### <sup>109</sup>Ag(<sup>16</sup>O,3nγ),<sup>94</sup>Mo(<sup>31</sup>P,2pnγ) 2000Mo16,1998Sm07

		History	
Туре	Author	Citation	Literature Cutoff Date
Full Evaluation	T. Tamura	NDS 108, 455 (2007)	30-Sep-2006

Compiled by evaluator using  $E\gamma'$ s,  $I\gamma'$ s and DCO's from 2000Mo16, with  $E\gamma'$ s from (24<sup>+</sup>), (26<sup>+</sup>), (28<sup>+</sup>) members for band 1, (25<sup>+</sup>), (27<sup>+</sup>) members for band 2 from 1998Sm07.

See also  ${}^{107}$ Ag( ${}^{19}$ F,p3n $\gamma$ ) and  ${}^{112}$ Sn( ${}^{12}$ C,pn $\gamma$ ).

1998Sm07: <sup>94</sup>Mo(<sup>31</sup>P,2pn $\gamma$ ) E(<sup>31</sup>P)=127 MeV; measured E $\gamma$ , I $\gamma$  and  $\gamma\gamma$ -coin. But no numerical data are presented, except E $\gamma$  ( $\Delta$ E $\gamma$ =1 keV) and band structures in Fig.1. Proposed band structures consisting of  $\pi$ =(+) band up to (28<sup>+</sup>), and  $\pi$ =- up to (21<sup>-</sup>) on the basis of B(M1)/B(E2) and comparison with band structures in <sup>118</sup>I, <sup>118,120,124,126</sup>Cs, and <sup>124,126,128</sup>La.

2000Mo16:  $^{109}$ Ag( $^{16}$ O,3n $\gamma$ ) E=80 MeV, Array of Compton suppressed HP Ge and LEPS detectors; E $\gamma$ , I $\gamma$  and DCO ratios,

 $\gamma\gamma$ -coincidence; Deduced levels  $J^{\pi}$ , experimental Routhian surface calculations, cranking shell model calculations. Band 1 through band 6 are assigned.

Other in-beam  $\gamma$  spectroscopy: 1986Qu01: <sup>109</sup>Ag(<sup>18</sup>O,5n $\gamma$ ) E(<sup>18</sup>O)=96 MeV; semi  $\gamma$ ,  $\gamma\gamma$ -coin,  $\gamma\gamma$ (t), excitation functions.

# <sup>122</sup>Cs Levels

E(level)	$J^{\pi #}$	Comments
0.0	1+	
140 <sup>‡<b>b</b></sup> 30	8(-)	Additional information 1.
235.30 <sup>c</sup> 14	(9 <sup>-</sup> )	
272.30 <sup>a</sup> 16	$(9^+)^{(0)}$	
323.5 <sup>&amp;</sup> 4	$(10^+)^{@}$	
365.60 <sup>b</sup> 16	(10 <sup>-</sup> )	
426.8 <sup><i>a</i></sup> 4	$(11^{+})$	
453.8 4	$(10^{-})$	
508.1 <sup><i>x</i></sup> 4	$(12^{+})$	
568.90° 21	(11 <sup>-</sup> )	
787.60° 22	$(12^{-})$	
$814.3^{\circ} 4$ 891 5 <sup>e</sup> 4	$(13^{+})$ $(11^{-})$	
909.4 4	$(11^{-})$	
980.7 <mark>&amp;</mark> 4	$(14^+)$	
1055.6 <sup>d</sup> 4	(13+)	
1072.5 <sup>c</sup> 3	(13 <sup>-</sup> )	
1082.7 <b>f</b> 5	$(12^{-})$	
1358.2 <sup>e</sup> 4	(13 <sup>-</sup> )	
1361.1 <sup>b</sup> 3	(14 <sup>-</sup> )	
1373.2 <sup><i>a</i></sup> 4	$(15^{+})$	
1632.4 <sup><i>d</i></sup> 5	$(15^{+})$	
1640.0 <sup>&amp;</sup> 4	$(16^{+})$	
1699.5 <sup><i>f</i></sup> 6	(14 <sup>-</sup> )	
1707.3 <sup>°</sup> 4	$(15^{-})$	
1937.7° 6	(15 <sup>-</sup> )	
$2051.7^{\circ}$ 4	$(16^{-})$	
$2077.7^{\circ}$ 5	(17)	
$2508.0^{-1}0$	$(1/^{-})$	
2398.0 <sup>7</sup> б 2444 1 <sup>С</sup> 4	(10) $(17^{-})$	
24771.1 7 2454.3 8 5	(17) $(18^+)$	
24J4.3 J	(10)	

### $^{109}$ Ag( $^{16}$ O,3n $\gamma$ ), $^{94}$ Mo( $^{31}$ P,2pn $\gamma$ ) 2000Mo16,1998Sm07 (continued)

E(level)	$J^{\pi \#}$	E(level)	$J^{\pi \#}$	E(level)	$J^{\pi \#}$	E(level)	$J^{\pi \#}$
2623.9 <sup>e</sup> 7	(17 <sup>-</sup> )	3391.8 <sup>&amp;</sup> 5	$(20^{+})$	4287.4 9	(21 <sup>-</sup> )	5699? <sup>†b</sup> 4	(24 <sup>-</sup> )
2836.6 <sup>b</sup> 5	(18 <sup>-</sup> )	3407.1 <sup>e</sup> 8	(19 <sup>-</sup> )	4426.6 <mark>&amp;</mark> 6	$(22^{+})$	5965 <sup>†a</sup> 3	(25 <sup>+</sup> )
2909.5 <sup>a</sup> 5	(19 <sup>+</sup> )	3706.8 <sup>b</sup> 5	(20 <sup>-</sup> )	4652.9 <sup>b</sup> 7	(22 <sup>-</sup> )	6673 <sup>†&amp;</sup> 5	(26+)
3194.1 <b>5</b> 9	(18 <sup>-</sup> )	3849.2 <sup>a</sup> 6	(21+)	4874.5 <sup>a</sup> 6	(23+)	7105? <sup>†a</sup> 5	(27 <sup>+</sup> )
3234.4 <sup>d</sup> 7	(19 <sup>+</sup> )	4156.9 <sup>c</sup> 5	(21-)	5121.3 <sup>c</sup> 7	(23 <sup>-</sup> )	7873? <sup>†&amp;</sup> 5	(28+)
3263.1 <sup>c</sup> 5	(19 <sup>-</sup> )	4279.8 <sup>e</sup> 9	$(21^{-})$	5532 <sup>†&amp;</sup> 3	$(24^{+})$		

### <sup>122</sup>Cs Levels (continued)

<sup>†</sup> From 1998Sm07.

 $^{\ddagger}$  Mass difference of the g.s. and this isomers.

<sup>#</sup> Based on the band structures built on  $8^{(-)}$ , (140 keV 30) state,

<sup>(a)</sup> There have been made discrepant spin assignments for the the band 1 and band 2, namely, base level at 324 keV as  $(10^+)$ , and 272 keV as  $(9^+)$  by 2000Mo16 (1998Sm07,2005Ku34); while the 324 keV as  $(8^+)$ , and the 272 keV as  $(7^+)$  by 2005Uu01 (1996Li13). Both choices appear to fit smooth-energy spacing trend as discussed in 1998Sm07, 1996Li13 and 2005Uu01. Evaluator takes the assignments of 2000Mo16 (1998Sm07,2005Ku34).

<sup>&</sup> Band(A): band 1,  $\pi h_{11/2} \otimes \nu h_{11/2}$ ,  $\alpha = 0$ .

<sup>*a*</sup> Band(a): band 2,  $\pi h_{11/2} \otimes \nu h_{11/2}$ ,  $\alpha = 1$ .

- <sup>*b*</sup> Band(B): band 3,  $\pi h_{11/2} \otimes v d_{5/2}$ ,  $\alpha = 0$ .
- <sup>*c*</sup> Band(b): band 4,  $\pi h_{11/2} \otimes \nu d_{5/2}$ ,  $\alpha = 1$ .
- <sup>d</sup> Band(C): band 5, Band based on  $(13^+)$ .
- <sup>e</sup> Band(D): band 6, Band based on (11<sup>-</sup>).
- <sup>f</sup> Band(E): band 7, Band based on (12<sup>-</sup>).

### $\gamma(^{122}Cs)$

E <sub>i</sub> (level)	$\mathbf{J}_i^{\pi}$	$E_{\gamma}^{\dagger}$	$I_{\gamma}^{\#}$	$E_f$	$\mathbf{J}_{f}^{\pi}$	Mult.@	Comments
235.30 272.30	(9 <sup>-</sup> ) (9 <sup>+</sup> )	95.3 2 37.0 2	71 4	140 235.30	8 <sup>(-)</sup> (9 <sup>-</sup> )	D(+Q)	Mult.: DCO(f)=0.9 2. observed only in coincidence spectra with the 95 $\gamma$ . L.: No value given.
		132.3 2	100	140	8(-)	E1	Mult.: DCO(d)=0.7 2; 2000Mo16 deduced E1 from angular distribution and linear polarization.
323.5	(10 <sup>+</sup> )	51.2 4	7.9 11	272.30	(9+)	(D+Q)	Mult.: conversion coefficient deduced from intensity balance at 323.5 keV requires mult.=E2(+M1).
365.60	$(10^{-})$	130.3 2	30.3 15	235.30	(9 <sup>-</sup> )	D(+Q)	Mult.: DCO(d)=0.6 2.
		225.6 2	1.8 <i>3</i>	140	8(-)	Q	Mult.: evaluator assumes the DCO value given as 2.3 by 2000Mo16 is DCO(d) value because $225.6\gamma$ is parallel with 132.3 E1 gating $\gamma$ .
426.8	$(11^{+})$	103.3 2	87 4	323.5	$(10^{+})$	D(+Q)	Mult.: DCO(e)=0.7 2.
		154.5 <i>4</i>	2.9 4	272.30	$(9^{+})$	Q	Mult.: DCO(e)=2.0 8.
453.8	(10 <sup>-</sup> )	218.5 4	4.4 7	235.30	(9-)	D	$E_{\gamma}$ : doublet of 218.5 and 218.7. Mult.: DCO(g)=0.9 4.
508.1	$(12^{+})$	81.3 2	52 <i>3</i>	426.8	$(11^{+})$	D(+Q)	Mult.: DCO(e)=0.9 2.
		184.6 2	5.2 8	323.5	$(10^{+})$	Q	Mult.: DCO(e)=1.6 6.
568.90	$(11^{-})$	203.3 2	24.5 12	365.60	$(10^{-})$	D(+Q)	Mult.: DCO(f)=0.9 2.
		333.6 4	3.1 5	235.30	(9-)	Q	Mult.: DCO(g)=2.0 8.
787.60	(12 <sup>-</sup> )	218.7 2	10.0 5	568.90	(11 <sup>-</sup> )	D(+Q)	$E_{\gamma}$ : doublet of 218.5 and 218.7. Mult.: DCO(f)=1.0 <i>3</i> .
		422.0 2	10.2 5	365.60	$(10^{-})$	Q	Mult.: DCO(f)=1.7 4.
814.3	(13+)	306.2 2	57 3	508.1	$(12^{+})$	D(+Q)	Mult.: DCO(e)=0.5 1.

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# $^{109}$ Ag( $^{16}$ O,3n $\gamma$ ), $^{94}$ Mo( $^{31}$ P,2pn $\gamma$ ) 2000Mo16,1998Sm07 (continued)

# $\gamma(^{122}Cs)$ (continued)

E <sub>i</sub> (level)	$\mathbf{J}_i^{\pi}$	$E_{\gamma}^{\dagger}$	$I_{\gamma}^{\#}$	$E_f$	$\mathbf{J}_f^{\pi}$	Mult.@	Comments
814.3	$(13^{+})$	387.5 4	6.0.9	426.8	$(11^{+})$	0	Mult.: $DCO(e) = 1.7.7$ .
891.5	$(11^{-})$	525.9 4	3.96	365.60	$(10^{-})$	Ď	Mult.: $DCO(f) = 1.04$ .
909.4	$(11^{-})$	455.6 4	4.3 6	453.8	$(10^{-})$	D	$E_{\alpha}$ : doublet of 455.2 and 455.6.
	()				()		Mult: $DCO(h)=0.4.2$
		543 8 4	416	365 60	$(10^{-})$	D	Mult $DCO(f) = 0.9.4$
980 7	$(14^{+})$	166 4 2	29 5 15	814.3	$(13^+)$	D(+0)	Mult : $DCO(e)=0.8.2$
200.7	(11)	472.6.2	73.4	508.1	$(12^+)$	0	Mult: $DCO(e) = 1.5.4$
1055.6	$(13^{+})$	547 5 2	1176	508.1	$(12^+)$	$\tilde{D}(+0)$	Mult: $DCO(e)=0.7.2$
1072.5	$(13^{-})$	284.9.2	10.2.5	787.60	$(12^{-})$	$D(\pm 0)$	Mult: $DCO(f) = 0.9.2$
1072.5	(15)	503.6.4	63 10	568.90	$(12^{-})$	D(1Q)	Mult: $DCO(f)=2.1.8$
1082.7	$(12^{-})$	513.8 4	163	568.90	$(11^{-})$	D	Mult: $DCO(f) = 0.6.3$
1358.2	$(12^{-})$	118.8 1	365	000.70	$(11^{-})$	0	Mult: $DCO(f) = 0.05$ .
1556.2	(15)	466 7 <i>A</i>	5.0 5	909. <del>4</del> 801.5	$(11^{-})$	Q	F : only presented in the level scheme, no by value given
1361.1	$(14^{-})$	288.6.4	500	1072.5	$(11^{-})$	$D(\pm 0)$	$L_{\gamma}$ . only presented in the level scheme, no $1\gamma$ value given. Mult : DCO(f)=0.8.3
1501.1	(14)	573 5 2	1056	787.60	$(13^{-})$	$D(\pm Q)$	Mult.: $DCO(f) = 0.85$ . Mult : $DCO(f) = 1.05$
1050.0	(15+)	373.52	10.50	707.00	(12)	Q	Mult DCO(1)=1.9 5.
1373.2	$(15^{+})$	392.5°° 3	35.0	980.7	$(14^{+})$	D(+Q)	$E_{\gamma}$ : triplet of 392.4, 392.5 and 392.6.
					(12+)		Mult.: DCO(f)=0.6 3.
	(4 <b>m</b> ± 5	558.9 2	13.8 7	814.3	$(13^{+})$	Q	Mult.: $DCO(e) = 1.3 3$ .
1632.4	$(15^{+})$	576.8 4	5.0 8	1055.6	$(13^{+})$	Q	Mult.: $DCO(e) = 1.6 6.$
		651.7 2	11.1 6	980.7	(14 <sup>+</sup> )	D(+Q)	Mult.: $DCO(f)=0.8$ 3.
1640.0	$(16^{+})$	266.8 4	5.1 8	1373.2	$(15^{+})$	D(+Q)	Mult.: $DCO(e)=0.7 \ 3.$
		659.3 2	57.2 28	980.7	$(14^{+})$	Q	Mult.: $DCO(e) = 1.5 4$ .
1699.5	$(14^{-})$	616.8 4	1.9 3	1082.7	$(12^{-})$	Q	Mult.: DCO(f)=3.0 12.
1707.3	$(15^{-})$	346.2 3	4.7 7	1361.1	$(14^{-})$	D(+Q)	Mult.: DCO(f)=0.8 3.
		634.8 <i>4</i>	7.6 10	1072.5	$(13^{-})$	Q	Mult.: $DCO(f)=2.2 \ 8.$
1937.7	$(15^{-})$	579.5 4	5.8 10	1358.2	$(13^{-})$	Q	Mult.: DCO(f)=1.8 7.
2051.7	(16 <sup>-</sup> )	344.4 4	3.8 6	1707.3	$(15^{-})$	D(+Q)	Mult.: DCO(f)=0.8 3.
		690.6 4	8.1 12	1361.1	$(14^{-})$	Q	Mult.: DCO(f)=2.2 9.
2077.7	$(17^{+})$	437.7 2	14.2 7	1640.0	$(16^{+})$	D(+Q)	Mult.: DCO(e)=0.6 2.
		704.5 2	11.4 6	1373.2	$(15^{+})$	Q	Mult.: $DCO(e)=1.5$ 4.
2368.6	$(17^{+})$	736.2 4	4.7 8	1632.4	$(15^{+})$	Q	$E_{\gamma}$ : doublet of 736.2 and 736.8.
							Mult.: DCO(e)=1.7 7.
2398.6	(16 <sup>-</sup> )	699.1 <i>4</i>	2.7 4	1699.5	$(14^{-})$	Q	Mult.: DCO(f)=2.7 10.
2444.1	$(17^{-})$	392.4 <mark>&amp;</mark> 2	35.0 <mark>&amp;</mark> 18	2051.7	$(16^{-})$	D(+O)	$E_{y}$ : triplet of 392.4, 392.5 and 392.6.
	. ,				. ,		Mult.: DCO(f)=0.7 2.
		736.8 4	9.8 15	1707.3	$(15^{-})$	0	$E_{\alpha}$ : doublet of 736.2 and 736.8.
					( - )		Mult.: $DCO(f) = 1.7.7$ .
2454.3	$(18^{+})$	814.3 2	24.1 12	1640.0	$(16^{+})$	0	Mult.: $DCO(e) = 1.8 4$ .
2623.9	$(17^{-})$	686.2 4	5.8 10	1937.7	$(15^{-})$	ò	Mult.: DCO(f)=1.8 7.
2836.6	$(18^{-})$	307 5 & 1	35 0 &	2444-1	$(17^{-})$	$D(\pm 0)$	E : triplet of 302 4, 302 5 and 302 6
2850.0	(10)	592.5 4	55.0	2444.1	(17)	$D(\mp Q)$	$E_{\gamma}$ . Inplet of 392.4, 392.5 and 392.0. Mult : DCO(e)=0.7.2
		784 0 4	6310	2051.7	$(16^{-})$	0	Mult.: $DCO(f) = 0.72$ . Mult : $DCO(f) = 2.20$
2000 5	$(10^{+})$	155 2 1	4.8.7	2051.7	$(10^{-})$	Q	F : doublet of $455.2$ and $455.6$
2909.5	(1))	455.2 4	<b>H.</b> 0 /	2434.3	(10)	$D(\mp Q)$	$E_{\gamma}$ . doublet of $+55.2$ and $+55.0$ . Mult : DCO(a)=0.5.2
		021 0 1	6010	2077 7	$(17^{+})$	0	Mult.: $DCO(c) = 0.5 2$ . Mult.: $DCO(c) = 2.8 / 12$
2104.1	$(10^{-})$	031.04 705.54	0.910	2077.7	(17) $(16^{-})$	Q	Mult $DCO(e) = 2.8 T2.$
2724.1	$(10^+)$	795.54 965 9 <i>1</i>	172	2398.0	(10)	0	Mult: $DCO(a) = 1.6.6$
3234.4 3263 1	(19)	005.04 126.5 1	1.73	2300.0 2836.6	(17)		Mult: DCO(t)=1.00.
5205.1	(17)	+20.3 4 810 0 2	5010	2030.0	(10)	D(TQ)	Mult $\cdot$ DCO(1)=0.7 J.
3301 9	$(20^{+})$	019.03	5.9 IU 10 5 5	2444.1 2454 2	(17)	Q O	Mult: $DCO(1)=1.77$ .
2407 1	$(20^{-})$	701.04	10.5 5	2434.3	$(10^{-})$	Q O	Mult: $DCO(c) = 2.0 0.$
2706 P	(19)	105.24	4.00 251	2023.9	(1/)	Q	WINIT. $DCO(1)=1.7/7.$
5700.8	(20)	443.12	2.34 199	3203.1 2024 4	(19)	0	Mult $\cdot$ DCO(f) = 1.6.7
2840.2	(21+)	010.24	4.00	2001.0	(10)	V D(LO)	Mult. DCO(1)=1.0 /.
3849.2	(21)	43/.4 4	1.3 2	2000 5	$(20^{\circ})$	D(+Q)	Mult. $DCO(e)=0.0.5$ .
		939.14	J.0 9	2909.3	(19')	Q	Mult.: $DCO(e)=1.9$ 8.

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			$^{109}$ Ag( $^{16}$ O,3n $\gamma$ ), $^{94}$ Mo( $^{31}$ P,2pn $\gamma$ ) 2000Mo16,1998Sm07 (continued)							
$\gamma$ <sup>(122</sup> Cs) (continued)										
E <sub>i</sub> (level)	$\mathbf{J}_i^{\pi}$	$E_{\gamma}^{\dagger}$	$I_{\gamma}^{\#}$	$E_f$	$\mathbf{J}_f^{\pi}$	Mult. <sup>@</sup>	Comments			
4156.9	$(21^{-})$	893.8 2	2.5 4	3263.1	(19 <sup>-</sup> )	Q	Mult.: DCO(f)=2.0 8.			
4279.8	$(21^{-})$	872.7 4	0.8 2	3407.1	(19 <sup>-</sup> )	Q	Mult.: DCO(h)=0.9 5.			
4287.4	$(21^{-})$	880.3 4	0.6 1	3407.1	(19 <sup>-</sup> )	Q	Mult.: DCO(h)=0.8 5.			
4426.6	$(22^{+})$	1034.8 4	2.2 4	3391.8	$(20^{+})$	Q	Mult.: DCO(e)=1.7 9.			
4652.9	$(22^{-})$	946.1 <i>4</i>	1.6 3	3706.8	$(20^{-})$	Q	Mult.: DCO(f)=1.8 8.			
4874.5	$(23^{+})$	447.9 <i>4</i>	1.0 2	4426.6	$(22^{+})$					
		1025.3 4	0.6 2	3849.2	$(21^{+})$	Q	Mult.: $DCO(e)=1.5 6$ .			
5121.3	$(23^{-})$	964.4 <i>4</i>	1.2 2	4156.9	$(21^{-})$	Q	Mult.: $DCO(f)=1.3 5$ .			
5532	$(24^{+})$	1105 <sup>‡</sup> 3		4426.6	$(22^{+})$		Possibly corresponds to $E\gamma = 1102$ keV in ( <sup>19</sup> F,p3n $\gamma$ ).			
5699?	(24 <sup>-</sup> )	1047 <sup>‡a</sup> 3		4652.9	(22 <sup>-</sup> )					
5965	$(25^+)$	1090 <sup>‡</sup> 3		4874.5	$(23^{+})$		Possibly corresponds to $E\gamma=1088$ keV in ( <sup>19</sup> F,p3n $\gamma$ ).			
6673	$(26^{+})$	1141 <sup>‡</sup> 3		5532	$(24^{+})$		Possibly corresponds to $E\gamma=1139$ keV in ( <sup>19</sup> F,p3n $\gamma$ ).			
7105?	$(27^{+})$	1140 <sup>‡a</sup> 3		5965	$(25^{+})$					
7873?	$(28^{+})$	1200 <sup>‡a</sup> 3		6673	$(26^{+})$					

<sup>†</sup> From 2000Mo16, unless noted otherwise.

<sup>‡</sup> From 1998Sm07; no I $\gamma$  value given by authors; the E $\gamma$  are about 2 keV higher systematically than those of 2000Mo16.

<sup>#</sup> From 2000Mo16. Relative to  $I(132\gamma)=100$ .

<sup>(a)</sup> From DCO ratio (2000Mo16) as given in the comment for each  $\gamma$ . DCO ratio  $I\gamma(0^{\circ})/I\gamma(117^{\circ})$  data are obtained for the following coincidence conditions: DCO(d): from the total  $\gamma$ - $\gamma$  asymmetric (0° by 117°) matrix; DCO(e): from the gate on 132.3 E1 transition. Note that DCO ratio of the 132.3 transition from the total  $\gamma$ - $\gamma$  asymmetric matrix is 0.73; DCO(f): from the gate on 130.3 D(+Q) transition. Note that DCO ratio of the 130.3 transition from the total  $\gamma$ - $\gamma$  asymmetric matrix is 0.59; DCO(g): from the gate on 95.3 D(+Q) transition DCO(h): from the gate on 579.5 Q transition. When both the gating and observing transitions are stretched and the same mult., DCO ratio, R $\approx$ 1, if gating transition is stretched D transition and observing D+Q transition, R ranges between 0.5 and 2.5 depending on  $\delta$ .

& Multiply placed with undivided intensity.

<sup>a</sup> Placement of transition in the level scheme is uncertain.



55 - 0

## <sup>109</sup>Ag(<sup>16</sup>O,3nγ),<sup>94</sup>Mo(<sup>31</sup>P,2pnγ) 2000Mo16,1998Sm07

#### Level Scheme (continued)

Intensities: relative  $I(\gamma)$  & Multiply placed: undivided intensity given



<sup>122</sup><sub>55</sub>Cs<sub>67</sub>

# $\frac{{}^{109}\text{Ag}({}^{16}\text{O},\!3n\gamma),\!{}^{94}\text{Mo}({}^{31}\text{P},\!2pn\gamma)}{2000\text{Mo16},\!1998\text{Sm07}}$

### Level Scheme (continued)



<sup>122</sup><sub>55</sub>Cs<sub>67</sub>





<sup>122</sup><sub>55</sub>Cs<sub>67</sub>

