9/2 ⁻	
233.7 10	13	1676.1+x	21/2 ⁺	1442.8+x	19/2 ⁺	
233.8 2	75	615.2	15/2 ⁻	381.5	13/2 ⁻	
237.9 10	19	2642.8+x	31/2 ⁺	2405.0+x	29/2 ⁺	
238.5 10	11	1235.5+x	17/2 ⁺	996.8+x	15/2 ⁺	
238.7 10	17	1442.8+x	19/2 ⁺	1204.6+x	17/2 ⁺	
239.2 10	7	1916.3+x	23/2 ⁺	1676.1+x	21/2 ⁺	
240.8 10	5	1917.0+x	23/2 ⁺	1676.1+x	21/2 ⁺	
248.7 2	47	3358.9	37/2 ⁻	3110.2	35/2 ⁻	
266.3 10	16	2909.4+x	33/2 ⁺	2642.8+x	31/2 ⁺	
266.6 10	10	4711.7+x	45/2 ⁺	4445.4+x	43/2 ⁺	
268.5 2	51	1163.8	19/2 ⁻	895.5	17/2 ⁻	
271.7 2	46	2345.8	27/2 ⁻	2074.1	25/2 ⁻	
274.1 10		660.7+x		386.6+x		
276.1 10	9	4987.9+x	47/2 ⁺	4711.7+x	45/2 ⁺	
280.5 2	59	895.5	17/2 ⁻	615.2	15/2 ⁻	
280.6 2	35	3639.7	39/2 ⁻	3358.9	37/2 ⁻	
284.1 2	52	1759.9	23/2 ⁻	1475.9	21/2 ⁻	
286 1		2203.8+x	27/2 ⁺	1917.0+x	23/2 ⁺	E_γ : from fig. 1 of 1993Ca02; absent from table 1.
288 1	3	2203.8+x	27/2 ⁺	1916.3+x	23/2 ⁺	I_γ : I(288 γ)/I(164 γ)=0.16 3 (1993Ca02).
290 1		1834.6+x		1545.2+x	21/2 ⁺	E_γ : from fig. 1 of 1993Ca02; absent from table 1.
290.4 10	14	3199.9+x	35/2 ⁺	2909.4+x	33/2 ⁺	
290.8 10	12	4445.4+x	43/2 ⁺	4154.5+x	41/2 ⁺	
296.5 10	2	2555.1+x		2258.3+x	29/2 ⁻	
300.8 10	6	5288.6+x	49/2 ⁺	4987.9+x	47/2 ⁺	
301.9 2	31	3941.7	41/2 ⁻	3639.7	39/2 ⁻	
309.7 2	24	1545.2+x	21/2 ⁺	1235.5+x	17/2 ⁺	
312.2 2	48	1475.9	21/2 ⁻	1163.8	19/2 ⁻	
312.4 10	13	3512.2+x	37/2 ⁺	3199.9+x	35/2 ⁺	
314.3 2	40	2074.1	25/2 ⁻	1759.9	23/2 ⁻	
318.6 10	12	3830.7+x	39/2 ⁺	3512.2+x	37/2 ⁺	
322.4 10	16	363.7+x	9/2 ⁺	41.1+x	5/2 ⁺	I_γ : I(322 γ)/I(172 γ)=0.36 8 (1993Ca02).
323.6 10	11	4154.5+x	41/2 ⁺	3830.7+x	39/2 ⁺	
329.6 2	28	4271.3	43/2 ⁻	3941.7	41/2 ⁻	
330.0 10	7	5618.3+x	51/2 ⁺	5288.6+x	49/2 ⁺	
339.6 2	20	4610.8	45/2 ⁻	4271.3	43/2 ⁻	
340.6 2	25	1545.2+x	21/2 ⁺	1204.6+x	17/2 ⁺	

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$^{123}\text{Sb}(^{52}\text{Cr},4n\gamma)$ **1993Ca02 (continued)**

$\gamma(^{171}\text{Re})$ (continued)

E_γ †	I_γ ‡	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
343.6 10	8	2892.3	33/2 ⁻	2548.7	29/2 ⁻	I_γ : I(344 γ)/I(185 γ)=0.15 3 (1993Ca02).
355.2 2	63	680.6+x	17/2 ⁻	325.4+x	13/2 ⁻	
358.0 10	4	5976.0+x	53/2 ⁺	5618.3+x	51/2 ⁺	
361.7 2	22	2707.7	31/2 ⁻	2345.8	27/2 ⁻	
362.5 10	13	4972.9	47/2 ⁻	4610.8	45/2 ⁻	
363.2 10	4	5336.1	49/2 ⁻	4972.9	47/2 ⁻	
364.5 10	6	2405.0+x	29/2 ⁺	2040.4+x	25/2 ⁺	I_γ : I(365 γ)/I(201 γ)=0.32 3 (1993Ca02).
376.5 10	7	6098.8	53/2 ⁻	5721.8	51/2 ⁻	
376.6 2	29	568.5+x	11/2 ⁺	191.8+x	7/2 ⁺	I_γ : I(377 γ)/I(205 γ)=0.70 3 (1993Ca02); precision appears to be atypically high.
378.4 10		1039.1+x		660.7+x		
381.6 10	14	381.5	13/2 ⁻	0.0	9/2 ⁻	I_γ : I(382 γ)/I(224 γ)=0.14 3 (1993Ca02).
386.1 10	10	5721.8	51/2 ⁻	5336.1	49/2 ⁻	
388.8 10	2	6364.8+x	55/2 ⁺	5976.0+x	53/2 ⁺	E_γ : from fig. 1 of 1993Ca02; E_γ =389 in table 1.
396.0 10		1435.1+x		1039.1+x		
398.9 10		1834.6+x		1435.1+x		
399.7 10		2234.3+x		1834.6+x		
399.9 10	5	6765.2+x	57/2 ⁺	6364.8+x	55/2 ⁺	E_γ : from fig. 1 of 1993Ca02; E_γ =400 in table 1.
402.3 10	16	3110.2	35/2 ⁻	2707.7	31/2 ⁻	I_γ : I(402 γ)/I(218 γ)=0.3 3 (1993Ca02).
406.4 2	41	1951.6+x	25/2 ⁺	1545.2+x	21/2 ⁺	
406.6 2	21	1545.2+x	21/2 ⁺	1138.5+x	21/2 ⁻	
407.9 2	39	771.6+x	13/2 ⁺	363.7+x	9/2 ⁺	I_γ : I(408 γ)/I(203 γ)=1.23 3 (1993Ca02); precision is atypically high and evaluator suspects it may be overestimated.
413 1	5	6512.6	55/2 ⁻	6098.8	53/2 ⁻	
425.7 10		2660.0+x		2234.3+x		
428.3 2	30	996.8+x	15/2 ⁺	568.5+x	11/2 ⁺	I_γ : I(428 γ)/I(225 γ)=1.2 3 (1993Ca02).
429.6 10	5	2555.1+x		2125.8+x		
432.8 2	31	1204.6+x	17/2 ⁺	771.6+x	13/2 ⁺	I_γ : I(433 γ)/I(208 γ)=1.5 5 (1993Ca02).
438.8 10	6	2642.8+x	31/2 ⁺	2203.8+x	27/2 ⁺	I_γ : I(439 γ)/I(238 γ)=0.31 4 (1993Ca02).
442.6 10		3102.6+x		2660.0+x		
446.0 2	39	1442.8+x	19/2 ⁺	996.8+x	15/2 ⁺	I_γ : I(446 γ)/I(239 γ)=2.3 5 (1993Ca02).
451.4 10	5	2125.8+x		1674.6+x	25/2 ⁻	
457.7 2	35	615.2	15/2 ⁻	157.5	11/2 ⁻	I_γ : I(458 γ)/I(234 γ)=0.47 5 (1993Ca02).
457.9 2	56	1138.5+x	21/2 ⁻	680.6+x	17/2 ⁻	
463.6 10	15	1235.5+x	17/2 ⁺	771.6+x	13/2 ⁺	
466.5 2	20	3358.9	37/2 ⁻	2892.3	33/2 ⁻	I_γ : I(467 γ)/I(249 γ)=0.42 7 (1993Ca02).
471.5 2	24	1676.1+x	21/2 ⁺	1204.6+x	17/2 ⁺	I_γ : I(472 γ)/I(234 γ)=1.88 7 (1993Ca02); precision appears to be atypically high.
473.1 2	30	2424.7+x	29/2 ⁺	1951.6+x	25/2 ⁺	
473.6 2	38	1916.3+x	23/2 ⁺	1442.8+x	19/2 ⁺	
474.2 2	29	1917.0+x	23/2 ⁺	1442.8+x	19/2 ⁺	
474.6 2	28	2548.7	29/2 ⁻	2074.1	25/2 ⁻	I_γ : I(475 γ)/I(203 γ)=0.54 8 (1993Ca02).
501.0 10	7	3056.1+x		2555.1+x		
504.6 10	5	2909.4+x	33/2 ⁺	2405.0+x	29/2 ⁺	I_γ : I(505 γ)/I(266 γ)=0.31 5 (1993Ca02).
512.2 2	27	3333.8+x	37/2 ⁻	2821.6+x	33/2 ⁻	Placement taken from fig. 1; deexcites J=25/2 band member according to table 1.
513.8 2	42	895.5	17/2 ⁻	381.5	13/2 ⁻	I_γ : I(514 γ)/I(281 γ)=0.5 3 (1993Ca02).
530.2 2	25	2954.9+x	33/2 ⁺	2424.7+x	29/2 ⁺	
530.4 10	17	3639.7	39/2 ⁻	3110.2	35/2 ⁻	I_γ : I(530 γ)/I(281 γ)=0.5 3 (1993Ca02).
536.1 2	51	1674.6+x	25/2 ⁻	1138.5+x	21/2 ⁻	Placement taken from fig. 1; deexcites J=29/2 band member according to table 1.
542.4 10	4	4987.9+x	47/2 ⁺	4445.4+x	43/2 ⁺	I_γ : I(542 γ)/I(276 γ)=0.5 3 (1993Ca02).
548.5 2	51	1163.8	19/2 ⁻	615.2	15/2 ⁻	I_γ : I(549 γ)/I(269 γ)=1.0 3 (1993Ca02).
551.1 2	20	3884.9+x	41/2 ⁻	3333.8+x	37/2 ⁻	Placement taken from fig. 1; deexcites J=33/2 band member according to table 1.
556.1 10	3	1235.5+x	17/2 ⁺	680.6+x	17/2 ⁻	

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$^{123}\text{Sb}(^{52}\text{Cr},4n\gamma)$ **1993Ca02 (continued)**

$\gamma(^{171}\text{Re})$ (continued)

E_γ^\dagger	I_γ^\ddagger	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
557 1	11	4711.7+x	45/2 ⁺	4154.5+x	41/2 ⁺	
557.2 10	7	3199.9+x	35/2 ⁺	2642.8+x	31/2 ⁺	I_γ : I(557 γ)/I(290 γ)=0.5 3 (1993Ca02).
563.3 2	32	2821.6+x	33/2 ⁻	2258.3+x	29/2 ⁻	Placement taken from fig. 1; deexcites J=37/2 band member according to table 1.
577.2 10	3	5288.6+x	49/2 ⁺	4711.7+x	45/2 ⁺	I_γ : I(577 γ)/I(301 γ)=0.5 3 (1993Ca02).
580.5 2	52	1475.9	21/2 ⁻	895.5	17/2 ⁻	I_γ : I(581 γ)/I(312 γ)=1.1 3 (1993Ca02).
582.9 2	28	3941.7	41/2 ⁻	3358.9	37/2 ⁻	I_γ : I(583 γ)/I(302 γ)=0.9 3 (1993Ca02).
583.4 10	19	3538.3+x	37/2 ⁺	2954.9+x	33/2 ⁺	
583.7 2	41	2258.3+x	29/2 ⁻	1674.6+x	25/2 ⁻	Placement taken from fig. 1; deexcites J=41/2 band member according to table 1.
585.5 10	8	3641.6+x		3056.1+x		
585.8 2	74	2345.8	27/2 ⁻	1759.9	23/2 ⁻	I_γ : I(586 γ)/I(272 γ)=1.6 3 (1993Ca02).
596.0 2	78	1759.9	23/2 ⁻	1163.8	19/2 ⁻	I_γ : I(596 γ)/I(284 γ)=1.5 3 (1993Ca02).
598.2 2	53	2074.1	25/2 ⁻	1475.9	21/2 ⁻	I_γ : I(598 γ)/I(314 γ)=1.3 3 (1993Ca02).
602.8 10	14	3512.2+x	37/2 ⁺	2909.4+x	33/2 ⁺	I_γ : I(603 γ)/I(312 γ)=1.1 4 (1993Ca02).
604.2 10	4	5386.1+x	49/2 ⁺	4781.9+x	45/2 ⁺	
614.2 10	7	4781.9+x	45/2 ⁺	4167.7+x	41/2 ⁺	
614.9 10	9	4445.4+x	43/2 ⁺	3830.7+x	39/2 ⁺	
617.5 10	13	4502.4+x	45/2 ⁻	3884.9+x	41/2 ⁻	
629.4 10	13	4167.7+x	41/2 ⁺	3538.3+x	37/2 ⁺	
630 1	7	5618.3+x	51/2 ⁺	4987.9+x	47/2 ⁺	
630.7 10	14	3830.7+x	39/2 ⁺	3199.9+x	35/2 ⁺	I_γ : I(631 γ)/I(319 γ)=1.2 6 (1993Ca02).
631.4 10	17	4271.3	43/2 ⁻	3639.7	39/2 ⁻	
642.3 10	9	4154.5+x	41/2 ⁺	3512.2+x	37/2 ⁺	I_γ : I(642 γ)/I(324 γ)=0.8 3 (1993Ca02).
660.8 10	6	4302.4+x		3641.6+x		
666.7 10	2	6053+x	53/2 ⁺	5386.1+x	49/2 ⁺	E_γ : from fig. 1 of 1993Ca02; E_γ =666 in table 1.
667 1	4	4205.3+x		3538.3+x	37/2 ⁺	
668.7 10	16	4610.8	45/2 ⁻	3941.7	41/2 ⁻	I_γ : I(669 γ)/I(340 γ)=0.8 3 (1993Ca02).
683.7 10	10	5186.1+x	(49/2 ⁻)	4502.4+x	45/2 ⁻	
687.6 10	4	5976.0+x	53/2 ⁺	5288.6+x	49/2 ⁺	
701.6 2	22	4972.9	47/2 ⁻	4271.3	43/2 ⁻	
710 1	5	4877.7+x		4167.7+x	41/2 ⁺	
722.0 10	6	5024.4+x		4302.4+x		
725.3 10	12	5336.1	49/2 ⁻	4610.8	45/2 ⁻	
746 1	3	6364.8+x	55/2 ⁺	5618.3+x	51/2 ⁺	E_γ : from fig. 1 of 1993Ca02; E_γ =747 in table 1.
746.2 10	6	5932.3+x	(53/2 ⁻)	5186.1+x	(49/2 ⁻)	E_γ : from fig. 1 of 1993Ca02; E_γ =746 in table 1.
748.8 10	9	5721.8	51/2 ⁻	4972.9	47/2 ⁻	I_γ : I(749 γ)/I(386 γ)=0.9 3 (1993Ca02).
762.4 10	6	6098.8	53/2 ⁻	5336.1	49/2 ⁻	I_γ : I(762 γ)/I(377 γ)=0.8 3 (1993Ca02).
774.4 10	4	5799+x		5024.4+x		E_γ : from fig. 1 of 1993Ca02; E_γ =774 in table 1.
789.7 10		6765.2+x	57/2 ⁺	5976.0+x	53/2 ⁺	E_γ : from fig. 1 of 1993Ca02; E_γ =790 in table 1.
791.7 10	6	6512.6	55/2 ⁻	5721.8	51/2 ⁻	
796.9 10	6	6895.7	(57/2 ⁻)	6098.8	53/2 ⁻	
827 1		7191.8+x	(59/2 ⁺)	6364.8+x	55/2 ⁺	

[†] From 1993Ca02. Uncertainties are typically 0.1-0.2 keV, increasing with energy; however, for weak transitions, the uncertainties are 0.5-1.0 keV. The evaluator assigns $\Delta E_\gamma=0.2$ keV to transitions having $I_\gamma \geq 20$, 1.0 keV to all others.

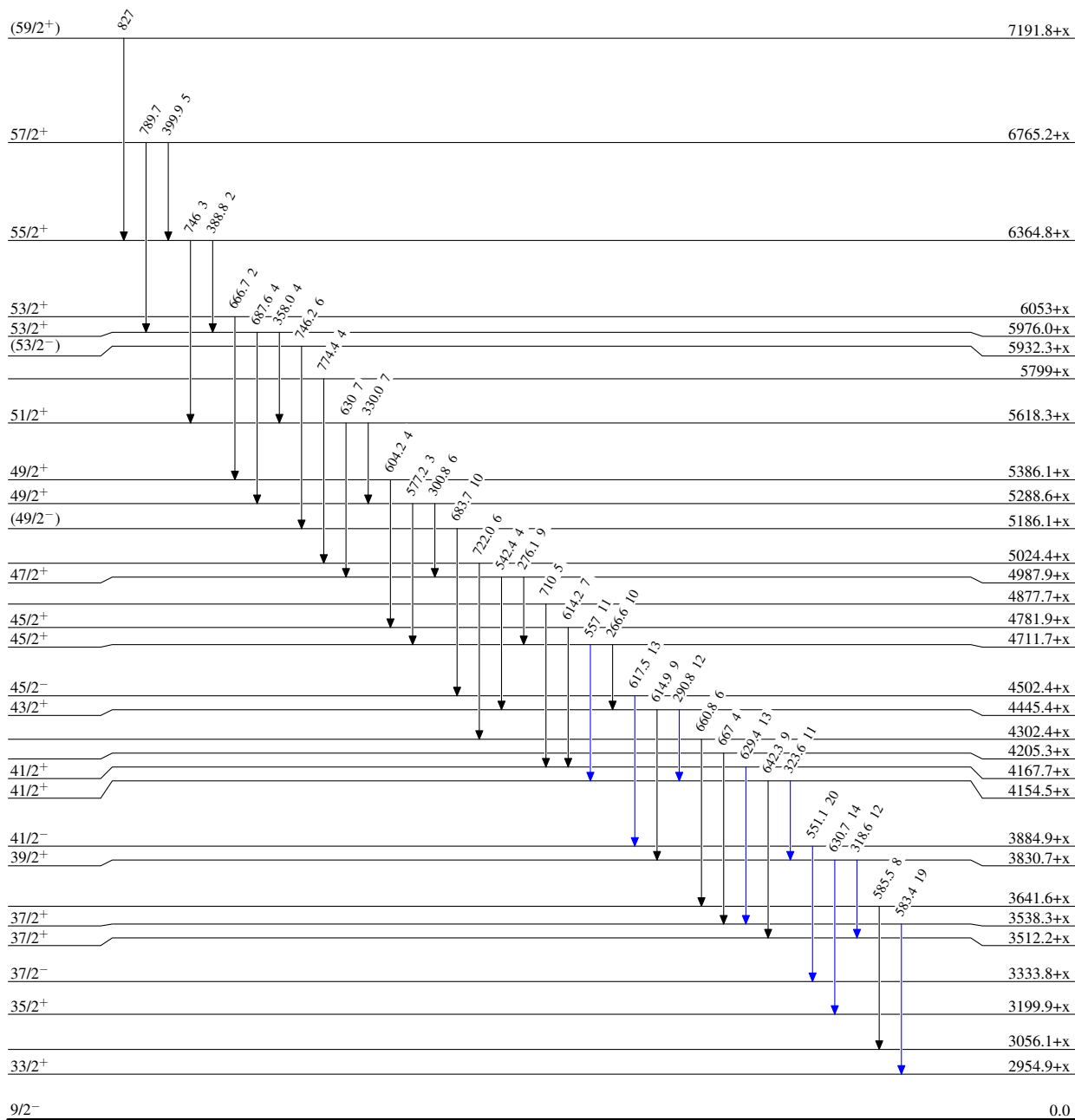
[‡] Photon intensity relative to I(224 γ)=100; $\Delta I_\gamma=10-30\%$ for strong peaks, $>30\%$ for weak or contaminated peaks. 1993Ca02 also report I_γ ratios for intraband $\Delta J=1$ and $\Delta J=2$ transitions which deexcite the same level; these were determined by gating on transitions above the level in question. The latter values are given here in comments.

$^{123}\text{Sb}(^{52}\text{Cr},4n\gamma)$ 1993Ca02

Level Scheme
Intensities: Relative I_γ

Legend

- Black arrow: $I_\gamma < 2\% \times I_\gamma^{max}$
- Blue arrow: $I_\gamma < 10\% \times I_\gamma^{max}$
- Red arrow: $I_\gamma > 10\% \times I_\gamma^{max}$



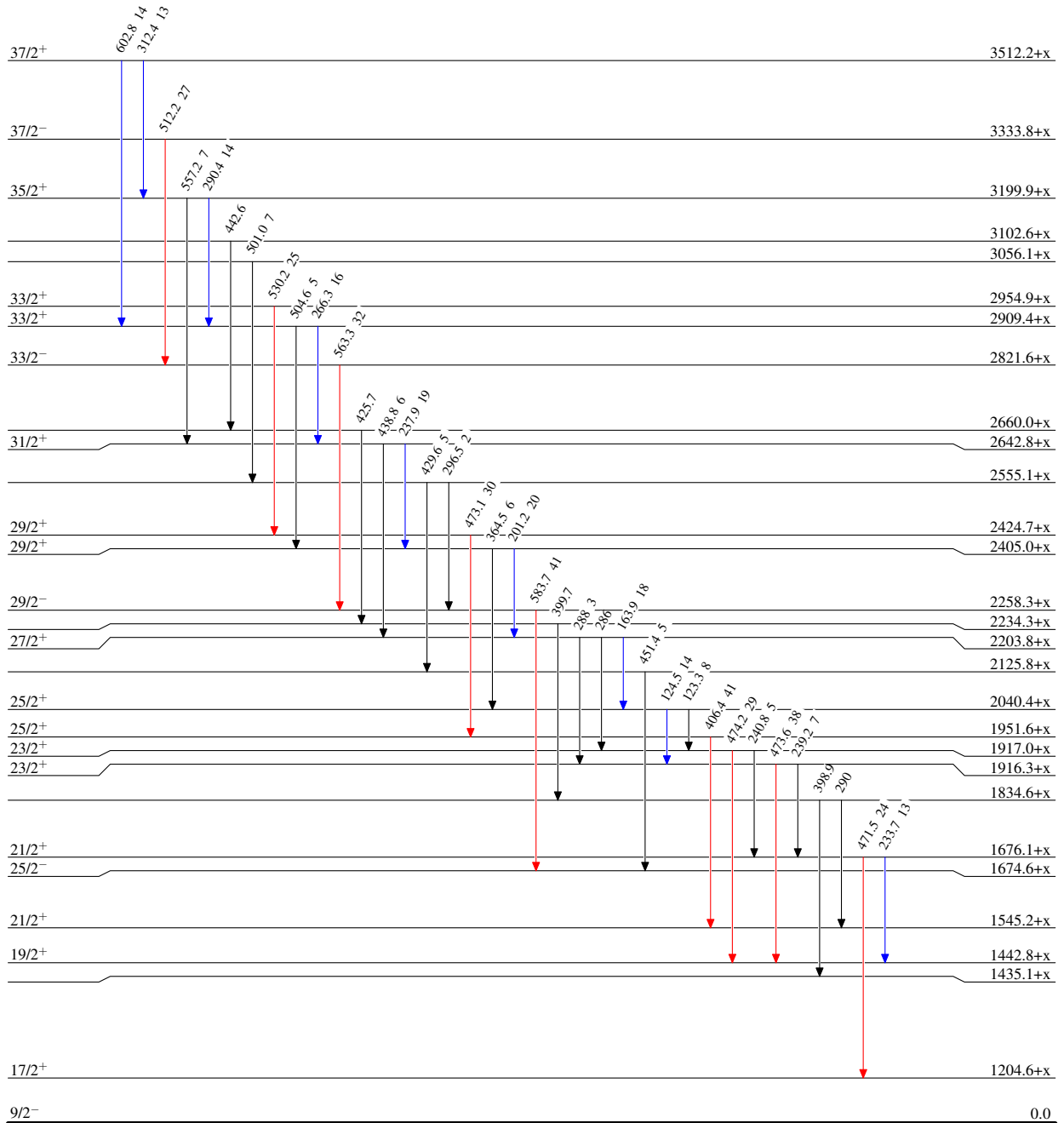
¹²³Sb(⁵²Cr,4n γ) 1993Ca02

Level Scheme (continued)

Intensities: Relative I _{γ}

Legend

- I _{γ} < 2% × I _{γ} ^{max}
- I _{γ} < 10% × I _{γ} ^{max}
- I _{γ} > 10% × I _{γ} ^{max}






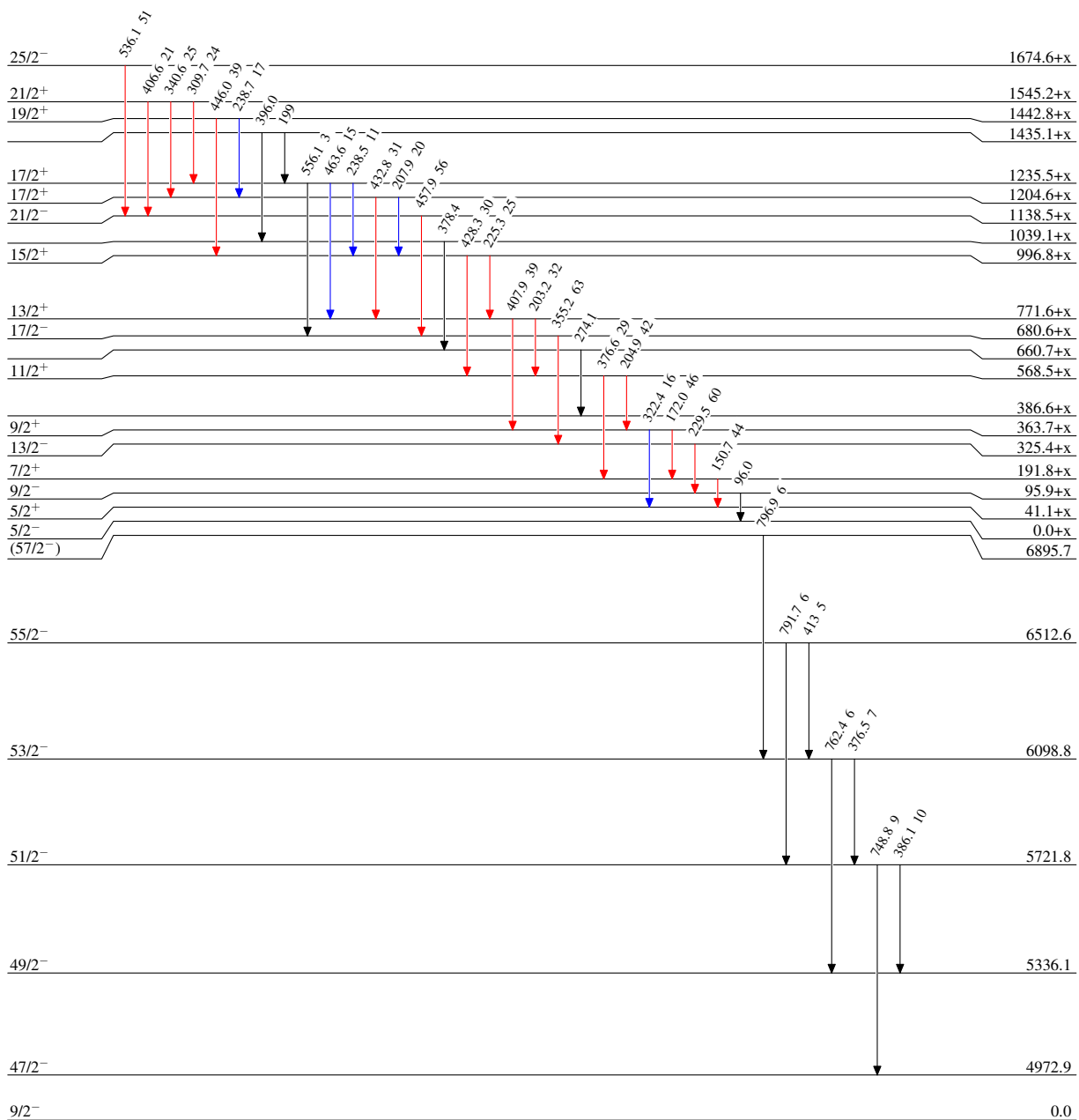
$^{123}\text{Sb}(^{52}\text{Cr},4n\gamma)$ 1993Ca02

Level Scheme (continued)

Intensities: Relative I_γ

Legend

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



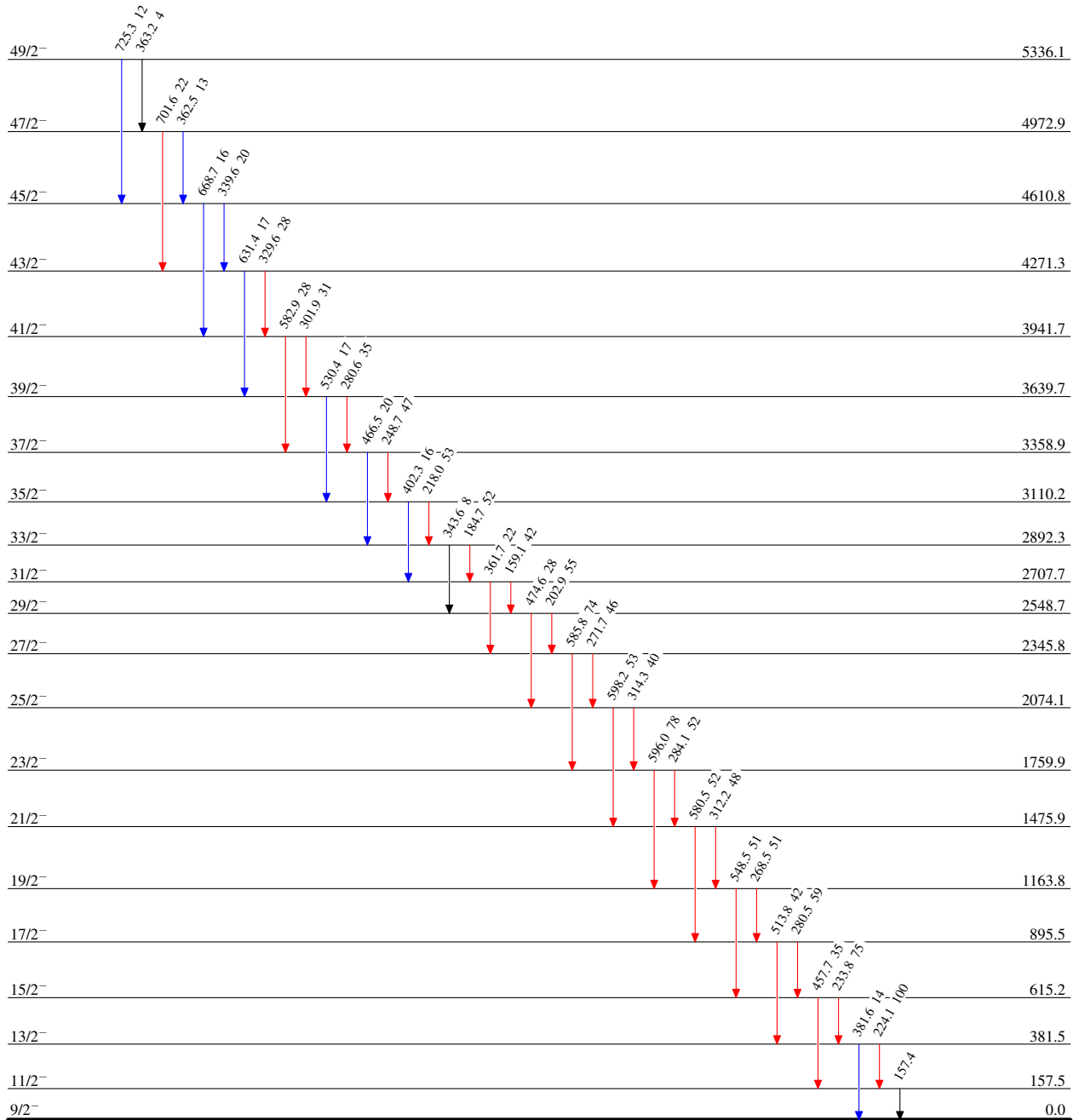
$^{123}\text{Sb}(^{52}\text{Cr},4n\gamma)$ 1993Ca02

Level Scheme (continued)

Intensities: Relative I_γ

Legend

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



$^{123}\text{Sb}(^{52}\text{Cr},4n\gamma)$ 1993Ca02