

Interpreted ENSDF: ensdf+

by V.Zerkin, Vienna, 2015-2026, ver-2026-01-22

[-] My ENSDF file

[-] MASS 184 [-] Nuclide 184AU [-] Dataset /DECAY/ 184AU [184HG EC DECAY] 

[-] Ident

184AU	184HG EC DECAY	2005SA40,1994IB01,1978NE1010NDS	201002	#Record 1/1	Ident	Line:1
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[-] Hist H Record(s): 1

184AU	H	TYP=FUL\$AUT=CORAL M. BAGLIN\$CIT=NDS 111,275 (2010)\$CUT=1-Oct-2009\$	#Record 1/1	Hist	Line:2
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#TYP: FUL //Complete revision of the nuclide
#AUT: Coral M. Baglin
#CIT: NDS 111,275 (2010)
#CUT: 1-Oct-2009

[-] GComm C Record(s): 8

184AU D	PARENT T: 30.6 S 3 (1972Fi12), 30.9 S 3 (1994Wa23).	#Record 1/8	GComm	Line:3[3]
184AU2D	32.5 S 10 (1970Ha18); from 5535A(T). 32.0 S 10 (1969Ha03).	#PARENT T: 30.6 S 3 (1972Fi12), 30.9 S 3 (1994Wa23). 32.5 S 10 (1970Ha18); from 5535A(T). 32.0 S 10 (1969Ha03). WEIGHTED AVERAGE: 30.87 S 26.		
184AU3D	WEIGHTED AVERAGE: 30.87 S 26.			

184AU c	Others: 1975Ho03, 1971Hu02, 1969Ha03 (observed 157 g and 237 g).	#Record 2/8	GComm	Line:6
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Others: 1975Ho03, 1971Hu02, 1969Ha03 (observed 157γ and 237γ).

184AU c	2005Sa40: mass-separated {+184}Hg source from fragmentation of molten	#Record 3/8	GComm	Line:7[9]
184AU2c	Pb target by 600 MeV or 1 GeV protons; Ge(Li) and Si(Li) detectors,	#2005Sa40:: mass-separated ¹⁸⁴ Hg source from fragmentation of molten Pb target by 600 MeV or 1 GeV protons; Ge(Li) and Si(Li) detectors, high resolution 180° magnetic spectrograph; measured E _γ , I _γ , E(ce), I(ce). Additional sources from ¹⁴⁸ Sm(⁴⁰ Ar,X); planar Ge (FWHM=0.9 keV at 122 keV) for E _γ <1 MeV; two HPGe detectors (FWHM		
184AU3c	high resolution 180 ' magnetic spectrograph; measured E g, I g,	180° magnetic spectrograph; measured E _γ , I _γ , E(ce), I(ce). Additional sources from ¹⁴⁸ Sm(⁴⁰ Ar,X); planar Ge (FWHM=0.9 keV at 122 keV) for E _γ ≤1 MeV; two HPGe detectors (FWHM ≈2.3 keV at 1.3 MeV) for E _γ ≤1.3 MeV; measured x-γ-t and γ-γ-t events which were sorted to provide prompt-, total- and delayed- coincidence bidimensional matrices (60 ns or 100 ns time windows). Supersedes 2003IbZZ; see also 1994Ib01.		
184AU4c	E(ce), I(ce). Additional sources from {+148}Sm({+40}Ar,X); planar Ge			
184AU5c	(FWHM=0.9 keV at 122 keV) for E g <1 MeV; two HPGe detectors (FWHM			
184AU6c	?2.3 keV at 1.3 MeV) for E g <1.3 MeV; measured x- g-t and g- g-t			
184AU7c	events which were sorted to provide prompt-, total- and delayed-			
184AU8c	coincidence bidimensional matrices (60 ns or 100 ns time windows).			
184AU2c	Supersedes 2003IbZZ; see also 1994Ib01.			

184AU c	1994Ib01: mass separated source from bombardment of {+148}Sm by 185 MeV	#Record 4/8	GComm	Line:16[4]
184AU2c	{+40}Ar ions; He-jet transport, iodine aerosol; two HPGe coaxial	#1994Ib01:: mass separated source from bombardment of ¹⁴⁸ Sm by 185 Me ⁴⁰ Ar ions; He-jet transport, iodine aerosol; two HPGe coaxial detectors, one HPGe x-ray detector; measured singles γ and x-ray spectra, γγ(t), x-γ(t). See also 1994RoZY.		
184AU3c	detectors, one HPGe x-ray detector; measured singles g and x-ray			
184AU4c	spectra, g g(t), x- g(t). See also 1994RoZY.			

Show/Hide

- ☐ L-Fmt
- ☐ G-Fmt
- ☒ Interpret.
- ☒ #Record
- ☐ Hierarchy
- ☒ G-plot
- ☐ G-plot:ok
- ☐ L-plot/V
- ☐ L-plot/H
- ☐ L_n in/out

184AU c	1975Ho03: b strength function deduced from total-absorption g	#Record 5/8 GComm Line:20[2]	
184AU2c	measurement	#1975Ho03:: β strength function deduced from total-absorption γ measurement	<div> Show/Hide <input type="checkbox"/> L-Fmt <input type="checkbox"/> G-Fmt <input checked="" type="checkbox"/> Interpret. <input checked="" type="checkbox"/> #Record <input type="checkbox"/> Hierarchy <input checked="" type="checkbox"/> G-plot <input type="checkbox"/> G-plot:ok <input type="checkbox"/> L-plot/V <input type="checkbox"/> L-plot/H <input type="checkbox"/> L_n in/out </div>
184AU c	1978Ne10: Mass-separated source; measured E g, I g, g g coin, g g(t)	#Record 6/8 GComm Line:22[2]	
184AU2c	(time resolution 6 ns {I1}).	#1978Ne10:: Mass-separated source; measured E γ coin, $\gamma\gamma$ (t)(time resolution 6 ns {I1}).	
184AU c		#Record 7/8 GComm Line:24	
184AU c	The decay scheme is adopted from 2005Sa40. It differs greatly from	#Record 8/8 GComm Line:25[7]	
184AU2c	that proposed by 1978Ne10. Although E g and I g data from 2005Sa40 and	#The decay: scheme is adopted from 2005Sa40 differs greatly from that proposed by 1978Ne10.	
184AU3c	1978Ne10 are in satisfactory agreement, there exist a number of	Although E γ and I γ data from 2005Sa40 and 1978Ne10	
184AU4c	transitions with E g<90 keV which 1978Ne10 could not detect. Also,	are in satisfactory agreement, there exist a number of	
184AU5c	the lowest energy state reported in 1978Ne10 is actually a 68-keV 2+	transitions with E γ <90 keV which 1978Ne10 could not	
184AU6c	isomer, not a 3+ g.s., and the presence of a state just 3.4 keV above	detect. Also, the lowest energy state reported in	
184AU7c	the isomer was not recognized by 1978Ne10.	1978Ne10 is actually a 68-keV 2+ isomer, not a 3+ g.s.,	
		and the presence of a state just 3.4 keV above the	
		isomer was not recognized by 1978Ne10.	
-	GComm CE Record(s): 1		
184AU cE	TI,LOGFT I(g+ce) is from intensity imbalance at each level. I(g+ce)	#Record 1/1 GComm Line:32[4]	
184AU2cE	values <10% may not be reliable due to existence of unplaced	#TI,LOGFT: I(γ +ce) is from intensity imbalance at each	
184AU3cE	transitions, several of which are highly converted	level. I(γ +ce)values <10% may not be reliable due to	
184AUxcE	(I(g+ce)(30.3 g) ?6%).	existence of unplaced transitions, several of which are	
		highly converted (I(γ +ce)(30.3 γ) \approx 6%).	
-	GComm CG Record(s): 4		
184AU cG	E,RI From 2005Sa40, except as noted.	#Record 1/4 GComm Line:36	
		#E,RI: From 2005Sa40, except as noted.	
184AU cG	M From a(K)exp values given by 2005Sa40, except as noted.	#Record 2/4 GComm Line:37	
		#M: From α (K)exp values given by 2005Sa40, except	
		as noted.	
184AU cG	MR From analysis of ce data by 2005Sa40.	#Record 3/4 GComm Line:38	
		#MR: From analysis of ce data by 2005Sa40.	
184AU cG	E(B) From 1978Ne10.	#Record 4/4 GComm Line:39	
		#E(B): From 1978Ne10.	
-	LComm CL Record(s): 3		
184AU cL	E From least-squares fit to E g.	#Record 1/3 LComm Line:40	
		#E: From least-squares fit to E γ .	
184AU cL	J From Adopted Levels.	#Record 2/3 LComm Line:41	
		#J: From Adopted Levels.	
184AU cL	T From g g(t) (1978Ne10), except where noted.	#Record 3/3 LComm Line:42	

-	Parent	P	Record(s): 1						
184HG	P	0.0	0+	30.87	S	26	3970	24	
-	Norm	N	Record(s): 1						
184AU	N	0.034	3 0.034	3 0.9889	6 1.01122				
184AU	cN	NR	from S(I(g+ce) to g.s.)=100, assuming no e+ b{++} feeding						
184AU2cN	to the g.s. (DJ=5) or to the 68 or 72 levels (DJ=2 or 3, D p=no).								

-	PNorm	PN	Record(s): 1										
184AU PN													3
-	UnplacedRadiation	G	Record(s): 12										
184AU G 29.4 1 1.5 3M1 47.2 9													
184AUS G LC=36.3 7\$MC=8.43 15\$NC+=2.51 5													
184AUS G NC=2.10 4\$OC=0.386 7\$PC=0.0260 5													
184AU cG M a(L1)exp=38 {I18}, L1:L2=1.0:0.4, a(M1)exp=8.7 {I2}													
184AUxcG (2005Sa40).													

184AU	G	30.3	1	1.7	4M1+E2	0.20	AP	98.1	AP
184AUS	G	LC AP	74.5\$MC	AP	18.4\$NC+	AP	5.31		
184AUS	G	NC AP	4.53\$OC	AP	0.764\$PC	AP	0.0233		
184AU	cG	M	a(L1)exp=35 {I10}, a(L3)exp=21 {I8} (2005Sa40).						

184AU	G	43.3	3 4.3	6				
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#T: From $\gamma(t)$ (1978Ne10), except where noted.

#Record 1/1 Parent Line:43

#Record 1/1 Norm Line:44[3]

#NR: from $\Sigma(I(\gamma+ce)$ to g.s.)=100, assuming no π feeding to the g.s. ($\Delta J=5$) or to the 68 or 72 levels or 3, $\Delta\pi=no$.

#Record 1/1 PNorm Line:47

#Record 1/12 UnplacedRadiation "29.4" Line:48[5]

E=29.4($\pm .1$)keV

Relative photon intensity:RI=1.5(3)

Multipolarity of transaction:M=M1

Total conversion coeff.:CC=47.2($\pm .9$)

\$LC=36.3 7 //Theoretical L-shell conversion coefficient

\$MC=8.43 15 //Conversion coefficient for M shell; calculated

\$NC+=2.51 5 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells

\$NC=2.10 4 //cc for N shell

\$OC=0.386 7 //cc for O shell

\$PC=0.0260 5 //cc for P shell

#M: $\alpha(L1)exp=38$ {I18}, L1:L2=1.0:0.4, $\alpha(M1)exp=8.7$ {I2} (2005Sa40).

#Record 2/12 UnplacedRadiation "30.3" Line:53[4]

E=30.3($\pm .1$)keV

Relative photon intensity:RI=1.7(4)

Multipolarity of transaction:M=M1+E2

Mixing Ratio:MR \approx 0.20Total conversion coeff.:CC \approx 98.1

\$LC AP 74.5 //Theoretical L-shell conversion coefficient

\$MC AP 18.4 //Conversion coefficient for M shell; calculated

\$NC+ AP 5.31 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells

\$NC AP 4.53 //cc for N shell

\$OC AP 0.764 //cc for O shell

\$PC AP 0.0233 //cc for P shell

#M: $\alpha(L1)exp=35$ {I10}, $\alpha(L3)exp=21$ {I8} (2005Sa40).

#Record 3/12 UnplacedRadiation "43.3" Line:57[2]

Show/Hide

☐ L-Fmt☐ G-Fmt☒ Interpret.☒ #Record☐ Hierarchy☒ G-plot☐ G-plot:ok☐ L-plot/V☐ L-plot/H☐ L_n in/out

184AU cG Only weak, mixed electron lines observed (2005Sa40).

E=43.3(\pm .3)keV

Relative photon intensity:RI=4.3(6)

Only weak, mixed electron lines observed (2005

184AU G 45.8 1 2.0 3M1(+E2) 0.10 AP 14.54 AP

184AUS G LC AP 11.14\$MC AP 2.62\$NC+ AP 0.777

184AUS G NC AP 0.652\$OC AP 0.1176\$PC AP 0.00698

184AU cG M |a(L1)exp=13 {I3}, L1:L3|?1.00:0.12 (2005Sa40).

#Record 4/12 UnplacedRadiation "45.8" Line:59

E=45.8(\pm .1)keV

Relative photon intensity:RI=2.0(3)

Multipolarity of transaction:M=M1(+E2)

Mixing Ratio:MR \approx 0.10

Total conversion coeff.:CC \approx 14.54

\$LC AP 11.14 //Theoretical L-shell conversion coefficient

\$MC AP 2.62 //Conversion coefficient for M shell; calculated

\$NC+ AP 0.777 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells

\$NC AP 0.652 //cc for N shell

\$OC AP 0.1176 //cc for O shell

\$PC AP 0.00698 //cc for P shell

#M: α (L1)exp=13 {I3}, L1:L3 \approx 1.00:0.12 (2005Sa40).

184AU G 110.8 2 5 1(M1) 5.41

184AUS G KC=4.44 7\$LC=0.746 12\$MC=0.173 3\$NC+=0.0516 8

184AUS G NC=0.0431 7\$OC=0.00793 12\$PC=0.000535 8

184AU cG M |a(K)exp=7 {I3} (2005Sa40).

#Record 5/12 UnplacedRadiation "110.8" Line:63[4]

E=110.8(\pm .2)keV

Relative photon intensity:RI=5(1)

Multipolarity of transaction:M=(M1)

Total conversion coeff.:CC=5.41

\$KC=4.44 7 //Theoretical K- conversion coefficient

\$LC=0.746 12 //Theoretical L-shell conversion coefficient

\$MC=0.173 3 //Conversion coefficient for M shell; calculated

\$NC+=0.0516 8 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells

\$NC=0.0431 7 //cc for N shell

\$OC=0.00793 12 //cc for O shell

\$PC=0.000535 8 //cc for P shell

#M: α (K)exp=7 {I3} (2005Sa40).

184AU G 112.6 2 4 1(M1) 5.17

184AUS G KC=4.24 7\$LC=0.712 11\$MC=0.1652 25\$NC+=0.0492 8

184AUS G NC=0.0412 7\$OC=0.00757 12\$PC=0.000511 8

184AU cG M |a(K)exp=3.6 {I10} (2005Sa40).

#Record 6/12 UnplacedRadiation "112.6" Line:67[4]

E=112.6(\pm .2)keV

Relative photon intensity:RI=4(1)

Multipolarity of transaction:M=(M1)

Total conversion coeff.:CC=5.17

\$KC=4.24 7 //Theoretical K- conversion coefficient

\$LC=0.712 11 //Theoretical L-shell conversion coefficient

\$MC=0.1652 25 //Conversion coefficient for M shell; calculated

\$NC+=0.0492 8 //Summed conversion

Show/Hide

☐ L-Fmt

☐ G-Fmt

☒ Interpret.

☒ #Record

☐ Hierarchy

☒ G-plot

☐ G-plot:ok

☐ L-plot/V

☐ L-plot/H

☐ L_n in/out

184AU	G	176.9	3	12	5				B
184AU	G	177.3	2	26	4	E1,E2	0.34	24	
184AUS	G	KC=0.16	8	LC=0.14	13	MC=0.04	4	NC+=0.011	10
184AU	cG	M	a(K)exp<0.3 (2005Sa40).						

184AU	G	178.1	2	6	2	E1,E2	0.33	24	
184AUS	G	KC=0.15	8	LC=0.13	12	MC=0.03	4	NC+=0.011	10
184AU	cG	M	a(K)exp <0.4 (2005Sa40).						

184AU	G	291.5	2	17	3	M1	0.359		
184AUS	G	KC=0.296	5	LC=0.0488	7	MC=0.01131	16	NC+=0.00337	5
184AUS	G	NC=0.00282	4	OC=0.000518	8	PC=3.51E-5	5		
184AU	cG	M	a(K)exp=0.30 {I9}, (a(L1)exp+ a(L2)exp)=0.05 {I2}						
184AUxcG	(2005Sa40).								

coefficients of N-, O-, P-, Q- and R-shells
\$NC=0.0412 7 //cc for N shell
\$OC=0.00757 12 //cc for O shell
\$PC=0.000511 8 //cc for P shell
#M: $\alpha(K)\exp=3.6 \{I10\}$ (2005Sa40).

#Record 7/12 UnplacedRadiation "176.9" Line:7
E=176.9($\pm .3$)keV

Relative photon intensity:RI=12(5)

#Record 8/12 UnplacedRadiation "177.3" Line:7
E=177.3($\pm .2$)keV

Relative photon intensity:RI=26(4)

Multipolarity of transaction:M=E1,E2

Total conversion coeff.:CC=0.34($\pm .24$)

\$KC=0.16 8 //Theoretical K- conversion coefficient

\$LC=0.14 13 //Theoretical L-shell conversion coefficient

\$MC=0.04 4 //Conversion coefficient for M shell; calculated

\$NC+=0.011 10 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells

#M: $\alpha(K)\exp<0.3$ (2005Sa40).

#Record 9/12 UnplacedRadiation "178.1" Line:75[3]
E=178.1($\pm .2$)keV

Relative photon intensity:RI=6(2)

Multipolarity of transaction:M=E1,E2

Total conversion coeff.:CC=0.33($\pm .24$)

\$KC=0.15 8 //Theoretical K- conversion coefficient

\$LC=0.13 12 //Theoretical L-shell conversion coefficient

\$MC=0.03 4 //Conversion coefficient for M shell; calculated

\$NC+=0.011 10 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells

#M: $\alpha(K)\exp\leq 0.4$ (2005Sa40).

#Record 10/12 UnplacedRadiation "291.5" Line:78[5]
E=291.5($\pm .2$)keV

Relative photon intensity:RI=17(3)

Multipolarity of transaction:M=M1

Total conversion coeff.:CC=0.359

\$KC=0.296 5 //Theoretical K- conversion coefficient

\$LC=0.0488 7 //Theoretical L-shell conversion coefficient

\$MC=0.01131 16 //Conversion coefficient for M shell; calculated

\$NC+=0.00337 5 //Summed conversion

- Show/Hide
- ☐ L-Fmt
 - ☐ G-Fmt
 - ☒ Interpret.
 - ☒ #Record
 - ☐ Hierarchy
 - ☒ G-plot
 - ☐ G-plot:ok
 - ☐ L-plot/V
 - ☐ L-plot/H
 - ☐ L_n in/out

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184AU  G 331.5      2 10      2(M1)      0.253
184AUS  G KC=0.209 3$LC=0.0343 5$MC=0.00795 12$NC+=0.00237 4
184AUS  G NC=0.00198 3$OC=0.000364 6$PC=2.47E-5 4
184AU  cG M      |a(K)exp=0.32 {I13} (2005Sa40).

```

coefficients of N-, O-, P-, Q- and R-shells
 \$NC=0.00282 4 //cc for N shell
 \$OC=0.000518 8 //cc for O shell
 \$PC=3.51E-5 5 //cc for P shell
 #M: $\alpha(K)\exp=0.30 \{I9\}$, $(\alpha(L1)\exp+\alpha(L2)\exp)=0.0$
 (2005Sa40).

#Record 11/12 UnplacedRadiation "331.5" Line:
 E=331.5($\pm .2$)keV
 Relative photon intensity:RI=10(2)
 Multipolarity of transaction:M=(M1)
 Total conversion coeff.:CC=0.253
 \$KC=0.209 3 //Theoretical K- conversion
 coefficient
 \$LC=0.0343 5 //Theoretical L-shell conversion
 coefficient
 \$MC=0.00795 12 //Conversion coefficient for M
 shell; calculated
 \$NC+=0.00237 4 //Summed conversion
 coefficients of N-, O-, P-, Q- and R-shells
 \$NC=0.00198 3 //cc for N shell
 \$OC=0.000364 6 //cc for O shell
 \$PC=2.47E-5 4 //cc for P shell
 #M: $\alpha(K)\exp=0.32 \{I13\}$ (2005Sa40).

Show/Hide
☐ L-Fmt
☐ G-Fmt
☒ Interpret.
☒ #Record
☐ Hierarchy
☒ G-plot
☐ G-plot:ok
☐ L-plot/V
☐ L-plot/H
☐ L_n in/out

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184AU  G      392.4 2 110      20      B

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#Record 12/12 UnplacedRadiation "392.4" Line:87
 E=392.4($\pm .2$)keV
 Relative photon intensity:RI=110(20)

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-| Level      L      Record(s): 20
184AU  L 0.0      5+      20.6 S      9
184AU  cL T      from Adopted Levels.

```

#Record 1/20 Level "L0:0.0 5+" Line:88[2]
 Energy=0.0keV Spin and parity:J π =5+
 T_{1/2}=20.6($\pm .9$)sec
 #T: from Adopted Levels.

```

184AU  L 68.46      4 2+      47.6 S      14      M
184AU  cL T      from Adopted Levels.

```

#Record 2/20 Level "L1:68.46(4) 2+" Line:90[2] Child:1
 Energy=68.46($\pm .04$)keV Spin and parity:J π =2+
 T_{1/2}=47.6(± 1.4)sec Meta:MS=M
 #T: from Adopted Levels.

```

184AU  G 68.46      4 0.90      7M3      3.19E3      2.87E+3      23
184AUS  G LC=2.29E3 4$MC=694 10$NC+=208 3
184AUS  G NC=178 3$OC=29.4 5$PC=0.774 11
184AU  cG TI      from |S(I(|g+ce to 68 level)=2870 {I230}.
184AU  cG RI      from I(|g+ce) and |a.
184AU  cG M      L3/(L1+L2)=1.6 {I4}, L2<<L1 (1990Ed01);
184AU2cG (L1+L2):L3:M:N:O=232 {I35}:397 {I60}:197 {I30}:45 {I7}:18 {I6}
184AUxcG (2005Sa40).
184AU  cG      %I|g=0.0303 {I10} assuming recommended decay scheme
184AU2cG normalization.

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#Record 1/1 Gamma "68.46(4) M3 0.90(7)" Line:92[10]
 E=68.46($\pm .04$)keV
 Init.Level:L1:68.46(4) 2+ Final.Level:L0:0.0 5+
 [E1-E0=68.46; E1-E0-E_y =0<1% of L1
 (0.685keV)]
 Relative photon intensity:RI=0.90(7)
 Multipolarity of transaction:M=M3
 Total conversion coeff.:CC=3.19E3
 Relative total transition intensity:TI=2.87E+3(23)
 \$LC=2.29E3 4 //Theoretical L-shell conversion

[illegible]7 of 31

		coefficient \$MC=35.6 13 //Conversion coefficient for calculated \$NC+=10.6 4 //Summed conversion coefficient of N-, O-, P-, Q- and R-shells \$NC=8.9 4 //cc for N shell \$OC=1.63 6 //cc for O shell \$PC=0.110 4 //cc for P shell #M: $\alpha(L1)\exp=130$ {I25}, L1:L2=1.00:0.11 {I1} (2005Sa40).		<div>Show/Hide <input type="checkbox"/> L-Fmt <input type="checkbox"/> G-Fmt <input checked="" type="checkbox"/> Interpret. <input checked="" type="checkbox"/> #Record <input type="checkbox"/> Hierarchy <input checked="" type="checkbox"/> G-plot <input type="checkbox"/> G-plot:ok <input type="checkbox"/> L-plot/V <input type="checkbox"/> L-plot/H <input type="checkbox"/> L_n in/out</div>
184AU	L 129.13 8 (1,2)+	#Record 5/20 Level "L4:129.13(8) (1,2)+" Line:113 Child:4 Energy=129.13(±.08)keV Spin and parity: $J^{\pi}=(1,2)^+$ #Record 1/4 EC Line:113[2] Intensity of β^+ -decay branch: IB=3.8(±2.5) Intensity of electron capture branch:IE=11(±7) The log ft for ($\epsilon + \beta^+$) transition :LOGFT=5.0(±.3) Total ($\epsilon + \beta^+$) decay intensity:TI=15(±10) \$EAV=1271 11 //Average energy of the β^+ spectrum \$CK=0.610 4 //Calculated fraction of decay by electron capture from the K shell \$CL=0.1059 7 //Calculated fraction of decay by electron capture from the L shell \$CM+=0.03387 23		
184AU	E 3.8 25 11 7 5.0 3 15 10			
184AUS	E EAV=1271 11\$CK=0.610 4\$CL=0.1059 7\$CM+=0.03387 23			
184AU	G 42.7 1 1.9 4M1(+E2) 1.4E2 13	#Record 2/4 Gamma "42.7(1) M1(+E2) 1.9(4)" Line:115[4] E=42.7(±.1)keV Init.Level:L4:129.13(8) (1,2)+ Final.Level:L3:86.50(8) (2,3)+ [E4-E3=42.63; E4-E3-E γ =-0.07±0.5 σ] Relative photon intensity:RI=1.9(4) Multipolarity of transaction:M=M1(+E2) Total conversion coeff.:CC=1.4E2(±1.3E2) \$LC=1.1E2 10 //Theoretical L-shell conversion coefficient \$MC=28 25 //Conversion coefficient for M shell; calculated \$NC+=8 7 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells \$NC=7 7 //cc for N shell \$OC=1.1 10 //cc for O shell \$PC=0.005 4 //cc for P shell #M: $\alpha(L1)\exp\leq 22$, $\alpha(L3)\exp<1.8$ (2005Sa40) allows E1		
184AUS	G LC=1.1E2 10\$MC=28 25\$NC+=8 7			
184AUS	G NC=7 7\$OC=1.1 10\$PC=0.005 4			
184AU	cG M a(L1)exp <22, a(L3)exp<1.8 (2005Sa40) allows E1 or M1.			


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184AU  G  57.3      2  4      2E2+M1      1.2      AP      40.9      AP
184AUS  G  LC AP  30.7$MC AP  7.91$NC+ AP  2.26
184AUS  G  NC AP  1.94$OC AP  0.312$PC AP  0.00181
184AU  cG  M      |a(L2)exp|?|a(L3)exp=12 {I6}, L1:L2:L3=1.0:7.2 {I15}:6.9
184AUxcG {I15} (2005Sa40).

```

or M1.

```

#Record 3/4  Gamma "57.3(2) E2+M1 4(2)" Line:
E=57.3(±.2)keV
Init.Level:L4:129.13(8) (1,2)+
Final.Level:L2:71.87(9) 2+,3+ [E4-E2=57.3]
E2-Ey =-0.04±0.2σ]
Relative photon intensity:RI=4(2)
Multipolarity of transaction:M=E2+M1
Mixing Ratio:MR≈1.2
Total conversion coeff.:CC≈40.9
$LC AP 30.7 //Theoretical L-shell conversion
coefficient
$MC AP 7.91 //Conversion coefficient for M shell;
calculated
$NC+ AP 2.26 //Summed conversion coefficients
of N-, O-, P-, Q- and R-shells
$NC AP 1.94 //cc for N shell
$OC AP 0.312 //cc for O shell
$PC AP 0.00181 //cc for P shell
#M: α(L2)exp≈α(L3)exp=12 {I6}, L1:L2:L3=1.0:7.2
{I15}:6.9 {I15} (2005Sa40).

```

Show/Hide

- ☐ L-Fmt
- ☐ G-Fmt
- ☒ Interpret.
- ☒ #Record
- ☐ Hierarchy
- ☒ G-plot
- ☐ G-plot:ok
- ☐ L-plot/V
- ☐ L-plot/H
- ☐ L_n in/out

```

184AU  G  60.6      1  26      4M1      5.60
184AUS  G  LC=4.31 7$MC=1.000 15$NC+=0.298 5
184AUS  G  NC=0.249 4$OC=0.0458 7$PC=0.00309 5
184AU  cG  M      |a(L1)exp=4 {I1}, L1:L2:L3=1.00:0.13 {I3}: <0.04,
184AU2cG |a(M1)exp=0.9 {I1} (2005Sa40).

```

```

#Record 4/4  Gamma "60.6(1) M1 26(4)" Line:124[5]
E=60.6(±.1)keV
Init.Level:L4:129.13(8) (1,2)+
Final.Level:L1:68.46(4) 2+ [E4-E1=60.67; E4-E1-
Ey =0.07±0.5σ]
Relative photon intensity:RI=26(4)
Multipolarity of transaction:M=M1
Total conversion coeff.:CC=5.60
$LC=4.31 7 //Theoretical L-shell conversion
coefficient
$MC=1.000 15 //Conversion coefficient for M
shell; calculated
$NC+=0.298 5 //Summed conversion coefficients
of N-, O-, P-, Q- and R-shells
$NC=0.249 4 //cc for N shell
$OC=0.0458 7 //cc for O shell
$PC=0.00309 5 //cc for P shell
#M: α(L1)exp=4 {I1}, L1:L2:L3=1.00:0.13 {I3}: <0.04,
α(M1)exp=0.9 {I1} (2005Sa40).

```

```

184AU  L  146.50      12  4+
184AU  G  74.5      2  7      4[M1,E2]      11      8      @
184AUS  G  LC=8 6$MC=2.1 15$NC+=0.6 5
184AUS  G  NC=0.5 4$OC=0.08 6$PC=0.0010 8
184AU  cG  RI      from |g|g coin; I|g=40 {I4} for doublet (2005Sa40).

```

```

#Record 6/20  Level "L5:146.50(12) 4+" Line:129 Child:2
Energy=146.50(±.12)keV Spin and parity:Jπ=4+
#Record 1/2  Gamma "74.5(2) [M1,E2] 7(4)" Line:130[6]
E=74.5(±.2)keV
Init.Level:L5:146.50(12) 4+

```

184AU cG M |a(L1)exp=2.4 {I4}, M1:M2:M3=1.00:0.21:0.09 (2005Sa40) for
184AUxcG doublet.

Final.Level:L2:71.87(9) 2+,3+ [E5-E2=74.63; E5-E2-E_γ = 0.13±0.5σ]
Relative photon intensity:RI= 7(4)
Multipolarity of transaction:M=[M1,E2]
Total conversion coeff.:CC= 11(±8)
\$LC=8 6 //Theoretical L-shell conversion coefficient
\$MC=2.1 15 //Conversion coefficient for M calculated
\$NC+=0.6 5 //Summed conversion coefficient of N-, O-, P-, Q- and R-shells
\$NC=0.5 4 //cc for N shell
\$OC=0.08 6 //cc for O shell
\$PC=0.0010 8 //cc for P shell
#RI: from γγ coin; I_γ=40 {I4} for doublet (2005Sa40).

Show/Hide
☐ L-Fmt
☐ G-Fmt
☒ Interpret.
☒ #Record
☐ Hierarchy
☒ G-plot
☐ G-plot:ok
☐ L-plot/V
☐ L-plot/H
☐ L_n in/out

#M: α(L1)exp=2.4 {I4}, M1:M2:M3=1.00:0.21:0.09 (2005Sa40) for doublet.

184AU G 146.5 4 24 8 M1(+E2) 1.8 7

184AUS G KC=1.2 9\$LC=0.46 13\$MC=0.12 4\$NC+=0.034 11

184AUS G NC=0.029 10\$OC=0.0048 13\$PC=0.00014 11

184AU cG M |a(K)exp|<3.5, (|a(L1)exp+|a(L2)exp)=0.26 {I10},

184AUxcG |a(L3)exp|<0.08 (2005Sa40).

184AU cG E|g=146.0 {I3}, I|g=48 {I4}, unplaced |g in 1978Ne10.

#Record 2/2 Gamma "146.5(4) M1(+E2) 24(8)"
Line:136[6]
E= 146.5(±.4)keV
Init.Level:L5:146.50(12) 4+ Final.Level:L0:0.0 5+
[E5-E0= 146.5; E5-E0-E_γ = 0<1% of L1 (0.685keV)]
Relative photon intensity:RI= 24(8)
Multipolarity of transaction:M=M1(+E2)
Total conversion coeff.:CC= 1.8(±.7)
\$KC=1.2 9 //Theoretical K- conversion coefficient
\$LC=0.46 13 //Theoretical L-shell conversion coefficient
\$MC=0.12 4 //Conversion coefficient for M shell; calculated
\$NC+=0.034 11 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells
\$NC=0.029 10 //cc for N shell
\$OC=0.0048 13 //cc for O shell
\$PC=0.00014 11 //cc for P shell
#M: α(K)exp≤3.5, (α(L1)exp+α(L2)exp)=0.26 {I10}, α(L3)exp≤0.08 (2005Sa40).
E_γ=146.0 {I3}, I_γ=48 {I4}, unplaced γ in 1978Ne10.

184AU L 228.40 7 3- 69 NS 6

184AU cL T from 157|g-237|g(t) (1994Ib01). Other T{-1/2}:

184AU2cL 67 ns {I8} (H. Haas (1978), private communication to authors of

184AU3cL 1994Ib01); 36 ns {I6} (1978Ne10).

#Record 7/20 Level "L6:228.40(7) 3-" Line:142[4]
Child:4
Energy=228.40(±.07)keV Spin and parity:J^π=3-
T_{1/2}=69(±6)·10⁻⁹sec

```

184AU  G  81.9      1  60      8E1      0.670
184AUS  G  KC=0.529 8$LC=0.1089 16$MC=0.0254 4$NC+=0.00731 11
184AUS  G  NC=0.00621 9$OC=0.001054 16$PC=4.37E-5 7
184AU  cG  M      (|a(L1)exp+|a(L2)exp)|<0.3 (2005Sa40).

```

```

184AU  G  141.8     1  32      4(E1+M2)  0.39      2.42
184AUS  G  KC=1.725 25$LC=0.526 8$MC=0.1314 19$NC+=0.0394 6
184AUS  G  NC=0.0331 5$OC=0.00595 9$PC=0.000346 5
184AU  cG  M      |a(K)exp=1.8 {I5}, (|a(L1)exp+|a(L2)exp)=0.45 {I9},
184AU2cG |a(L3)exp=0.09 {I4} (2005Sa40). M1+E2 (|d=0.59) also possible, but
184AUxcG |D|p=yes from level scheme.
184AU  cG      E|g=141.6 {I3}, I|g=19 {I3} (1978Ne10).

```

#T: from 157 γ -237 γ (t) (1994Ib01). Other $T_{1/2}$: 67 ns {I8}
(H. Haas (1978), private communication to author (1994Ib01); 36 ns {I6} (1978Ne10).

#Record 1/4 Gamma "81.9(1) E1 60(8)" Line:14
E=81.9(\pm .1)keV
Init.Level:L6:228.40(7) 3-
Final.Level:L5:146.50(12) 4+ [E6-E5=81.9(1)
E5-E γ = 0 \in 0 σ]
Relative photon intensity:RI=60(8)
Multipolarity of transaction:M=E1
Total conversion coeff.:CC=0.670
\$KC=0.529 8 //Theoretical K- conversion
coefficient
\$LC=0.1089 16 //Theoretical L-shell conversion
coefficient
\$MC=0.0254 4 //Conversion coefficient for M
shell; calculated
\$NC+=0.00731 11 //Summed conversion
coefficients of N-, O-, P-, Q- and R-shells
\$NC=0.00621 9 //cc for N shell
\$OC=0.001054 16 //cc for O shell
\$PC=4.37E-5 7 //cc for P shell
#M: (α (L1)exp+ α (L2)exp) \leq 0.3 (2005Sa40).

#Record 2/4 Gamma "141.8(1) (E1+M2) 32(4)"
Line:150[7]
E=141.8(\pm .1)keV
Init.Level:L6:228.40(7) 3- Final.Level:L3:86.50(8)
(2,3)+ [E6-E3=141.9; E6-E3-E γ = 0.1 \in 0.5 σ]
Relative photon intensity:RI=32(4)
Multipolarity of transaction:M=(E1+M2)
Mixing Ratio:MR=0.39
Total conversion coeff.:CC=2.42
\$KC=1.725 25 //Theoretical K- conversion
coefficient
\$LC=0.526 8 //Theoretical L-shell conversion
coefficient
\$MC=0.1314 19 //Conversion coefficient for M
shell; calculated
\$NC+=0.0394 6 //Summed conversion
coefficients of N-, O-, P-, Q- and R-shells
\$NC=0.0331 5 //cc for N shell
\$OC=0.00595 9 //cc for O shell
\$PC=0.000346 5 //cc for P shell
#M: α (K)exp=1.8 {I5}, (α (L1)exp+ α (L2)exp)=0.45 {I9},
 α (L3)exp=0.09 {I4} (2005Sa40). M1+E2 (δ =0.59) also
possible, but $\Delta\pi$ =yes from level scheme.

- Show/Hide
- ☐ L-Fmt
 - ☐ G-Fmt
 - ☒ Interpret.
 - ☒ #Record
 - ☐ Hierarchy
 - ☒ G-plot
 - ☐ G-plot:ok
 - ☐ L-plot/V
 - ☐ L-plot/H
 - ☐ L_n in/out

					E γ =141.6 {I3}, I γ =19 {I3} (1978Ne10).	<div>Show/Hide<ul style="list-style-type: none"><input type="checkbox"/> L-Fmt<input type="checkbox"/> G-Fmt<input checked="" type="checkbox"/> Interpret.<input checked="" type="checkbox"/> #Record<input type="checkbox"/> Hierarchy<input checked="" type="checkbox"/> G-plot<input type="checkbox"/> G-plot:ok<input type="checkbox"/> L-plot/V<input type="checkbox"/> L-plot/H<input type="checkbox"/> L_n in/out</div>
184AU	G	156.5	1	1.02E3 10 E1	0.1335	
184AUS	G	KC=0.1087	16	\$LC=0.0191 3\$MC=0.00442 7\$NC+=0.001288 19		#Record 3/4 Gamma "156.5(1) E1 1.02E3(10)"
184AUS	G	NC=0.001088	16	\$OC=0.000190 3\$PC=9.53E-6 14		Line:157[6]
184AU	cG	M		a(K)exp=0.10 {I2}, (a(L1)exp+ a(L2)exp)=0.012 {I4}		E=156.5(±.1)keV
184AU2cG		(2005Sa40);		a(K)exp ?0.10 (1970FiZZ).		Init.Level:L6:228.40(7) 3- Final.Level:L2:7
184AU	cG			E g=156.2 {I2}, I g=910 {I90} in 1978Ne10.		2+,3+ [E6-E2=156.53; E6-E2-E γ = 0.03e
						Relative photon intensity:RI=1.02E3(10)
						Multipolarity of transaction:M=E1
						Total conversion coeff.:CC=0.1335
						\$KC=0.1087 16 //Theoretical K- conversio
						coefficient
						\$LC=0.0191 3 //Theoretical L-shell conversio
						coefficient
						\$MC=0.00442 7 //Conversion coefficient for M
						shell; calculated
						\$NC+=0.001288 19 //Summed conversion
						coefficients of N-, O-, P-, Q- and R-shells
						\$NC=0.001088 16 //cc for N shell
						\$OC=0.000190 3 //cc for O shell
						\$PC=9.53E-6 14 //cc for P shell
						#M: α (K)exp=0.10 {I2}, (α (L1)exp+ α (L2)exp)=0.012 {I4}
						(2005Sa40); α (K)exp=0.10 (1970FiZZ).
						E γ =156.2 {I2}, I γ =910 {I90} in 1978Ne10.
184AU	G	160.0	1	23 5(E1)	0.1262	#Record 4/4 Gamma "160.0(1) (E1) 23(5)" Line:163[5]
184AUS	G	KC=0.1028	15	\$LC=0.0180 3\$MC=0.00417 6\$NC+=0.001215 18		E=160.0(±.1)keV
184AUS	G	NC=0.001026	15	\$OC=0.000180 3\$PC=9.04E-6 13		Init.Level:L6:228.40(7) 3- Final.Level:L1:68.46(4)
184AU	cG	M		a(K)exp=0.3 {I2} (2005Sa40).		2+ [E6-E1=159.94; E6-E1-E γ = -0.06e0.5 σ]
184AU	cG			E g=159.2 {I4}, I g=10 {I3} (1978Ne10).		Relative photon intensity:RI=23(5)
						Multipolarity of transaction:M=(E1)
						Total conversion coeff.:CC=0.1262
						\$KC=0.1028 15 //Theoretical K- conversion
						coefficient
						\$LC=0.0180 3 //Theoretical L-shell conversion
						coefficient
						\$MC=0.00417 6 //Conversion coefficient for M
						shell; calculated
						\$NC+=0.001215 18 //Summed conversion
						coefficients of N-, O-, P-, Q- and R-shells
						\$NC=0.001026 15 //cc for N shell
						\$OC=0.000180 3 //cc for O shell
						\$PC=9.04E-6 13 //cc for P shell
						#M: α (K)exp=0.3 {I2} (2005Sa40).
						E γ =159.2 {I4}, I γ =10 {I3} (1978Ne10).

184AU L 242.87 10 (LE3)+	#Record 8/20 Level "L7:242.87(10) (LE3)+" Line:168 Child:1 Energy=242.87(±.10)keV Spin and parity:J π =(LE3)+ #Record 1/1 Gamma "113.7(1) M1 16(3)" Line:168 E=113.7(±.1)keV Init.Level:L7:242.87(10) (LE3)+ Final.Level:L4:129.13(8) (1,2)+ [E7-E4=1E7-E4-E γ = 0.04±0.2 σ] Relative photon intensity:RI=16(3) Multipolarity of transaction:M=M1 Total conversion coeff.:CC=5.02 \$KC=4.12 6 //Theoretical K- conversion coefficient \$LC=0.692 10 //Theoretical L-shell conversion coefficient \$MC=0.1607 23 //Conversion coefficient for M shell; calculated \$NC+=0.0479 7 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells \$NC=0.0400 6 //cc for N shell \$OC=0.00736 11 //cc for O shell \$PC=0.000497 7 //cc for P shell #M: α (K)exp=4.6 {I6}, α (L1)exp=1.0 {I4} (2005Sa40).	Show/Hide <input type="checkbox"/> L-Fmt <input type="checkbox"/> G-Fmt <input checked="" type="checkbox"/> Interpret. <input checked="" type="checkbox"/> #Record <input type="checkbox"/> Hierarchy <input checked="" type="checkbox"/> G-plot <input type="checkbox"/> G-plot:ok <input type="checkbox"/> L-plot/V <input type="checkbox"/> L-plot/H <input type="checkbox"/> L $_n$ in/out
184AU G 113.7 1 16 3M1 5.02 184AUS G KC=4.12 6\$LC=0.692 10\$MC=0.1607 23\$NC+=0.0479 7 184AUS G NC=0.0400 6\$OC=0.00736 11\$PC=0.000497 7 184AU cG M a(K)exp=4.6 {I6}, a(L1)exp=1.0 {I4} (2005Sa40).		
184AU L 254.26 7 2- 184AU cL The intensity imbalance of 12% {I7} at this level may arise from an incomplete decay scheme and/or the acute dependence of I(g+ce) from this level on δ (26 γ). % e+ b{++}<0.25 is expected for 184AU4cL the possible 1U branch to this level, based on log {If{+1u}t}>8.5. 184AU DL 1.1 6 11 6 6.7 3 12 7 1U 184AU2DL EAV=1194 11\$CK=0.7343 20\$CL=0.1325 5\$CM+=0.04269 14	#Record 9/20 Level "L8:254.26(7) 2-" Line:173[7] Child:3 Energy=254.26(±.07)keV Spin and parity:J π =2- The intensity imbalance of 12% {I7} at this level may arise from an incomplete decay scheme and/or the acute dependence of I(g+ce) from this level on δ (26 γ). % e+ b{++}<0.25 is expected for the possible 1U branch to this level, based on log {If ^{1u} t}>8.5. 1.1 6 11 6 6.7 3 12 7 1UEAV=1194 11\$CK=0.7343 20\$CL=0.1325 5\$CM+=0.04269 14	
184AU G 25.86 6 19 2M1+E2 0.041 +11-1574 4 184AUS G LC=57 3\$MC=13.4 7\$NC+=3.96 19 184AUS G NC=3.32 16\$OC=0.60 3\$PC=0.0380 6 184AU cG M a(L1)exp=52 {I10}, a(L2)exp=6.3 {I10}, L2:L3=1.00:0.36 184AU2cG {I10}, (M1+M2):M3=1.00:0.04 {I1} (2005Sa40).	#Record 1/3 Gamma "25.86(6) M1+E2 19(2)" Line:180[5] E=25.86(±.06)keV Init.Level:L8:254.26(7) 2- Final.Level:L6:228.40(7) 3- [E8-E6=25.86; E8-E6-E γ = 0±0.1 σ] Relative photon intensity:RI=19(2) Multipolarity of transaction:M=M1+E2 Mixing Ratio:MR=0.041(+.011-.015) Total conversion coeff.:CC=74(±4) \$LC=57 3 //Theoretical L-shell conversion	

```
184AU  G 182.5      2 6      2E1      0.0906
184AUS  G KC=0.0741 11$LC=0.01273 19$MC=0.00295 5$NC+=0.000861 13
184AUS  G NC=0.000726 11$OC=0.0001279 19$PC=6.63E-6 10
184AU  cG M      |a(K)exp<0.15 (2005Sa40).
```

```
184AU  G 185.8      1 12      2(E1)      0.0866
184AUS  G KC=0.0709 10$LC=0.01215 17$MC=0.00282 4$NC+=0.000822 12
184AUS  G NC=0.000693 10$OC=0.0001221 18$PC=6.36E-6 9
184AU  cG M      |a(K)exp<0.17 (2005Sa40).
```

coefficient
\$MC=13.4 7 //Conversion coefficient for M
calculated
\$NC+=3.96 19 //Summed conversion coef
of N-, O-, P-, Q- and R-shells
\$NC=3.32 16 //cc for N shell
\$OC=0.60 3 //cc for O shell
\$PC=0.0380 6 //cc for P shell
#M: $\alpha(L1)\exp=52 \{I10\}$, $\alpha(L2)\exp=6.3 \{I10\}$,
L2:L3=1.00:0.36 $\{I10\}$, (M1+M2):M3=1.00:0.04 {
(2005Sa40).

#Record 2/3 Gamma "182.5(2) E1 6(2)" Line:185[4]
E=182.5($\pm .2$)keV
Init.Level:L8:254.26(7) 2- Final.Level:L2:71.87(9)
2+,3+ [E8-E2=182.39; E8-E2-E γ = -0.11 $\pm 0.5\sigma$]
Relative photon intensity:RI= 6(2)
Multipolarity of transaction:M=E1
Total conversion coeff.:CC=0.0906
\$KC=0.0741 11 //Theoretical K- conversion
coefficient
\$LC=0.01273 19 //Theoretical L-shell conversion
coefficient
\$MC=0.00295 5 //Conversion coefficient for M
shell; calculated
\$NC+=0.000861 13 //Summed conversion
coefficients of N-, O-, P-, Q- and R-shells
\$NC=0.000726 11 //cc for N shell
\$OC=0.0001279 19 //cc for O shell
\$PC=6.63E-6 10 //cc for P shell
#M: $\alpha(K)\exp<0.15$ (2005Sa40).

#Record 3/3 Gamma "185.8(1) (E1) 12(2)" Line:189[4]
E=185.8($\pm .1$)keV
Init.Level:L8:254.26(7) 2- Final.Level:L1:68.46(4)
2+ [E8-E1=185.8; E8-E1-E γ = 0 $\pm 0.1\sigma$]
Relative photon intensity:RI= 12(2)
Multipolarity of transaction:M=(E1)
Total conversion coeff.:CC=0.0866
\$KC=0.0709 10 //Theoretical K- conversion
coefficient
\$LC=0.01215 17 //Theoretical L-shell conversion
coefficient
\$MC=0.00282 4 //Conversion coefficient for M
shell; calculated
\$NC+=0.000822 12 //Summed conversion
coefficients of N-, O-, P-, Q- and R-shells
\$NC=0.000693 10 //cc for N shell
\$OC=0.0001221 18 //cc for O shell

- Show/Hide
- ☐ L-Fmt
 - ☐ G-Fmt
 - ☒ Interpret.
 - ☒ #Record
 - ☐ Hierarchy
 - ☒ G-plot
 - ☐ G-plot:ok
 - ☐ L-plot/V
 - ☐ L-plot/H
 - ☐ L_n in/out

- Show/Hide
- ☐ L-Fmt
- ☐ G-Fmt
- ☒ Interpret.
- ☒ #Record
- ☐ Hierarchy
- ☒ G-plot
- ☐ G-plot:ok
- ☐ L-plot/V
- ☐ L-plot/H
- ☐ L_n in/out

										Energy=306.90(±.12)keV Spin and parity:J ^π =(1)+ #Record 1/3 EC Line:203[2] Intensity of β ⁺ -decay branch: IB=1.5(±.4) Intensity of electron capture branch:IE=5.4(±1.5) The log ft for (ε + β ⁺) transition :LOGFT=5.32(±.12) Total (ε + β ⁺) decay intensity:TI=6.9(±1.5) \$EAV=1191 11 //Average energy of the β ⁺ spectrum \$CK=0.638 4 //Calculated fraction of decay electron capture from the K shell \$CL=0.1109 7 //Calculated fraction of decay by electron capture from the L shell \$CM+=0.03550 22										<div>Show/Hide</div> <div><input type="checkbox"/> L-Fmt <input type="checkbox"/> G-Fmt <input checked="" type="checkbox"/> Interpret. <input checked="" type="checkbox"/> #Record <input type="checkbox"/> Hierarchy <input checked="" type="checkbox"/> G-plot <input type="checkbox"/> G-plot:ok <input type="checkbox"/> L-plot/V <input type="checkbox"/> L-plot/H <input type="checkbox"/> L_n in/out</div>									
184AU E 1.5 4 5.4 15 5.32 12 6.9 19 184AUS E EAV=1191 11\$CK=0.638 4\$CL=0.1109 7\$CM+=0.03550 22																													
184AU G 220.4 1 26 3M1 0.775 184AUS G KC=0.638 9\$LC=0.1059 15\$MC=0.0245 4\$NC+=0.00732 11 184AUS G NC=0.00612 9\$OC=0.001125 16\$PC=7.61E-5 11 184AU cG M a(K)exp=0.54 {I12}, (a(L1)exp+ a(L2)exp)=0.11 {I3} 184AUxcG (2005Sa40).										#Record 2/3 Gamma "220.4(1) M1 26(3)" Line:205[5] E= 220.4(±.1)keV Init.Level:L10:306.90(12) (1)+ Final.Level:L3:86.50(8) (2,3)+ [E10-E3= 220.4; E10-E3-E _γ =0∈0.1σ] Relative photon intensity:RI= 26(3) Multipolarity of transaction:M= M1 Total conversion coeff.:CC=0.775 \$KC=0.638 9 //Theoretical K- conversion coefficient \$LC=0.1059 15 //Theoretical L-shell conversion coefficient \$MC=0.0245 4 //Conversion coefficient for M shell; calculated \$NC+=0.00732 11 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells \$NC=0.00612 9 //cc for N shell \$OC=0.001125 16 //cc for O shell \$PC=7.61E-5 11 //cc for P shell #M: α(K)exp=0.54 {I12}, (α(L1)exp+α(L2)exp)=0.11 {I3} (2005Sa40).																			
184AU G 238.4 2 180 30M1 0.624 184AUS G KC=0.513 8\$LC=0.0851 12\$MC=0.0197 3\$NC+=0.00588 9 184AUS G NC=0.00491 7\$OC=0.000904 13\$PC=6.11E-5 9 184AU cG M a(K)exp=0.46 {I11}, a(L)exp=0.08 {I2}, a(M)exp=0.02 {I1} 184AUxcG (2005Sa40).										#Record 3/3 Gamma "238.4(2) M1 180(30)" Line:210[5] E= 238.4(±.2)keV Init.Level:L10:306.90(12) (1)+ Final.Level:L1:68.46(4) 2+ [E10-E1= 238.44; E10-E1-E _γ =0.04∈0.2σ] Relative photon intensity:RI= 180(30) Multipolarity of transaction:M= M1 Total conversion coeff.:CC=0.624 \$KC=0.513 8 //Theoretical K- conversion coefficient																			

						\$LC=0.0851 12 //Theoretical L-shell conversion coefficient \$MC=0.0197 3 //Conversion coefficient for shell; calculated \$NC+=0.00588 9 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells \$NC=0.00491 7 //cc for N shell \$OC=0.000904 13 //cc for O shell \$PC=6.11E-5 9 //cc for P shell #M: $\alpha(K)\text{exp}=0.46 \{I_{11}\}$, $\alpha(L)\text{exp}=0.08 \{I_2\}$, $\alpha(M)\text{exp}=0.02 \{I_1\}$ (2005Sa40).		<div>Show/Hide</div> <div><input type="checkbox"/> L-Fmt</div> <div><input type="checkbox"/> G-Fmt</div> <div><input checked="" type="checkbox"/> Interpret.</div> <div><input checked="" type="checkbox"/> #Record</div> <div><input type="checkbox"/> Hierarchy</div> <div><input checked="" type="checkbox"/> G-plot</div> <div><input type="checkbox"/> G-plot:ok</div> <div><input type="checkbox"/> L-plot/V</div> <div><input type="checkbox"/> L-plot/H</div> <div><input type="checkbox"/> L_n in/out</div>		
184AU	L	320.50	10 2+	2 NS	LT	#Record 12/20 Level "L11:320.50(10) 2+" Line:215[2]				
184AU	cL	T	from g delayed coin (1978Ne10).			Child:1				
						Energy= 320.50(±.10)keV Spin and parity: $J^\pi=2^+$ $T_{1/2}<2\cdot10^{-9}\text{sec}$				
						#T: from γ delayed coin (1978Ne10).				
184AU	G	92.0	1 53	6E1	0.511	#Record 1/1 Gamma "92.0(1) E1 53(6)" Line:217[5]				
184AUS	G	KC=0.407 6	\$LC=0.0794 12\$MC=0.0185 3\$NC+=0.00533 8			E= 92.0(±.1)keV				
184AUS	G	NC=0.00453 7	\$OC=0.000774 11\$PC=3.33E-5 5			Init.Level:L11:320.50(10) 2+				
184AU	cG	E g=91.5 {I5}, I g=47 {I8} (1978Ne10).				Final.Level:L6:228.40(7) 3- [E11-E6=92.1; E11-E6-E γ = 0.1±0.5 σ]				
184AU	cG	M	a(L1)exp <0.1, a(L3)exp <0.05 (2005Sa40).			Relative photon intensity:RI= 53(6)				
						Multipolarity of transaction:M= E1				
						Total conversion coeff.:CC=0.511				
						\$KC=0.407 6 //Theoretical K- conversion coefficient				
						\$LC=0.0794 12 //Theoretical L-shell conversion coefficient				
						\$MC=0.0185 3 //Conversion coefficient for M shell; calculated				
						\$NC+=0.00533 8 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells				
						\$NC=0.00453 7 //cc for N shell				
						\$OC=0.000774 11 //cc for O shell				
						\$PC=3.33E-5 5 //cc for P shell				
						E γ =91.5 {I5}, I γ =47 {I8} (1978Ne10).				
						#M: $\alpha(L1)\text{exp}\leq0.1$, $\alpha(L3)\text{exp}\leq0.05$ (2005Sa40).				
184AU	L	331.40	8 1+, 2+			#Record 13/20 Level "L12:331.40(8) 1+,2+" Line:222				
						Child:3				
						Energy= 331.40(±.08)keV Spin and parity: $J^\pi=1^+,2^+$				
184AU	G	244.8	2 9	2[M1,E2]	0.39 20	#Record 1/3 Gamma "244.8(2) [M1,E2] 9(2)" Line:223[3]				
184AUS	G	KC=0.29 19	\$LC=0.073 6\$MC=0.0177 7\$NC+=0.0052 3			E= 244.8(±.2)keV				

184AUS G NC=0.00439 19\$OC=0.00077 8\$PC=3.4E-5 23

184AU G 259.5 1 86 10M1 0.494
184AUS G KC=0.406 6\$LC=0.0672 10\$MC=0.01558 22\$NC+=0.00465 7
184AUS G NC=0.00388 6\$OC=0.000714 10\$PC=4.83E-5 7
184AU cG M |a(K)exp=0.39 {I7}, (|a(L1)exp+|a(L2)exp)=0.06 {I7}
184AU2cG (2005Sa40); |a(K)exp|?0.25 (1970FiZZ).
184AU cG E|g=259.0 {I1}, I|g=84 {I10} (1978Ne10).

184AU G 262.9 1 62 8M1 0.476
184AUS G KC=0.392 6\$LC=0.0649 10\$MC=0.01503 22\$NC+=0.00448 7
184AUS G NC=0.00375 6\$OC=0.000689 10\$PC=4.66E-5 7
184AU cG M |a(K)exp=0.38 {I7}, (|a(L1)exp+|a(L2)exp)=0.07 {I2}
184AU2cG (2005Sa40); |a(K)exp|?0.25 (1970FiZZ).
184AU cG E|g=262.3 {I1}, I|g=67 {I8} (1978Ne10).

Init.Level:L12:331.40(8) 1+,2+
Final.Level:L3:86.50(8) (2,3)+ [E12-E3=259.53; E12-E3-E γ = 0.1 \in 0.5 σ]
Relative photon intensity:RI=9(2)
Multipolarity of transaction:M=[M1,E2]
Total conversion coeff.:CC=0.39(\pm .20)
\$KC=0.29 19 //Theoretical K- conversion coefficient
\$LC=0.073 6 //Theoretical L-shell conversion coefficient
\$MC=0.0177 7 //Conversion coefficient for M shell; calculated
\$NC+=0.0052 3 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells
\$NC=0.00439 19 //cc for N shell
\$OC=0.00077 8 //cc for O shell
\$PC=3.4E-5 23 //cc for P shell

#Record 2/3 Gamma "259.5(1) M1 86(10)" Line:226[6]
E=259.5(\pm .1)keV

Init.Level:L12:331.40(8) 1+,2+
Final.Level:L2:71.87(9) 2+,3+ [E12-E2=259.53; E12-E2-E γ = 0.03 \in 0.2 σ]
Relative photon intensity:RI=86(10)
Multipolarity of transaction:M=M1
Total conversion coeff.:CC=0.494
\$KC=0.406 6 //Theoretical K- conversion coefficient
\$LC=0.0672 10 //Theoretical L-shell conversion coefficient
\$MC=0.01558 22 //Conversion coefficient for M shell; calculated
\$NC+=0.00465 7 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells
\$NC=0.00388 6 //cc for N shell
\$OC=0.000714 10 //cc for O shell
\$PC=4.83E-5 7 //cc for P shell

#M: α (K)exp=0.39 {I7}, (α (L1)exp+ α (L2)exp)=0.06 {I7} (2005Sa40); α (K)exp=0.25 (1970FiZZ).

E γ =259.0 {I1}, I γ =84 {I10} (1978Ne10).

#Record 3/3 Gamma "262.9(1) M1 62(8)" Line:232[6]
E=262.9(\pm .1)keV

Init.Level:L12:331.40(8) 1+,2+
Final.Level:L1:68.46(4) 2+ [E12-E1=262.94; E12-E1-E γ = 0.04 \in 0.5 σ]
Relative photon intensity:RI=62(8)
Multipolarity of transaction:M=M1
Total conversion coeff.:CC=0.476

- Show/Hide
- ☐ L-Fmt
 - ☐ G-Fmt
 - ☒ Interpret.
 - ☒ #Record
 - ☐ Hierarchy
 - ☒ G-plot
 - ☐ G-plot:ok
 - ☐ L-plot/V
 - ☐ L-plot/H
 - ☐ L $_n$ in/out

											<div><div>\$KC=0.392 6 //Theoretical K- conversion coefficient \$LC=0.0649 10 //Theoretical L-shell conversion coefficient \$MC=0.01503 22 //Conversion coefficient shell; calculated \$NC+=0.00448 7 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells \$NC=0.00375 6 //cc for N shell \$OC=0.000689 10 //cc for O shell \$PC=4.66E-5 7 //cc for P shell #M: $\alpha(K)_{\text{exp}}=0.38$ {I7}, ($\alpha(L1)_{\text{exp}}+\alpha(L2)_{\text{exp}}=0.04$) {I2} (2005Sa40); $\alpha(K)_{\text{exp}}=0.25$ (1970FiZZ). Eγ=262.3 {I1}, Iγ=67 {I8} (1978Ne10).</div></div>		<div>Show/Hide<ul style="list-style-type: none"><input type="checkbox"/> L-Fmt<input type="checkbox"/> G-Fmt<input checked="" type="checkbox"/> Interpret.<input checked="" type="checkbox"/> #Record<input type="checkbox"/> Hierarchy<input checked="" type="checkbox"/> G-plot<input type="checkbox"/> G-plot:ok<input type="checkbox"/> L-plot/V<input type="checkbox"/> L-plot/H<input type="checkbox"/> L_n in/out</div>																											
184AU	L	364.19	9	1+							#Record 14/20 Level "L13:364.19(9) 1+" Line:238																													
											Child:3																													
											Energy= 364.19(±.09)keV Spin and parity:J π = 1+																													
184AU	E		0.74	21	2.9	8	5.58	12	3.6	10	#Record 1/3 EC Line:239[2]																													
184AUS	E	EAV=1166 11	\$CK=0.647 4	\$CL=0.1125 7	\$CM+=0.03601 22						Intensity of β^+ -decay branch: IB=0.74(±.21)																													
											Intensity of electron capture branch:IE=2.9(±.8)																													
											The log ft for ($\epsilon + \beta^+$) transition																													
											:LOGFT=5.58(±.12)																													
											Total ($\epsilon + \beta^+$) decay intensity:TI=3.6(±1.0)																													
											\$EAV=1166 11 //Average energy of the β^+ -spectrum																													
											\$CK=0.647 4 //Calculated fraction of decay by electron capture from the K shell																													
											\$CL=0.1125 7 //Calculated fraction of decay by electron capture from the L shell																													
											\$CM+=0.03601 22																													
184AU	G	277.7	2	15	3M1						#Record 2/3 Gamma "277.7(2) M1 15(3)" Line:241[5]																													
184AUS	G	KC=0.337 5	\$LC=0.0558 8	\$MC=0.01292 19	\$NC+=0.00385 6						E= 277.7(±.2)keV																													
184AUS	G	NC=0.00322 5	\$OC=0.000592 9	\$PC=4.01E-5 6							Init.Level:L13:364.19(9) 1+																													
184AU	cG	M	a(K)exp=0.37 {I9}, (a(L1)exp+ a(L2)exp)=0.04 {I2}								Final.Level:L3:86.50(8) (2,3)+ [E13-E3=277.69; E13-E3-E γ =-0.01±0.1σ]																													
184AUxcG	(2005Sa40).										Relative photon intensity:RI= 15(3)																													
											Multipolarity of transaction:M= M1																													
											Total conversion coeff.:CC=0.410																													
											\$KC=0.337 5 //Theoretical K- conversion coefficient																													
											\$LC=0.0558 8 //Theoretical L-shell conversion coefficient																													
											\$MC=0.01292 19 //Conversion coefficient for M shell; calculated																													
											\$NC+=0.00385 6 //Summed conversion																													

```

184AU  G 295.7      1 100      15M1                      0.345
184AUS  G KC=0.284 4$LC=0.0469 7$MC=0.01087 16$NC+=0.00324 5
184AUS  G NC=0.00271 4$OC=0.000498 7$PC=3.38E-5 5
184AU  cG M          |a(K)exp=0.28 {I8}, (|a(L1)exp+|a(L2)exp)=0.08 {I3}
184AUxcG (2005Sa40).
184AU  cG          E|g=295.1 {I1}, I|g=160 {I20} (1978Ne10), |a(K)exp=0.04 {I2}
184AU2cG (1970FiZZ) for line which may be a 294.8|g+295.7|g doublet.

```

```

coefficients of N-, O-, P-, Q- and R-shells
$NC=0.00322 5 //cc for N shell
$OC=0.000592 9 //cc for O shell
$PC=4.01E-5 6 //cc for P shell
#M: α(K)exp=0.37 {I9}, (α(L1)exp+α(L2)exp)=0.
(2005Sa40).

```

```

#Record 3/3 Gamma "295.7(1) M1 100(15)" Lin
E=295.7(±.1)keV
Init.Level:L13:364.19(9) 1+
Final.Level:L1:68.46(4) 2+ [E13-E1=295.
E1-Eγ =0.03±0.2σ]

```

```

Relative photon intensity:RI= 100(15)
Multipolarity of transaction:M=M1
Total conversion coeff.:CC=0.345
$KC=0.284 4 //Theoretical K- conversion
coefficient
$LC=0.0469 7 //Theoretical L-shell conversion
coefficient
$MC=0.01087 16 //Conversion coefficient for M
shell; calculated
$NC+=0.00324 5 //Summed conversion
coefficients of N-, O-, P-, Q- and R-shells
$NC=0.00271 4 //cc for N shell
$OC=0.000498 7 //cc for O shell
$PC=3.38E-5 5 //cc for P shell
#M: α(K)exp=0.28 {I8}, (α(L1)exp+α(L2)exp)=0.08 {I3}
(2005Sa40).

```

```

Eγ=295.1 {I1}, Iγ=160 {I20} (1978Ne10), α(K)exp=0.04
{I2}(1970FiZZ) for line which may be a 294.8γ+295.7γ
doublet.

```

```

184AU  L 381.50      9 1+, 2+

```

```

184AU  G 50.1      1 7      1M1                      9.80
184AUS  G LC=7.53 12$MC=1.75 3$NC+=0.521 8
184AUS  G NC=0.435 7$OC=0.0800 13$PC=0.00540 9
184AU  cG M          |a(L1)exp=8.5 {I15}, |a(L1)exp:|a(L2)exp=1.00:0.13 {I2}
184AUxcG (2005Sa40).

```

```

#Record 15/20 Level "L14:381.50(9) 1+,2+" Line:253
Child:6
Energy=381.50(±.09)keV Spin and
parity:Jπ=1+,2+

```

```

#Record 1/6 Gamma "50.1(1) M1 7(1)" Line:254[5]
E=50.1(±.1)keV
Init.Level:L14:381.50(9) 1+,2+
Final.Level:L12:331.40(8) 1+,2+ [E14-E12=50.1;
E14-E12-Eγ =0±0σ]
Relative photon intensity:RI= 7(1)
Multipolarity of transaction:M=M1
Total conversion coeff.:CC=9.80
$LC=7.53 12 //Theoretical L-shell conversion
coefficient
$MC=1.75 3 //Conversion coefficient for M shell;

```

- Show/Hide
- ☐ L-Fmt
 - ☐ G-Fmt
 - ☒ Interpret.
 - ☒ #Record
 - ☐ Hierarchy
 - ☒ G-plot
 - ☐ G-plot:ok
 - ☐ L-plot/V
 - ☐ L-plot/H
 - ☐ L_n in/out


```

184AU  G 74.5      2 33      4M1      3.07      @
184AUS  G LC=2.36 4$MC=0.547 9$NC+=0.163 3
184AUS  G NC=0.1362 22$OC=0.0250 4$PC=0.00169 3
184AU  cG RI      from |g|g coin; I|g=40 {I4} for doublet (2005Sa40).
184AU  cG M      |a(L1)exp=2.4 {I4}, M1:M2:M3=1.00:0.21:0.09 (2005Sa40) for
184AU2cG doublet dominated by this transition.

```

```

184AU  G 127.3     2 27      4E1      0.225
184AUS  G KC=0.182 3$LC=0.0330 5$MC=0.00768 12$NC+=0.00223 4
184AUS  G NC=0.00188 3$OC=0.000327 5$PC=1.552E-5 23
184AU  cG M      |a(K)exp|<0.4, |a(L3)exp|<0.1 (2005Sa40).

```

```

calculated
$NC+=0.521 8 //Summed conversion coef
of N-, O-, P-, Q- and R-shells
$NC=0.435 7 //cc for N shell
$OC=0.0800 13 //cc for O shell
$PC=0.00540 9 //cc for P shell
#M:  $\alpha(L1)exp=8.5 \{I15\}$ ,  $\alpha(L1)exp:\alpha(L2)exp=1.0$ 
{I2} (2005Sa40).

```

```

#Record 2/6 Gamma "74.5(2) M1 33(4)" Line:2
E= 74.5(±.2)keV
Init.Level:L14:381.50(9) 1+,2+
Final.Level:L10:306.90(12) (1)+ [E14-E10=74.0,
E14-E10-E $\gamma$  =0.1 $\in$ 0.5 $\sigma$ ]

```

```

Relative photon intensity:RI= 33(4)
Multipolarity of transaction:M=M1
Total conversion coeff.:CC=3.07
$LC=2.36 4 //Theoretical L-shell conversion
coefficient
$MC=0.547 9 //Conversion coefficient for M shell;
calculated
$NC+=0.163 3 //Summed conversion coefficients
of N-, O-, P-, Q- and R-shells
$NC=0.1362 22 //cc for N shell
$OC=0.0250 4 //cc for O shell
$PC=0.00169 3 //cc for P shell
#RI: from  $\gamma\gamma$  coin; I $\gamma$ =40 {I4} for doublet (2005Sa40).

```

```

#M:  $\alpha(L1)exp=2.4 \{I4\}$ , M1:M2:M3=1.00:0.21:0.09
(2005Sa40) for doublet dominated by this transition.

```

```

#Record 3/6 Gamma "127.3(2) E1 27(4)" Line:265[4]
E= 127.3(±.2)keV
Init.Level:L14:381.50(9) 1+,2+
Final.Level:L8:254.26(7) 2- [E14-E8= 127.24;
E14-E8-E $\gamma$  =-0.06 $\in$ 0.5 $\sigma$ ]
Relative photon intensity:RI= 27(4)
Multipolarity of transaction:M=E1
Total conversion coeff.:CC=0.225
$KC=0.182 3 //Theoretical K- conversion
coefficient
$LC=0.0330 5 //Theoretical L-shell conversion
coefficient
$MC=0.00768 12 //Conversion coefficient for M
shell; calculated
$NC+=0.00223 4 //Summed conversion
coefficients of N-, O-, P-, Q- and R-shells
$NC=0.00188 3 //cc for N shell
$OC=0.000327 5 //cc for O shell

```

- Show/Hide
- ☐ L-Fmt
 - ☐ G-Fmt
 - ☒ Interpret.
 - ☒ #Record
 - ☐ Hierarchy
 - ☒ G-plot
 - ☐ G-plot:ok
 - ☐ L-plot/V
 - ☐ L-plot/H
 - ☐ L_n in/out

```

184AU  G 138.5      2 6      2M1      2.86
184AUS  G KC=2.35 4$LC=0.393 6$MC=0.0912 14$NC+=0.0272 4
184AUS  G NC=0.0227 4$OC=0.00418 7$PC=0.000282 5
184AU  cG M      |a(K)exp=2.9 {I8} (2005Sa40).

```

\$PC=1.552E-5 23 //cc for P shell

#M: $\alpha(K)\text{exp}\leq 0.4$, $\alpha(L3)\text{exp}\leq 0.1$ (2005Sa40).

#Record 4/6 Gamma "138.5(2) M1 6(2)" Line:2

E=138.5($\pm .2$)keV

Init.Level:L14:381.50(9) 1+,2+

Final.Level:L7:242.87(10) (LE3)+ [E14-

E7=138.63; E14-E7-E γ = 0.13 \in 0.5 σ]

Relative photon intensity:RI=6(2)

Multipolarity of transaction:M=M1

Total conversion coeff.:CC=2.86

\$KC=2.35 4 //Theoretical K- conversion
coefficient

\$LC=0.393 6 //Theoretical L-shell conversion
coefficient

\$MC=0.0912 14 //Conversion coefficient for M
shell; calculated

\$NC+=0.0272 4 //Summed conversion
coefficients of N-, O-, P-, Q- and R-shells

\$NC=0.0227 4 //cc for N shell

\$OC=0.00418 7 //cc for O shell

\$PC=0.000282 5 //cc for P shell

#M: $\alpha(K)\text{exp}=2.9$ {I8} (2005Sa40).

```

184AU  G 294.8      3 20      6(M1)      0.348
184AUS  G KC=0.287 4$LC=0.0473 7$MC=0.01096 16$NC+=0.00327 5
184AUS  G NC=0.00273 4$OC=0.000502 8$PC=3.40E-5 5
184AU  cG M      |a(K)exp=0.30 {I15} (2005Sa40).
184AU  cG      See comment on 295.7|g.

```

#Record 5/6 Gamma "294.8(3) (M1) 20(6)" Line:273[5]

E=294.8($\pm .3$)keV

Init.Level:L14:381.50(9) 1+,2+

Final.Level:L3:86.50(8) (2,3)+ [E14-E3=295.0;

E14-E3-E γ = 0.2 \in 1 σ]

Relative photon intensity:RI=20(6)

Multipolarity of transaction:M=(M1)

Total conversion coeff.:CC=0.348

\$KC=0.287 4 //Theoretical K- conversion
coefficient

\$LC=0.0473 7 //Theoretical L-shell conversion
coefficient

\$MC=0.01096 16 //Conversion coefficient for M
shell; calculated

\$NC+=0.00327 5 //Summed conversion
coefficients of N-, O-, P-, Q- and R-shells

\$NC=0.00273 4 //cc for N shell

\$OC=0.000502 8 //cc for O shell

\$PC=3.40E-5 5 //cc for P shell

#M: $\alpha(K)\text{exp}=0.30$ {I15} (2005Sa40).

See comment on 295.7 γ .

```

184AU  G 313.1      2 33      5M1      0.296
184AUS  G KC=0.243 4$LC=0.0401 6$MC=0.00929 14$NC+=0.00277 4

```

#Record 6/6 Gamma "313.1(2) M1 33(5)" Line:278[5]

E=313.1($\pm .2$)keV

- Show/Hide
- ☐ L-Fmt
 - ☐ G-Fmt
 - ☒ Interpret.
 - ☒ #Record
 - ☐ Hierarchy
 - ☒ G-plot
 - ☐ G-plot:ok
 - ☐ L-plot/V
 - ☐ L-plot/H
 - ☐ L $_n$ in/out

184AUS G NC=0.00231 4\$OC=0.000426 6\$PC=2.89E-5 4

184AU cG M |a(K)exp=0.22 {I6}, (|a(L1)exp+|a(L2)exp)=0.05 {I2}

184AUxcG (2005Sa40).

Init.Level:L14:381.50(9) 1+,2+

Final.Level:L1:68.46(4) 2+ [E14-E1=313. E1-E_γ =-0.06±0.5σ]

Relative photon intensity:RI=33(5)

Multipolarity of transaction:M=M1

Total conversion coeff.:CC=0.296

\$KC=0.243 4 //Theoretical K- conversion coefficient

\$LC=0.0401 6 //Theoretical L-shell conversion coefficient

\$MC=0.00929 14 //Conversion coefficient shell; calculated

\$NC+=0.00277 4 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells

\$NC=0.00231 4 //cc for N shell

\$OC=0.000426 6 //cc for O shell

\$PC=2.89E-5 4 //cc for P shell

#M: α(K)exp=0.22 {I6}, (α(L1)exp+α(L2)exp)=0.05 {I2} (2005Sa40).

Show/Hide

☐ L-Fmt

☐ G-Fmt

☒ Interpret.

☒ #Record

☐ Hierarchy

☒ G-plot

☐ G-plot:ok

☐ L-plot/V

☐ L-plot/H

☐ L_n in/out

184AU L 409.70 22

184AU E 0.051 22 0.21 9 6.71 19 0.26 11

184AUS E EAV=1145 11\$CK=0.654 4\$CL=0.1138 7\$CM+=0.03642 22

#Record 16/20 Level "L15:409.70(22)" Line:283 Child:2

Energy=409.70(±.22)keV

#Record 1/2 EC Line:284[2]

Intensity of β⁺-decay branch: IB=0.051(±.022)

Intensity of electron capture

branch:IE=0.21(±.09)

The log ft for (ε + β⁺) transition

:LOGFT=6.71(±.19)

Total (ε + β⁺) decay intensity:TI=0.26(±.11)

\$EAV=1145 11 //Average energy of the β⁺ spectrum

\$CK=0.654 4 //Calculated fraction of decay by electron capture from the K shell

\$CL=0.1138 7 //Calculated fraction of decay by electron capture from the L shell

\$CM+=0.03642 22

184AU G 181.3 2 6 2 E1,E2 0.31 22

184AUS G KC=0.15 8\$LC=0.12 12\$MC=0.03 3\$NC+=0.010 9

184AU cG M |a(K)exp<0.3 (2005Sa40) implies mult=E1,E2.

#Record 2/2 Gamma "181.3(2) E1,E2 6(2)" Line:286[3]

E=181.3(±.2)keV

Init.Level:L15:409.70(22)

Final.Level:L6:228.40(7) 3- [E15-E6=181.3; E15-E6-E_γ =0±0.1σ]

Relative photon intensity:RI=6(2)

Multipolarity of transaction:M=E1,E2

Total conversion coeff.:CC=0.31(±.22)

\$KC=0.15 8 //Theoretical K- conversion coefficient

\$LC=0.12 12 //Theoretical L-shell conversion

Show/Hide

- ☐ L-Fmt
- ☐ G-Fmt
- ☒ Interpret.
- ☒ #Record
- ☐ Hierarchy
- ☒ G-plot
- ☐ G-plot:ok
- ☐ L-plot/V
- ☐ L-plot/H
- ☐ L_n in/out

184AUS G NC=0.001732 25\$OC=0.000319 5\$PC=2.16E-5 3
 184AU cG M |a(K)exp=0.17 {I5}, K/L|?5.6 (2005Sa40).

Init.Level:L16:477.34(19) (LE3)+
 Final.Level:L4:129.13(8) (1,2)+ [E16-E4=
 E16-E4-E γ =0.01 ϵ 0.1 σ]
 Relative photon intensity:RI= 18(3)
 Multipolarity of transaction:M=M1
 Total conversion coeff.:CC=0.222
 \$KC=0.183 3 //Theoretical K- conversion
 coefficient
 \$LC=0.0300 5 //Theoretical L-shell conver
 coefficient
 \$MC=0.00695 10 //Conversion coefficient
 shell; calculated
 \$NC+=0.00207 3 //Summed conversion
 coefficients of N-, O-, P-, Q- and R-shells
 \$NC=0.001732 25 //cc for N shell
 \$OC=0.000319 5 //cc for O shell
 \$PC=2.16E-5 3 //cc for P shell
 #M: α (K)exp=0.17 {I5}, K/L \approx 5.6 (2005Sa40).

Show/Hide
☐ L-Fmt
☐ G-Fmt
☒ Interpret.
☒ #Record
☐ Hierarchy
☒ G-plot
☐ G-plot:ok
☐ L-plot/V
☐ L-plot/H
☐ L $_n$ in/out

184AU L 486.10 22 LE3+

#Record 18/20 Level "L17:486.10(22) LE3+" Line:300
 Child:3

Energy=486.10(\pm .22)keV Spin and
 parity:J π =LE3+

184AU E 0.20 9 0.9 4 6.06 20 1.1 5
 184AUS E EAV=1111 11\$CK=0.665 4\$CL=0.1158 7\$CM+=0.03709 21

#Record 1/3 EC Line:301[2]

Intensity of β^+ -decay branch: IB=0.20(\pm .09)
 Intensity of electron capture branch:IE=0.9(\pm .4)
 The log ft for (ϵ + β^+) transition
 :LOGFT=6.06(\pm .20)

Total (ϵ + β^+) decay intensity:TI=1.1(\pm .5)
 \$EAV=1111 11 //Average energy of the β^+ -
 spectrum

\$CK=0.665 4 //Calculated fraction of decay by
 electron capture from the K shell
 \$CL=0.1158 7 //Calculated fraction of decay by
 electron capture from the L shell
 \$CM+=0.03709 21

184AU G 104.6 2 2.8 6M1 6.38
 184AUS G KC=5.23 8\$LC=0.880 14\$MC=0.204 3\$NC+=0.0609 10
 184AUS G NC=0.0509 8\$OC=0.00936 14\$PC=0.000632 10
 184AU cG M |a(K)exp=6.8 {I20}, |a(L1)exp=1.3 {I6} (2005Sa40).

#Record 2/3 Gamma "104.6(2) M1 2.8(6)" Line:303[4]

E=104.6(\pm .2)keV

Init.Level:L17:486.10(22) LE3+
 Final.Level:L14:381.50(9) 1+,2+ [E17-
 E14=104.6; E17-E14-E γ =0 ϵ 0 σ]
 Relative photon intensity:RI= 2.8(6)
 Multipolarity of transaction:M=M1
 Total conversion coeff.:CC=6.38
 \$KC=5.23 8 //Theoretical K- conversion
 coefficient
 \$LC=0.880 14 //Theoretical L-shell conversion

										<div>Show/Hide <input type="checkbox"/> L-Fmt <input type="checkbox"/> G-Fmt <input checked="" type="checkbox"/> Interpret. <input checked="" type="checkbox"/> #Record <input type="checkbox"/> Hierarchy <input checked="" type="checkbox"/> G-plot <input type="checkbox"/> G-plot:ok <input type="checkbox"/> L-plot/V <input type="checkbox"/> L-plot/H <input type="checkbox"/> L_n in/out</div>		
184AU	G	184.1	2	3	1M2	6.76	?					
184AUS	G	KC=4.94	8	\$LC=1.373	20\$MC=0.340	5\$NC+=0.1019	15					
184AUS	G	NC=0.0855	13	\$OC=0.01546	23\$PC=0.000925	14						
184AU	cG	M	a(K)exp=6 {I2}, (a(L1)exp+ a(L2)exp)=1.7 {I8} (2005Sa40).									
											<div>coefficient \$MC=0.204 3 //Conversion coefficient for calculated \$NC+=0.0609 10 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells \$NC=0.0509 8 //cc for N shell \$OC=0.00936 14 //cc for O shell \$PC=0.000632 10 //cc for P shell #M: $\alpha(K)\text{exp}=6.8 \{I20\}$, $\alpha(L1)\text{exp}=1.3 \{I6\}$ (2005Sa40). #Record 3/3 Gamma "184.1(2) M2 3(1)" Line:311[2] E=184.1($\pm .2$)keV Init.Level:L17:486.10(22) LE3+ Final.Level:L9:301.86(16) (1-,2-,3-) [E17-E9=184.24; E17-E9-Eγ = 0.14\pm0.5σ] Relative photon intensity:RI= 3(1) Multipolarity of transaction:M=M2 Total conversion coeff.:CC=6.76 \$KC=4.94 8 //Theoretical K- conversion coefficient \$LC=1.373 20 //Theoretical L-shell conversion coefficient \$MC=0.340 5 //Conversion coefficient for M shell; calculated \$NC+=0.1019 15 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells \$NC=0.0855 13 //cc for N shell \$OC=0.01546 23 //cc for O shell \$PC=0.000925 14 //cc for P shell #M: $\alpha(K)\text{exp}=6 \{I2\}$, ($\alpha(L1)\text{exp}+\alpha(L2)\text{exp}$)=1.7 {I8} (2005Sa40).</div>	
184AU	L	490.91	7	1+	2	NS	LT					
184AU	cL	T	from g delayed coin (1978Ne10).									
											<div>#Record 19/20 Level "L18:490.91(7) 1+" Line:311[2] Child:11 Energy=490.91($\pm .07$)keV Spin and parity:Jπ=1+ T$_{1/2}$<2$\cdot 10^{-9}$sec #T: from γ delayed coin (1978Ne10).</div>	
184AU	E		11	1	47	6	4.33	6	58	7		
184AUS	E	EAV=1109	11	\$CK=0.666	4\$CL=0.1160	7\$CM+=0.03713	21					
											<div>#Record 1/11 EC Line:313[2] Intensity of β^+-decay branch: IB=11(± 1) Intensity of electron capture branch:IE=47(± 6) The log ft for ($\epsilon + \beta^+$) transition :LOGFT=4.33($\pm .06$) Total ($\epsilon + \beta^+$) decay intensity:TI=58(± 7) \$EAV=1109 11 //Average energy of the β^+ spectrum \$CK=0.666 4 //Calculated fraction of decay by</div>	


```

184AU  G  109.4      1 15      3 M1(+E0)      18      AP
184AU  cG  M          |a(K)exp=14 {I4}, |a(L1)exp=2.3 {I5} (2005Sa40).
184AU2cG |a(K)=4.78 {I15}; |a(L)=0.802 {I24}; |a(M)=0.186 {I6}; |a(N+...)=0.0593
184AUxcG {I18} if pure M1.
184AU  cG  CC          approximate value; from |a(K)exp x 1.3.

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```

184AU  G  126.7      1 13      3M1(+E2)      2.8      9
184AUS  G  KC=1.8 13$LC=0.8 4$MC=0.21 9$NC+=0.060 25
184AUS  G  NC=0.051 22$OC=0.009 4$PC=0.00021 16
184AU  cG  M          |a(K)exp=2.0 {I6}, (|a(L1)exp+|a(L2)exp)=0.62 {I15},
184AUxcG |a(L3)exp|<0.15 (2005Sa40).
184AU  cG          E|g=126.5 {I3}, I|g=14 {I4} (1978Ne10).

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```

184AU  G  159.4      1 60      8M1          1.92
184AUS  G  KC=1.579 23$LC=0.264 4$MC=0.0611 9$NC+=0.0182 3
184AUS  G  NC=0.01524 22$OC=0.00280 4$PC=0.000189 3
184AU  cG  M          |a(K)exp=1.4 {I4}, (|a(L1)exp+|a(L2)exp)=0.27 {I6}
184AUxcG (2005Sa40).

```

electron capture from the K shell
 $\$CL=0.1160$ 7 //Calculated fraction of dec
 electron capture from the L shell
 $\$CM+=0.03713$ 21

#Record 2/11 Gamma "109.4(1) M1(+E0) 15(3)"
 Line:315[5]

$E=109.4(\pm .1)\text{keV}$

Init.Level:L18:490.91(7) 1+

Final.Level:L14:381.50(9) 1+,2+ [E18-
 $E14=109.41$; $E18-E14-E\gamma=0.01\in 0.1\sigma$]

Relative photon intensity:RI= 15(3)

Multipolarity of transaction:M=M1(+E0)

Total conversion coeff.:CC \approx 18

#M: $\alpha(K)\text{exp}=14$ {I4}, $\alpha(L1)\text{exp}=2.3$ {I5} (2005Sa40).

$\alpha(K)=4.78$ {I15}; $\alpha(L)=0.802$ {I24}; $\alpha(M)=0.186$ {I6};

$\alpha(N+...)=0.0593$ {I18} if pure M1.

#CC: approximate value; from $\alpha(K)\text{exp} \times 1.3$.

#Record 3/11 Gamma "126.7(1) M1(+E2) 13(3)"
 Line:320[6]

$E=126.7(\pm .1)\text{keV}$

Init.Level:L18:490.91(7) 1+

Final.Level:L13:364.19(9) 1+ [E18-E13=126.72;
 $E18-E13-E\gamma=0.02\in 0.1\sigma$]

Relative photon intensity:RI= 13(3)

Multipolarity of transaction:M=M1(+E2)

Total conversion coeff.:CC=2.8($\pm .9$)

$\$KC=1.8$ 13 //Theoretical K- conversion
 coefficient

$\$LC=0.8$ 4 //Theoretical L-shell conversion
 coefficient

$\$MC=0.21$ 9 //Conversion coefficient for M shell;
 calculated

$\$NC+=0.060$ 25 //Summed conversion
 coefficients of N-, O-, P-, Q- and R-shells

$\$NC=0.051$ 22 //cc for N shell

$\$OC=0.009$ 4 //cc for O shell

$\$PC=0.00021$ 16 //cc for P shell

#M: $\alpha(K)\text{exp}=2.0$ {I6}, ($\alpha(L1)\text{exp}+\alpha(L2)\text{exp}$)=0.62 {I15},

$\alpha(L3)\text{exp}\leq 0.15$ (2005Sa40).

$E\gamma=126.5$ {I3}, $I\gamma=14$ {I4} (1978Ne10).

#Record 4/11 Gamma "159.4(1) M1 60(8)" Line:326[6]

$E=159.4(\pm .1)\text{keV}$

Init.Level:L18:490.91(7) 1+

Final.Level:L12:331.40(8) 1+,2+ [E18-
 $E12=159.51$; $E18-E12-E\gamma=0.11\in 1\sigma$]

Show/Hide

☐ L-Fmt

☐ G-Fmt

☒ Interpret.

☒ #Record

☐ Hierarchy

☒ G-plot

☐ G-plot:ok

☐ L-plot/V

☐ L-plot/H

☐ L_n in/out

184AU cG	E g=159.1 {I4}, I g=60 {I10} (1978Ne10).	<p>Relative photon intensity:RI= 60(8)</p> <p>Multipolarity of transaction:M= M1</p> <p>Total conversion coeff.:CC= 1.92</p> <p>\$KC=1.579 23 //Theoretical K- conversion coefficient</p> <p>\$LC=0.264 4 //Theoretical L-shell conversion coefficient</p> <p>\$MC=0.0611 9 //Conversion coefficient for M shell; calculated</p> <p>\$NC+=0.0182 3 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells</p> <p>\$NC=0.01524 22 //cc for N shell</p> <p>\$OC=0.00280 4 //cc for O shell</p> <p>\$PC=0.000189 3 //cc for P shell</p> <p>#M: $\alpha(K)\exp=1.4 \{I4\}$, $(\alpha(L1)\exp+\alpha(L2)\exp)=0.27 \{I6\}$ (2005Sa40).</p> <p>Eγ=159.1 {I4}, Iγ=60 {I10} (1978Ne10).</p>	<div>Show/Hide</div> <div> <input type="checkbox"/> L-Fmt <input type="checkbox"/> G-Fmt <input checked="" type="checkbox"/> Interpret. <input checked="" type="checkbox"/> #Record <input type="checkbox"/> Hierarchy <input checked="" type="checkbox"/> G-plot <input type="checkbox"/> G-plot:ok <input type="checkbox"/> L-plot/V <input type="checkbox"/> L-plot/H <input type="checkbox"/> L_n in/out </div>
184AU G 170.3 1 24 4M1 1.595	184AUS G KC=1.310 19\$LC=0.219 3\$MC=0.0507 8\$NC+=0.01511 22	<p>#Record 5/11 Gamma "170.3(1) M1 24(4)" Line:332[5]</p> <p>E= 170.3(±.1)keV</p> <p>Init.Level:L18:490.91(7) 1+</p> <p>Final.Level:L11:320.50(10) 2+ [E18-E11= 170.41; E18-E11-Eγ = 0.11±0.5σ]</p> <p>Relative photon intensity:RI= 24(4)</p> <p>Multipolarity of transaction:M=M1</p> <p>Total conversion coeff.:CC= 1.595</p> <p>\$KC=1.310 19 //Theoretical K- conversion coefficient</p> <p>\$LC=0.219 3 //Theoretical L-shell conversion coefficient</p> <p>\$MC=0.0507 8 //Conversion coefficient for M shell; calculated</p> <p>\$NC+=0.01511 22 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells</p> <p>\$NC=0.01263 18 //cc for N shell</p> <p>\$OC=0.00232 4 //cc for O shell</p> <p>\$PC=0.0001569 23 //cc for P shell</p> <p>#M: $\alpha(K)\exp=1.3 \{I3\}$ (2005Sa40).</p> <p>Eγ=170.1 {I2}, Iγ=21 {I3} (1978Ne10).</p>	
184AUS G NC=0.01263 18\$OC=0.00232 4\$PC=0.0001569 23	184AU cG M a(K)exp=1.3 {I3} (2005Sa40).		
184AU cG	E g=170.1 {I2}, I g=21 {I3} (1978Ne10).		
184AU G 236.7 1 1.00E3 10E1 0.0476	184AUS G KC=0.0391 6\$LC=0.00652 10\$MC=0.001509 22\$NC+=0.000442 7	<p>#Record 6/11 Gamma "236.7(1) E1 1.00E3(10)" Line:337[6]</p> <p>E= 236.7(±.1)keV</p> <p>Init.Level:L18:490.91(7) 1+</p> <p>Final.Level:L8:254.26(7) 2- [E18-E8= 236.65; E18-E8-Eγ = -0.05±0.5σ]</p> <p>Relative photon intensity:RI= 1.00E3(10)</p>	
184AUS G NC=0.000372 6\$OC=6.61E-5 10\$PC=3.62E-6 5	184AU cG M a(K)exp=0.04 {I1}, a(L)exp=0.05 {I2} (2005Sa40);		
184AUxcG a(K)exp=0.07 {I3} (1970FiZZ).	184AU cG E g=236.2 {I2}, I g=1000 (1978Ne10)		

										⋮	
										Multipolarity of transaction:M=E1 Total conversion coeff.:CC=0.0476 \$KC=0.0391 6 //Theoretical K- conversion coefficient \$LC=0.00652 10 //Theoretical L-shell con coefficient \$MC=0.001509 22 //Conversion coefficient shell; calculated \$NC+=0.000442 7 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells \$NC=0.000372 6 //cc for N shell \$OC=6.61E-5 10 //cc for O shell \$PC=3.62E-6 5 //cc for P shell #M: $\alpha(K)\exp=0.04$ {I1}, $\alpha(L)\exp=0.05$ {I2} (2005Sa40); $\alpha(K)\exp=0.07$ {I3} (1970FiZZ). E γ =236.2 {I2}, I γ =1000 (1978Ne10)	<div>Show/Hide</div> <div><input type="checkbox"/> L-Fmt <input type="checkbox"/> G-Fmt <input checked="" type="checkbox"/> Interpret. <input checked="" type="checkbox"/> #Record <input type="checkbox"/> Hierarchy <input checked="" type="checkbox"/> G-plot <input type="checkbox"/> G-plot:ok <input type="checkbox"/> L-plot/V <input type="checkbox"/> L-plot/H <input type="checkbox"/> L_n in/out</div>
184AU	G	248.0	2	9	3	[M1,E2]	0.37	19	#Record 7/11 Gamma "248.0(2) [M1,E2] 9(3)" Line:343[3] E=248.0(±.2)keV Init.Level:L18:490.91(7) 1+ Final.Level:L7:242.87(10) (LE3)+ [E18- E7=248.04; E18-E7-E γ =0.04 \in 0.2 σ] Relative photon intensity:RI=9(3) Multipolarity of transaction:M=[M1,E2] Total conversion coeff.:CC=0.37(±.19) \$KC=0.28 18 //Theoretical K- conversion coefficient \$LC=0.070 7 //Theoretical L-shell conversion coefficient \$MC=0.0169 8 //Conversion coefficient for M shell; calculated \$NC+=0.0050 3 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells \$NC=0.00420 22 //cc for N shell \$OC=0.00073 8 //cc for O shell \$PC=3.3E-5 23 //cc for P shell		
184AUS	G	KC=0.28	18	\$LC=0.070	7	\$MC=0.0169	8	\$NC+=0.0050	3		
184AUS	G	NC=0.00420	22	\$OC=0.00073	8	\$PC=3.3E-5	23				
184AU	G	362.0	2	25	10	(M1)	0.200	#Record 8/11 Gamma "362.0(2) (M1) 25(10)" Line:346[4] E=362.0(±.2)keV Init.Level:L18:490.91(7) 1+ Final.Level:L4:129.13(8) (1,2)+ [E18-E4=361.78; E18-E4-E γ =-0.22 \in 1 σ] Relative photon intensity:RI=25(10) Multipolarity of transaction:M=(M1) Total conversion coeff.:CC=0.200 \$KC=0.1645 24 //Theoretical K- conversion coefficient			
184AUS	G	KC=0.1645	24	\$LC=0.0270	4	\$MC=0.00626	9	\$NC+=0.00186	3		
184AUS	G	NC=0.001559	22	\$OC=0.000287	4	\$PC=1.95E-5	3				
184AU	cG	M	a(K) $\exp=0.16$ {I8} (2005Sa40).								

										<div><div>\$LC=0.0270 4 //Theoretical L-shell conversion coefficient</div><div>\$MC=0.00626 9 //Conversion coefficient f shell; calculated</div><div>\$NC+=0.00186 3 //Summed conversion coefficients of N-, O-, P-, Q- and R-shells</div><div>\$NC=0.001559 22 //cc for N shell</div><div>\$OC=0.000287 4 //cc for O shell</div><div>\$PC=1.95E-5 3 //cc for P shell</div><div>#M: $\alpha(K)\exp=0.16 \{I8\}$ (2005Sa40).</div></div> <div><div>Show/Hide</div><div><div><input type="checkbox"/> L-Fmt</div><div><input type="checkbox"/> G-Fmt</div><div><input checked="" type="checkbox"/> Interpret.</div><div><input checked="" type="checkbox"/> #Record</div><div><input type="checkbox"/> Hierarchy</div><div><input checked="" type="checkbox"/> G-plot</div><div><input type="checkbox"/> G-plot:ok</div><div><input type="checkbox"/> L-plot/V</div><div><input type="checkbox"/> L-plot/H</div><div><input type="checkbox"/> L_n in/out</div></div></div>	
184AU	G	404.7	2	22	3						#Record 9/11 Gamma "404.7(2) 22(3)" Line:350 E=404.7(±.2)keV Init.Level:L18:490.91(7) 1+ Final.Level:L3:86.50(8) (2,3)+ [E18-E3=404.41; E18-E3-E _γ =-0.29∈1σ] Relative photon intensity:RI=22(3)
184AU	G	419.6	4	5	2						#Record 10/11 Gamma "419.6(4) 5(2)" Line:351 E=419.6(±.4)keV Init.Level:L18:490.91(7) 1+ Final.Level:L2:71.87(9) 2+,3+ [E18-E2=419.04; E18-E2-E _γ =-0.56∈1.5σ] Relative photon intensity:RI=5(2)
184AU	G	422.7	2	42	6						#Record 11/11 Gamma "422.7(2) 42(6)" Line:352[3] E=422.7(±.2)keV Init.Level:L18:490.91(7) 1+ Final.Level:L1:68.46(4) 2+ [E18-E1=422.45; E18-E1-E _γ =-0.25∈1σ] Relative photon intensity:RI=42(6) E _γ =421.8 {I2}, I _γ =59 {I7} (1978Ne10); may be 419.6γ+422.7γ doublet.
184AU cG E g=421.8 {I2}, I g=59 {I7} (1978Ne10); may be 419.6 g+422.7 g doublet.											
184AU	L	600.60	22								? #Record 20/20 Level "L19:600.60(22)" Line:355 Child:2 Energy=600.60(±.22)keV Q=? (questionable)
184AU	E		0.03	3	0.13	13	6.9	5	0.16	16	? #Record 1/2 EC Line:356[2] Intensity of β ⁺ -decay branch: IB=0.03(±.03) Intensity of electron capture branch:IE=0.13(±.13) The log ft for (ε + β ⁺) transition :LOGFT=6.9(±.5) Total (ε + β ⁺) decay intensity:TI=0.16(±.16) \$EAV=1060 11 //Average energy of the β+ spectrum \$CK=0.681 4 //Calculated fraction of decay by electron capture from the K shell \$CL=0.1189 7 //Calculated fraction of decay by electron capture from the L shell
184AUS E EAV=1060 11\$CK=0.681 4\$CL=0.1189 7\$CM+=0.03807 21											

184AU	G	372.2	2	9	2	?	\$CM+=0.03807 21 #Record 2/2 Gamma "372.2(2) 9(2)" Line:358 E= 372.2(±.2)keV Init.Level:L19:600.60(22) Final.Level:L6:228.40(7) 3- [E19-E6= 372. E6-E γ = 0 \in 0.1 σ] Relative photon intensity:RI= 9(2)	⋮
- End							#Record 1/1 End Line:359	<div>Show/Hide <input type="checkbox"/> L-Fmt <input type="checkbox"/> G-Fmt <input checked="" type="checkbox"/> Interpret. <input checked="" type="checkbox"/> #Record <input type="checkbox"/> Hierarchy <input checked="" type="checkbox"/> G-plot <input type="checkbox"/> G-plot:ok <input type="checkbox"/> L-plot/V <input type="checkbox"/> L-plot/H <input type="checkbox"/> L_n in/out</div>

Total: Nuclides:1 Datasets:1 Records:110 Cards:359

Design and Programming: Viktor Zerkín (v.zerkin@gmail.com)

Last updated: 02/05/2026 17:32:32