^{122}Sn(^{18}O,5nγ) 1990Ma26

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh, Alexander A. Rodionov And Yuri L. Khazov	NDS 109, 517 (2008)	22-Jan-2008

1990Ma26: ^{122}Sn(^{18}O,5nγ) E=85, 89 MeV. Measured Eγ, Iγ, $\gamma\gamma$ using an array of six BGO suppressed Ge detectors and 14 BGO detectors for multiplicity filter. $\gamma(\theta)$ and $\gamma\gamma(\theta)$ (DCO) were measured using ^{124}Sn(^{16}O,5nγ) E=91 MeV.
All band assignments are from 1990Ma26.

^{135}Ce Levels

E(level)	J$^\pi$†	E(level)	J$^\pi$†	E(level)	J$^\pi$†	E(level)	J$^\pi$†
0.0	1/2$^{(+)}$	2947.9 *6*	(23/2$^-$)	4259.4[@] *8*	(31/2$^+$)	5651.3[&] *9*	(35/2$^-$)
82.67[‡] *5*	3/2$^{(+)}$[‡]	3054.0 *6*	(21/2$^+$)	4400.1[c] *8*	(31/2$^-$)	5751.8[b] *9*	(37/2$^-$)
296.09[‡] *5*	(5/2$^+$)[‡]	3076.2[#] *6*	(21/2$^+$)	4460.5[&] *7*	(29/2$^-$)	5941.7[#] *12*	(37/2$^+$)
445.8[‡][a] *2*	(11/2$^-$)[‡]	3104.1[a] *6*	(23/2$^-$)	4485.7[#] *9*	(31/2$^+$)	6086.2[&] *9*	(37/2$^-$)
1035.7[a] *4*	(13/2$^-$)	3229.0[#] *6*	(23/2$^+$)	4495.8[b] *7*	(27/2$^-$)	6256.4[b] *10*	(39/2$^-$)
1145.3[a] *4*	(15/2$^-$)	3431.1[#] *7*	(25/2$^+$)	4634.8[b] *6*	(29/2$^-$)	6299.3[@] *13*	(39/2$^+$)
1670.0 *5*	(15/2$^-$)	3505.4 *6*	(25/2$^-$)	4813.1[b] *7*	(31/2$^-$)	6443.7[#] *13*	(39/2$^+$)
1869.4[a] *5*	(17/2$^-$)	3514.5[@] *7*	(27/2$^+$)	4830.5[&] *8*	(31/2$^-$)	6477.1[c] *17*	(39/2$^-$)
2051.6[a] *5*	(19/2$^-$)	3699.0[#] *8*	(27/2$^+$)	4978.6[#] *10*	(33/2$^+$)	6526.2[&] *10*	(39/2$^-$)
2125.3[@] *6*	(19/2$^+$)	3701.8[c] *7*	(27/2$^-$)	5062.1[b] *7*	(33/2$^-$)	6840.0[b] *11*	(41/2$^-$)
2248.9 *5*	(19/2$^-$)	3771.5? *6*	(27/2$^+$)	5206.2[&] *8*	(33/2$^-$)	6994.2[&] *10*	(41/2$^-$)
2550.9[@] *6*	(23/2$^+$)	4032.4 *7*	(25/2$^-$)	5324.3[@] *9*	(35/2$^+$)	7470.0[b] *15*	(43/2$^-$)
2682.2 *6*	(21/2$^-$)	4065.6[&] *7*	(25/2$^-$)	5342.1[c] *13*	(35/2$^-$)	7494.2[&] *12*	(43/2$^-$)
2887.5[a] *7*	(21/2$^-$)	4127.4[#] *9*	(29/2$^+$)	5359.6[b] *8*	(35/2$^-$)	8011.2?[&] *16*	(45/2$^-$)
2946.1[#] *6*	(19/2$^+$)	4183.2[&] *6*	(27/2$^-$)	5427.7[#] *10*	(35/2$^+$)	8034.0?[b] *18*	(45/2$^-$)

† From $\gamma\gamma(\theta)$ (DCO) and/or $\gamma(\theta)$ data and band structures.
‡ From Adopted Levels.
# Band(A): $\nu h_{11/2}\otimes(\pi h_{11/2})(\pi g_{7/2})$. Proton aligned band, $\gamma\approx0°$.
@ Band(B): $\nu s_{1/2}\otimes\nu h^2_{11/2}$. Neutron aligned band, $\gamma\approx-60°$.
& Band(C): $\nu h_{11/2}\otimes\pi h^2_{11/2}$. Proton aligned band, $\gamma\approx0°$.
a Band(D): triaxial band. Configuration=$\nu h_{11/2}$, $\gamma\approx-30°$.
b Band(E): Four-quasiparticle band. Configuration=$\nu[(s_{1/2})(h^2_{11/2})]\otimes\pi[(h_{11/2})(g_{7/2})]$. Oblate band, $\gamma\approx-60°$.
c Band(F): $\nu h_{11/2}\otimes\nu h^2_{11/2}$. Neutron aligned band, $\gamma\approx-60°$.

$\gamma(^{135}$Ce)

DCO′s correspond to gates on ΔJ=2, quadrupole transitions.

E$_\gamma$	I$_\gamma$‡	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$	Mult.†	I$_{(\gamma+ce)}$	Comments
82.64[#] *7*		82.67	3/2$^{(+)}$	0.0	1/2$^{(+)}$			
108.0 *4*	<1	3054.0	(21/2$^+$)	2946.1	(19/2$^+$)	D[&]	<2	R(DCO)=0.3 *1*.
109.5 *4*	<0.5	1145.3	(15/2$^-$)	1035.7	(13/2$^-$)		<1	
117.9 *4*	3 *1*	4183.2	(27/2$^-$)	4065.6	(25/2$^-$)	D[&]	5 *1*	R(DCO)=0.60 *5*.
129.8 *4*	<1.3	3076.2	(21/2$^+$)	2946.1	(19/2$^+$)		<2	
139.1 *4*	<1.4	4634.8	(29/2$^-$)	4495.8	(27/2$^-$)	D[&]	<2	R(DCO)=0.35 *5*.
149.7[#] *2*		445.8	(11/2$^-$)	296.09	(5/2$^+$)			

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^{122}Sn(^{18}O,5nγ) 1990Ma26 (continued)

γ(^{135}Ce) (continued)

E_γ	I_γ[‡]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[†]	δ[†]	$I_{(\gamma+ce)}$	Comments
150.7 *4*	7 *1*	4183.2	(27/2$^-$)	4032.4	(25/2$^-$)	D[&]		9 *1*	R(DCO)=0.77 *5*.
152.7 *4*	<1.5	3229.0	(23/2$^+$)	3076.2	(21/2$^+$)	D[&]		<2	R(DCO)=0.5 *1*.
175.1 *4*	8 *1*	3229.0	(23/2$^+$)	3054.0	(21/2$^+$)	D(+Q)[&]	+0.05 *8*	10 *1*	A_2=−0.16 *4*, A_4=+0.11 *6*. R(DCO)=0.8 *1*.
178.5 *4*	9 *1*	4813.1	(31/2$^-$)	4634.8	(29/2$^-$)	D(+Q)[&]	+0.06 *7*	11 *1*	A_2=−0.14 *4*, A_4=+0.09 *5*. R(DCO)=0.6 *1*.
181.9 *4*	<1.6	2051.6	(19/2$^-$)	1869.4	(17/2$^-$)			<2	
202.1 *4*	23 *3*	3431.1	(25/2$^+$)	3229.0	(23/2$^+$)	D(+Q)[&]	+0.07 *7*	27 *3*	Doublet with a contaminant peak. A_2=−0.13 *3*, A_4=+0.10 *5*. R(DCO)=0.43 *3*.
213.45[#] *6*		296.09	(5/2$^+$)	82.67	3/2$^{(+)}$				
216 *1*	<0.9	3104.1	(23/2$^-$)	2887.5	(21/2$^-$)			<1	
249.0 *4*	9 *1*	5062.1	(33/2$^-$)	4813.1	(31/2$^-$)	D(+Q)[&]	−0.02 *+4−6*	10 *1*	A_2=−0.26 *4*, A_4=+0.07 *6*. R(DCO)=0.31 *5*.
256.0 *4*	69 *7*	2125.3	(19/2$^+$)	1869.4	(17/2$^-$)	D[&]		70 *7*	A_2=−0.09 *3*, A_4=+0.08 *4*.
257[a] *1*	<2	3771.5?	(27/2$^+$)	3514.5	(27/2$^+$)			<2	
265.7 *4*	8 *1*	2947.9	(23/2$^-$)	2682.2	(21/2$^-$)	D[&]		9 *1*	R(DCO)=0.84 *3*.
268.0 *4*	15 *2*	3699.0	(27/2$^+$)	3431.1	(25/2$^+$)	D+Q[&]	−0.07 *2*	16 *2*	A_2=−0.36 *4*, A_4=+0.03 *5*. R(DCO)=0.49 *3*.
277.1 *4*	14 *2*	4460.5	(29/2$^-$)	4183.2	(27/2$^-$)	D(+Q)[&]	−0.03 *5*	15 *2*	A_2=−0.28 *4*, A_4=+0.07 *5*. R(DCO)=0.36 *3*.
296.12[#] *5*		296.09	(5/2$^+$)	0.0	1/2$^{(+)}$				
297.5 *4*	9 *1*	5359.6	(35/2$^-$)	5062.1	(33/2$^-$)	D[&]		10 *1*	Doublet with a contaminant peak. R(DCO)=0.59 *3*.
352.4 *4*	2 *1*	4813.1	(31/2$^-$)	4460.5	(29/2$^-$)	D[&]		2 *1*	R(DCO)=0.4 *1*.
358.2 *4*	10 *1*	4485.7	(31/2$^+$)	4127.4	(29/2$^+$)	D(+Q)[&]	−0.06 *7*	10 *1*	A_2=−0.33 *5*, A_4=+0.11 *7*. R(DCO)=0.87 *5*.
370.0 *4*	6 *1*	4830.5	(31/2$^-$)	4460.5	(29/2$^-$)	D+Q[&]	−0.10 *6*	6 *1*	A_2=−0.41 *6*, A_4=+0.08 *8*. R(DCO)=0.60 *4*.
375.6 *4*	4 *1*	5206.2	(33/2$^-$)	4830.5	(31/2$^-$)	D[&]		4 *1*	R(DCO)=0.63 *5*.
379.2 *4*	6 *1*	2248.9	(19/2$^-$)	1869.4	(17/2$^-$)	D[&]		6 *1*	R(DCO)=0.58 *5*.
392.2 *4*	10 *1*	5751.8	(37/2$^-$)	5359.6	(35/2$^-$)	D(+Q)[&]	−0.04 *6*	10 *1*	A_2=−0.29 *5*, A_4=+0.08 *7*. R(DCO)=0.51 *4*.
425.6 *4*	46 *5*	2550.9	(23/2$^+$)	2125.3	(19/2$^+$)	(Q)[@]		47 *5*	A_2=+0.44 *4*, A_4=+0.01 *5*.
428.3 *4*	11 *1*	4127.4	(29/2$^+$)	3699.0	(27/2$^+$)	D+Q[&]	−0.11 *3*	11 *1*	A_2=−0.43 *4*, A_4=+0.03 *6*. R(DCO)=0.61 *6*.
433.5 *4*	11 *1*	2682.2	(21/2$^-$)	2248.9	(19/2$^-$)	D+Q[&]	−0.16 *4*	11 *1*	A_2=−0.51 *4*, A_4=+0.07 *6*. R(DCO)=0.2 *1*.
434.9 *4*	11 *1*	6086.2	(37/2$^-$)	5651.3	(35/2$^-$)	D+Q[&]	−0.18 *5*	11 *1*	A_2=−0.52 *4*, A_4=+0.07 *6*. R(DCO)=0.3 *1*.
440.0 *4*	6 *1*	6526.2	(39/2$^-$)	6086.2	(37/2$^-$)	D+Q[&]	−0.19 *+8−11*	6 *1*	A_2=−0.55 *6*, A_4=+0.11 *8*. R(DCO)=0.27 *6*.
445.1 *4*	13 *1*	5651.3	(35/2$^-$)	5206.2	(33/2$^-$)	D+Q[&]	−0.23 *3*	13 *1*	Doublet with a contaminant peak. A_2=−0.61 *4*, A_4=+0.03 *6*. R(DCO)=0.32 *4*.
449.2 *4*	5 *1*	5427.7	(35/2$^+$)	4978.6	(33/2$^+$)	D[&]		5 *1*	R(DCO)=0.4 *1*.
468.0 *4*	3 *1*	6994.2	(41/2$^-$)	6526.2	(39/2$^-$)	D[&]		3 *1*	R(DCO)=0.5 *1*.

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^{122}Sn(^{18}O,5nγ) 1990Ma26 (continued)

γ(^{135}Ce) (continued)

E_γ	I_γ[‡]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[†]	δ[†]	$I_{(\gamma+ce)}$	Comments
492.9 *4*	7 *1*	4978.6	(33/2$^+$)	4485.7	(31/2$^+$)	D[&]		7 *1*	R(DCO)=0.6 *1*.
500 *1*	<2	7494.2	(43/2$^-$)	6994.2	(41/2$^-$)	D[&]		<2	R(DCO)=0.7 *1*.
502 *1*	<2	6443.7	(39/2$^+$)	5941.7	(37/2$^+$)			<2	
503.1 *4*	4 *1*	3054.0	(21/2$^+$)	2550.9	(23/2$^+$)			4 *1*	R(DCO)=1.0 *1* consistent with ΔJ=1 or 2. 1990Ma26 assign ΔJ=1.
504.6 *4*	6 *1*	6256.4	(39/2$^-$)	5751.8	(37/2$^-$)	D[&]		6 *1*	R(DCO)=0.5 *1*.
514 *1*	<2	5941.7	(37/2$^+$)	5427.7	(35/2$^+$)			<2	
517[a] *1*	<2	8011.2?	(45/2$^-$)	7494.2	(43/2$^-$)			<2	
525 *1*	<2	1670.0	(15/2$^-$)	1145.3	(15/2$^-$)	D[&]		<2	R(DCO)=0.3 *1*.
525.2 *4*	3 *1*	3076.2	(21/2$^+$)	2550.9	(23/2$^+$)	D[&]		3 *1*	R(DCO)=0.7 *1*.
557.3 *4*	3 *1*	3505.4	(25/2$^-$)	2947.9	(23/2$^-$)	D[&]		3 *1*	R(DCO)=0.55 *5*.
564[a] *1*	<2	8034.0?	(45/2$^-$)	7470.0	(43/2$^-$)			<2	
579.5 *4*	16 *2*	2248.9	(19/2$^-$)	1670.0	(15/2$^-$)	Q[@]		16 *2*	A_2=+0.31 *5*, A_4=−0.01 *6*. R(DCO)=1.5 *1*.
583.6 *4*	4 *1*	6840.0	(41/2$^-$)	6256.4	(39/2$^-$)			4 *1*	
589.7 *4*	54 *6*	1035.7	(13/2$^-$)	445.8	(11/2$^-$)	D+Q[&]	−0.42 *+6−10*	55 *6*	A_2=−0.86 *3*, A_4=+0.09 *5*. R(DCO)=0.34 *3*.
630 *1*	3 *1*	7470.0	(43/2$^-$)	6840.0	(41/2$^-$)			3 *1*	
634.9 *4*	24 *2*	1670.0	(15/2$^-$)	1035.7	(13/2$^-$)	D(+Q)[&]	−0.02 *5*	24 *2*	Doublet with a contaminant peak. A_2=−0.22 *4*, A_4=+0.07 *5*. R(DCO)=0.3 *1*.
678 *1*	3 *1*	3229.0	(23/2$^+$)	2550.9	(23/2$^+$)			3 *1*	R(DCO)=0.9 *1* is consistent with ΔJ=1 or 2 and also with ΔJ=0, dipole. 1990Ma26 assign ΔJ=0, dipole.
696 *1*	<2	4127.4	(29/2$^+$)	3431.1	(25/2$^+$)			<2	
698.3 *4*	3 *1*	4400.1	(31/2$^-$)	3701.8	(27/2$^-$)	Q[@]		3 *1*	R(DCO)=1.3 *1*.
699.6 *4*	100	1145.3	(15/2$^-$)	445.8	(11/2$^-$)			100	A_2=+0.36 *4*, A_4=−0.01 *4*.
724.3 *4*	19 *2*	1869.4	(17/2$^-$)	1145.3	(15/2$^-$)	D+Q[&]	−0.25 *9*	19 *2*	A_2=−0.70 *3*, A_4=+0.01 *5*. R(DCO)=0.39 *5*.
745.0 *4*	13 *1*	4259.4	(31/2$^+$)	3514.5	(27/2$^+$)	Q[@]		13 *1*	A_2=+0.41 *5*, A_4=−0.02 *6*. R(DCO)=1.31 *4*.
746 *1*	<2	5206.2	(33/2$^-$)	4460.5	(29/2$^-$)			<2	
753.8 *4*	8 *1*	3701.8	(27/2$^-$)	2947.9	(23/2$^-$)	Q[@]		8 *1*	R(DCO)=1.5 *1*.
786.8 *4*	2 *1*	4485.7	(31/2$^+$)	3699.0	(27/2$^+$)			2 *1*	
803[a] *1*	<2	5062.1	(33/2$^-$)	4259.4	(31/2$^+$)			<2	
821 *1*	<2	5651.3	(35/2$^-$)	4830.5	(31/2$^-$)	Q[@]		<2	R(DCO)=1.1 *1*.
823.5 *4*	3 *1*	3505.4	(25/2$^-$)	2682.2	(21/2$^-$)	Q[@]		3 *1*	R(DCO)=1.4 *1*.
833.1 *4*	35 *4*	1869.4	(17/2$^-$)	1035.7	(13/2$^-$)	(Q)[@]		35 *4*	A_2=+0.37 *4*, A_4=+0.09 *5*.
836 *1*	5 *1*	2887.5	(21/2$^-$)	2051.6	(19/2$^-$)	D[&]		5 *1*	R(DCO)=0.4 *1*.
851 *1*	<2	4978.6	(33/2$^+$)	4127.4	(29/2$^+$)			<2	
863.2 *4*	5 *1*	4634.8	(29/2$^-$)	3771.5?	(27/2$^+$)	(D)[&]		5 *1*	R(DCO)=0.8 *1*.
875[a] *1*	<2	6526.2	(39/2$^-$)	5651.3	(35/2$^-$)			<2	
880 *1*	<2	6086.2	(37/2$^-$)	5206.2	(33/2$^-$)			<2	R(DCO)=0.9 *1* suggests ΔJ=1 or 2. 1990Ma26 assign ΔJ=2.
896 *1*	7 *1*	2947.9	(23/2$^-$)	2051.6	(19/2$^-$)			7 *1*	R(DCO)=0.9 *1* is consistent with ΔJ=1 or 2. 1990Ma26 assign ΔJ=2.
906.2 *4*	22 *2*	2051.6	(19/2$^-$)	1145.3	(15/2$^-$)	Q[@]		22 *2*	A_2=+0.39 *4*, A_4=−0.07 *5*. R(DCO)=1.02 *3*.

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^{122}Sn(^{18}O,5nγ) 1990Ma26 (continued)

γ(^{135}Ce) (continued)

E_γ	I_γ[‡]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[†]	δ[†]	$I_{(\gamma+ce)}$	Comments
908[a] *1*	<2	6994.2	(41/2$^-$)	6086.2	(37/2$^-$)			<2	
928[a] *1*	<2	4032.4	(25/2$^-$)	3104.1	(23/2$^-$)			<2	
928.7 *4*	4 *1*	3054.0	(21/2$^+$)	2125.3	(19/2$^+$)	D+Q[&]	−0.16 *8*	4 *1*	A_2=−0.51 *4*, A_4=+0.11 *6*. R(DCO)=0.77 *6*.
933 *1*	<2	4634.8	(29/2$^-$)	3701.8	(27/2$^-$)	(D)[&]		<2	R(DCO)=0.8 *1*.
942 *1*	2 *1*	5342.1	(35/2$^-$)	4400.1	(31/2$^-$)	Q[@]		2 *1*	R(DCO)=1.5 *1*.
942 *1*	<2	5427.7	(35/2$^+$)	4485.7	(31/2$^+$)			<2	
951.1 *4*	<2	3076.2	(21/2$^+$)	2125.3	(19/2$^+$)			<2	
962 *1*	2 *1*	4065.6	(25/2$^-$)	3104.1	(23/2$^-$)	D[&]		2 *1*	R(DCO)=0.4 *1*.
963 *1*	<2	5941.7	(37/2$^+$)	4978.6	(33/2$^+$)			<2	
963.6 *4*	26 *3*	3514.5	(27/2$^+$)	2550.9	(23/2$^+$)	Q[@]		26 *3*	A_2=+0.36 *4*, A_4=−0.01 *5*. R(DCO)=1.21 *4*.
968 *1*	<2	7494.2	(43/2$^-$)	6526.2	(39/2$^-$)			<2	
975 *1*	<2	6299.3	(39/2$^+$)	5324.3	(35/2$^+$)			<2	
991 *1*	<2	4495.8	(27/2$^-$)	3505.4	(25/2$^-$)			<2	
1016[a] *1*	<2	6443.7	(39/2$^+$)	5427.7	(35/2$^+$)			<2	
1019 *1*	5 *1*	2887.5	(21/2$^-$)	1869.4	(17/2$^-$)			5 *1*	
1052.1 *4*	15 *2*	3104.1	(23/2$^-$)	2051.6	(19/2$^-$)	(Q)[@]		15 *2*	A_2=+0.23 *4*, A_4=+0.08 *5*. R(DCO)=1.3 *1*.
1064.9 *4*	4 *1*	5324.3	(35/2$^+$)	4259.4	(31/2$^+$)	(Q)[@]		4 *1*	A_2=+0.46 *10*, A_4=+0.06 *13*.
1076.6 *4*	<2	2946.1	(19/2$^+$)	1869.4	(17/2$^-$)			<2	
1078.6 *4*	4 *1*	4183.2	(27/2$^-$)	3104.1	(23/2$^-$)			4 *1*	R(DCO)=0.9 *1* suggests ΔJ=1 or 2.
1130 *1*	3 *1*	4634.8	(29/2$^-$)	3505.4	(25/2$^-$)	(Q)		3 *1*	R(DCO)>1 suggests ΔJ=2.
1135 *1*	<2	6477.1	(39/2$^-$)	5342.1	(35/2$^-$)			<2	
1178.3 *4*	2 *1*	4065.6	(25/2$^-$)	2887.5	(21/2$^-$)	(Q)[@]		2 *1*	A_2=+0.46 *19*, A_4=+0.13 *22*.
1220.6 *4*	5 *1*	3771.5?	(27/2$^+$)	2550.9	(23/2$^+$)	Q[@]		5 *1*	A_2=+0.049 *10*, A_4=+0.07 *13*. R(DCO)=1.5 *1*.

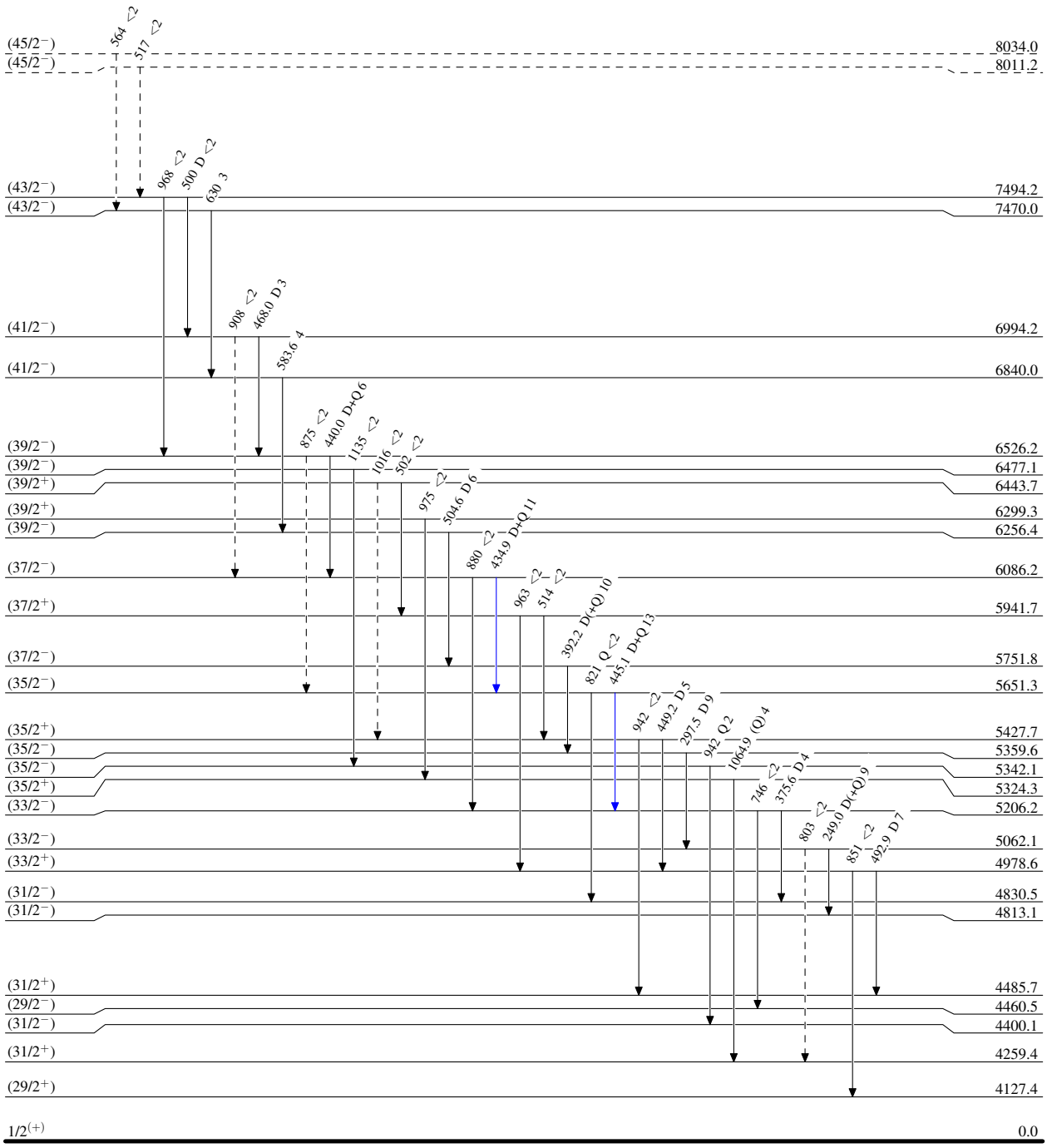
[†] From $\gamma(\theta)$ and $\gamma\gamma(\theta)$ data.
[‡] Deduced from I(γ+ce), assuming E2 for ΔJ=2 and M1 for ΔJ=1, Δπ=no transitions.
[#] From adopted gammas.
[@] $\gamma\gamma(\theta)$ (DCO) and/or $\gamma(\theta)$ indicate ΔJ=2, quadrupole (most likely E2).
[&] $\gamma\gamma(\theta)$ (DCO) and/or $\gamma(\theta)$ indicate ΔJ=1, dipole with possible quadrupole admixture for Δπ=no transitions.
[a] Placement of transition in the level scheme is uncertain.

^{122}Sn(^{18}O,5nγ) 1990Ma26

Level Scheme

Intensities: Relative I_γ

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



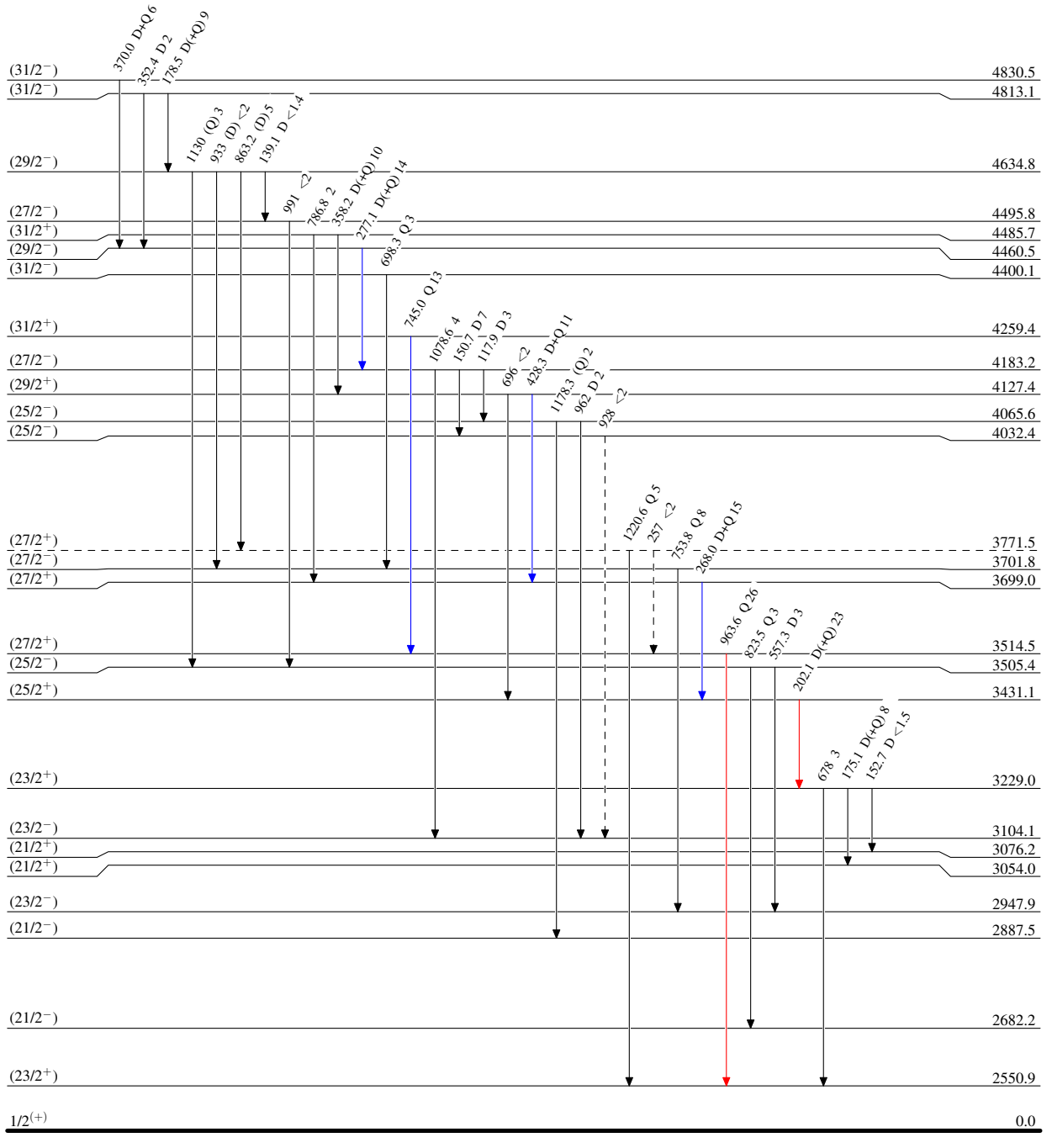
$^{135}_{58}Ce_{77}$

^{122}Sn(^{18}O,5nγ) 1990Ma26

Level Scheme (continued)

Intensities: Relative I_γ

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

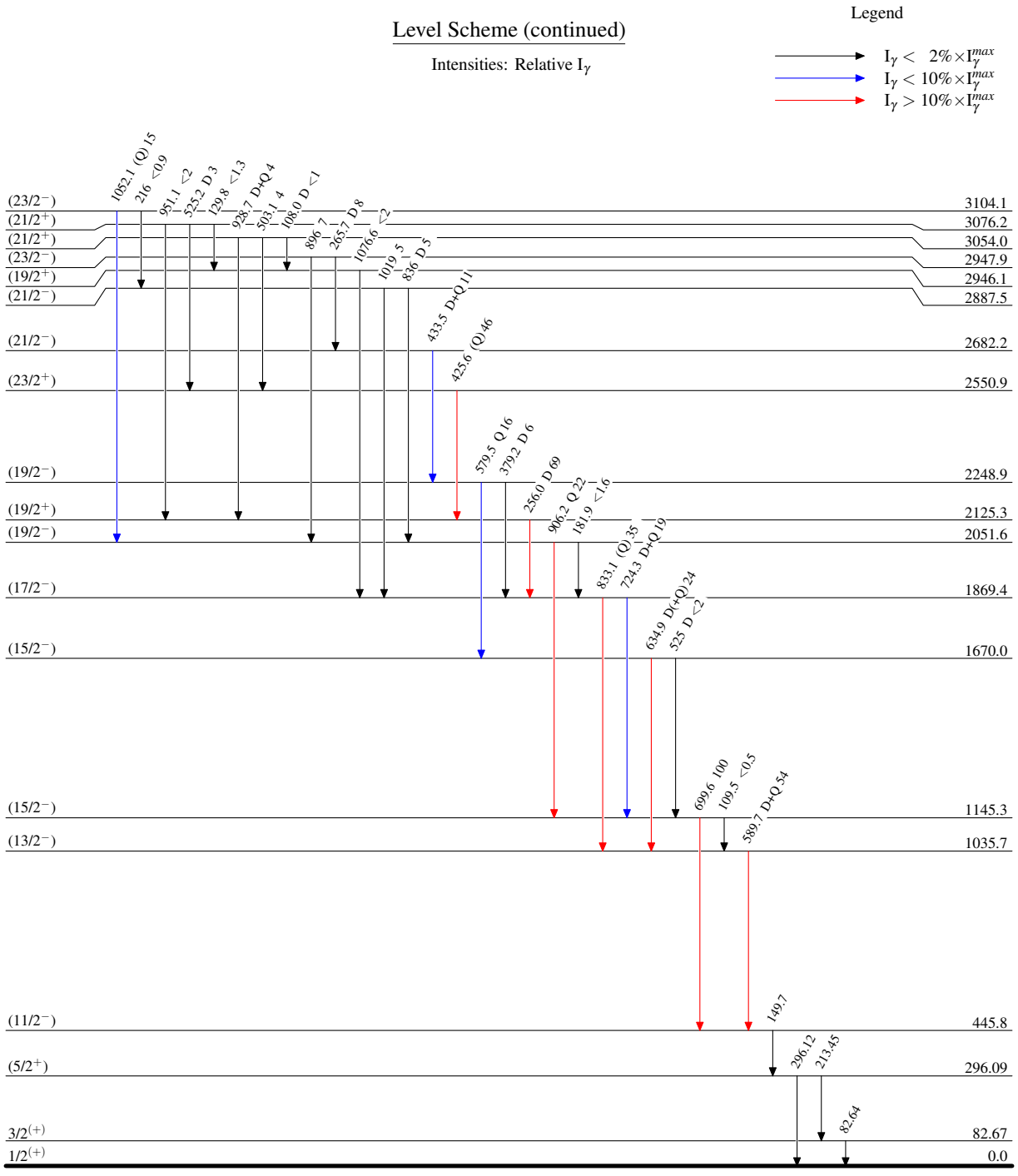


$^{135}_{58}Ce_{77}$

^{122}Sn(^{18}O,5nγ) 1990Ma26

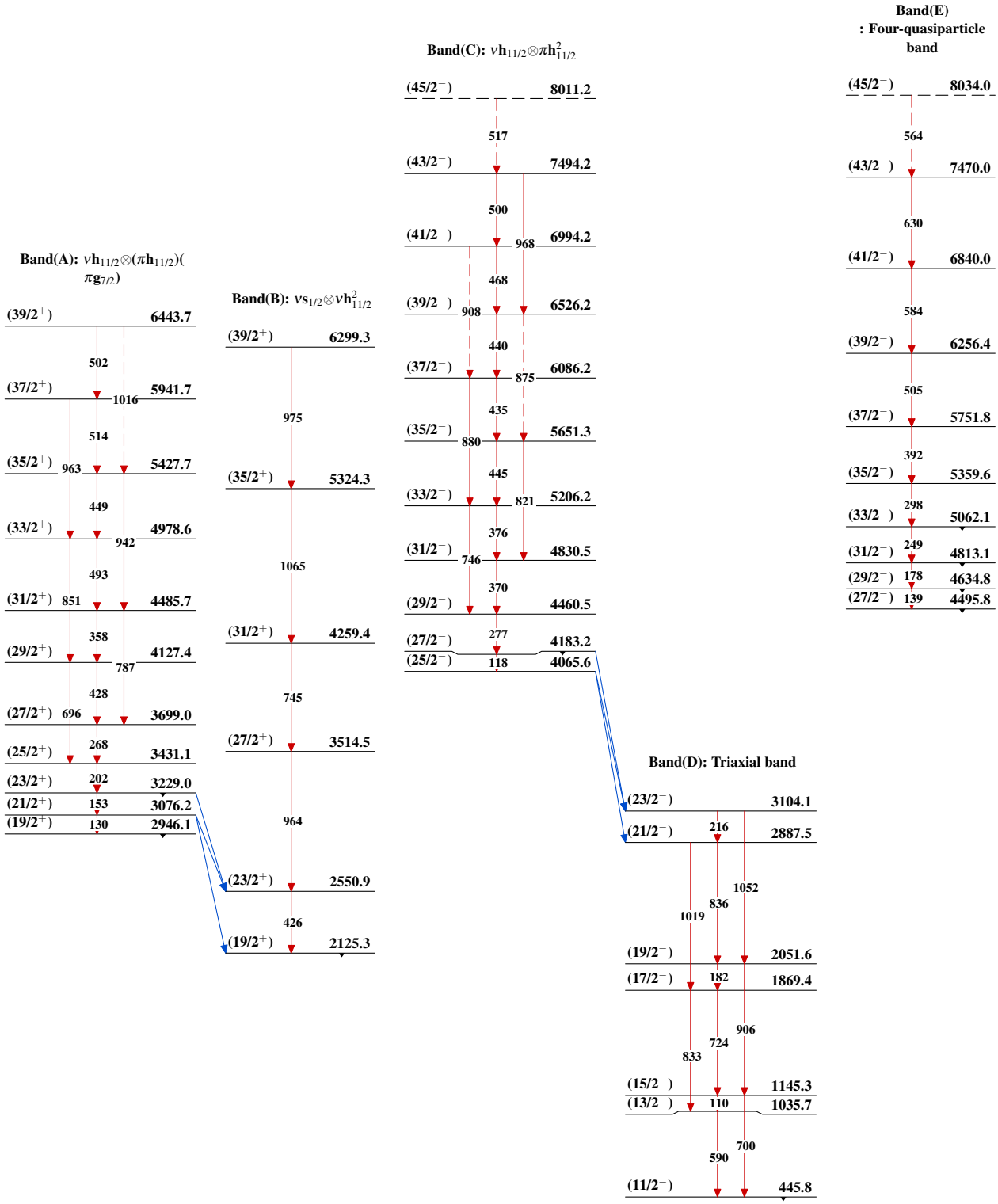
Level Scheme (continued)

Intensities: Relative I_γ



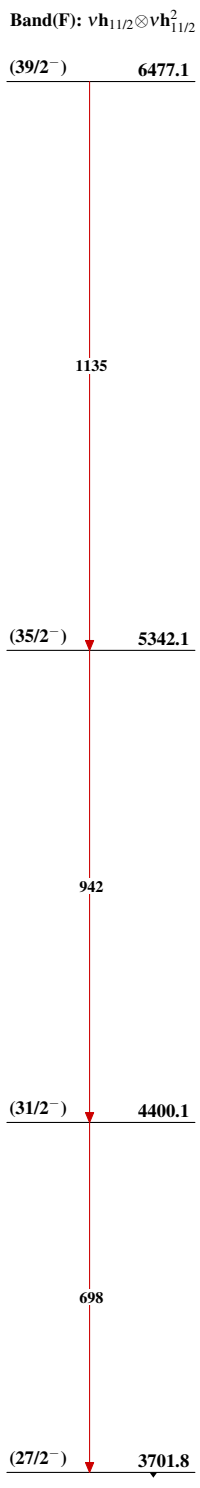
$^{135}_{58}Ce_{77}$

^{122}Sn(^{18}O,5nγ) 1990Ma26



$^{135}_{58}Ce_{77}$

^{122}Sn(^{18}O,5nγ) 1990Ma26 (continued)



$^{135}_{58}Ce_{77}$