<sup>192</sup><sub>79</sub>Au<sub>113</sub>-1

### Adopted Levels, Gammas

		History	
Туре	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 113,1871 (2012)	15-Jun-2012

 $Q(\beta^{-})=-765\ 23;\ S(n)=7.04\times10^{3}\ 4;\ S(p)=4363\ 16;\ Q(\alpha)=3151\ 19$  2012Wa38

Note: Current evaluation has used the following Q record -764 22 7036 40 4363 16 3151 18 2011AuZZ.

 $Q(\beta^{-})$ , S(n), S(p) and Q( $\alpha$ ) from 2003Au03 are, respectively, -765 22, 7040 40, 4368 16 and 3127 17.

 $Q(\beta^-)$ : -764 22 from 2011AuZZ;  $Q(\beta^-)$ =-1870 keV 70, as deduced from  $\beta^+$  data in <sup>192</sup>Hg  $\varepsilon$  decay (1975ViZK) is inconsistent with this.

See 1985K109, 1985St10, 1988Le19, 1988Le22, 1994Pa37 for hfs and isotope shift data.

# <sup>192</sup>Au Levels

### Cross Reference (XREF) Flags

		A B C	<sup>192</sup> Hg a Ir(α,xn <sup>4</sup> <sup>192</sup> Pt( <sup>3</sup> )	$\begin{array}{l} \varepsilon \text{ decay} & D & {}^{192} \text{Au IT decay (160 ms)} \\ \gamma), {}^{193} \text{Ir}({}^{3}\text{He},4n\gamma) & E & {}^{186} \text{W}({}^{11}\text{B},5n\gamma) \\ \text{He,t)} \end{array}$
E(level) <sup>†</sup>	$J^{\pi \ddagger}$	T <sub>1/2</sub> #	XREF	Comments
0.0@	<u>1</u> -&	4.94 h 9	AB D	
31.61 <sup>@</sup> 5	2- <b>&amp;</b>	0.69 ns 2	AB D	$J^{\pi}$ : M1+E2 32 $\gamma$ to 1 <sup>-</sup> g.s.; E3 $\gamma$ from (5) <sup>+</sup> 135.
72.61 <sup>@</sup> 25	3- <b>&amp;</b>		ΒD	$J^{\pi}$ : M1+E2 41 $\gamma$ to 2 <sup>-</sup> 32; M2 $\gamma$ from (5) <sup>+</sup> 135.
120.09 19	$0^{-}, 1^{-}, 2^{-}$		Α	$J^{\pi}$ : M1 120 $\gamma$ to 1 <sup>-</sup> g.s.
135.41 <sup><i>a</i></sup> 25	(5) <sup>+</sup>	29 ms	ΒD	%IT=100 J <sup><math>\pi</math></sup> : spin: by analogy with similar isomers in <sup>194</sup> Au, <sup>196</sup> Au, <sup>198</sup> Au; parity: E3 and M2 transitions to $\pi$ =- states. T <sub>1/2</sub> : ce(t) in Ir( $\alpha$ ,xn $\gamma$ ), <sup>193</sup> Ir( <sup>3</sup> He,4n $\gamma$ ) (1976RoZE,1980RoZT).
146.06 17	$(1,2)^{-}$		Α	$J^{\pi}$ : M1 115 $\gamma$ to 2 <sup>-</sup> 32; M1(+E2) 146 $\gamma$ to 1 <sup>-</sup> g.s.
157.28 23	$0^{-}, 1^{-}$	<0.05 ns	Α	$J^{\pi}$ : M1 157 $\gamma$ to 1 <sup>-</sup> g.s.; log ft=5.9 (log f <sup>1u</sup> t<8.5) from 0 <sup>+</sup> .
167.49 <i>19</i>	(1) <sup>-</sup>		A	$J^{\pi}$ : M1(+E2) 136 $\gamma$ to 2 <sup>-</sup> 32; log <i>ft</i> =6.8 (log $f^{4u}t < 8.5$ ) from 0 <sup>+</sup> ; E1 139 $\gamma$ from 1 <sup>+</sup> 306.
204.57 20	$0^{-}, 1^{-}, 2^{-}$		Α	$J^{\pi}$ : E1 102 $\gamma$ from 1 <sup>+</sup> 306.
224.9 <sup><i>a</i></sup> 4	$(6)^{+}$		ΒD	$J^{\pi}$ : M1+E2 90 $\gamma$ to (5) <sup>+</sup> 135.
242.9 <sup><i>a</i></sup> 4	$(7)^{+}$		ΒD	$J^{\pi}$ : E2 108 $\gamma$ to (5) <sup>+</sup> 135.
245.44 20	$0^{-}, 1^{-}$		Α	$J^{\pi}$ : M1 245 $\gamma$ to 1 <sup>-</sup> g.s.; log ft=6.1 (log f <sup>1u</sup> t<8.5) from 0 <sup>+</sup> .
262.59 19	$0^{-}, 1^{-}$		Α	$J^{\pi}$ : M1 263 $\gamma$ to 1 <sup>-</sup> g.s.; log ft=6.2 (log f <sup>1u</sup> t<8.5) from 0 <sup>+</sup> .
306.47 16	1+	<0.18 ns	Α	$J^{\pi}$ : E1 275 $\gamma$ to 2 <sup>-</sup> 32; log <i>ft</i> =5.1 from 0 <sup>+</sup> .
371.8 <sup><i>a</i></sup> 4	$(8)^{+}$		ΒD	J <sup><math>\pi</math></sup> : M1+E2 129 $\gamma$ to (7) <sup>+</sup> 243; E2 147 $\gamma$ to (6) <sup>+</sup> 225.
431.6 <sup>b</sup> 5	(11 <sup>-</sup> )	160 ms 20	B DE	%IT=100 $J^{\pi}$ : E3 60 $\gamma$ to (8) <sup>+</sup> 372; analogy with similar isomers in <sup>190</sup> Au, <sup>194</sup> Au.

Continued on next page (footnotes at end of table)

### Adopted Levels, Gammas (continued)

### <sup>192</sup>Au Levels (continued)

E(level) <sup>†</sup>	$J^{\pi \ddagger}$	$T_{1/2}^{\#}$	XR	EF	Comments
					T <sub>1/2</sub> : γ-ray timing spectra in Ir( $\alpha$ ,xnγ), <sup>193</sup> Ir( <sup>3</sup> He,4nγ) (1982Ne05). Other value: 167 ms (ce(t), 1976RoZE,1980RoZT).
436.59 24	0-,1-		Α		J <sup><math>\pi</math></sup> : M1 279 $\gamma$ to 0 <sup>-</sup> ,1 <sup>-</sup> 157 level; log <i>ft</i> =6.4 (log <i>f</i> <sup>1<i>u</i></sup> <i>t</i> <8.5) from 0 <sup>+</sup> .
659.3 <sup>°</sup> 6	(12 <sup>-</sup> )		В	Ε	
839.3 <mark>b</mark> 6	(13 <sup>-</sup> )		В	Е	
1099.1 <sup>C</sup> 6	(14 <sup>-</sup> )		В	Ε	
1547.3 <mark>b</mark> 6	(15 <sup>-</sup> )		В	Е	
1819.6 <sup>C</sup> 6	(16 <sup>-</sup> )		В	Ε	
1962.9 <mark>d</mark> 6	(15 <sup>+</sup> )		В	Е	
2176.2 <sup>d</sup> 7	$(17^{+})$		В	Е	
2316.4 <sup>b</sup> 7	(17 <sup>-</sup> )		В	Е	
2431.4 7	(18+)		В	Ε	$J^{\pi}$ : M1 255 $\gamma$ to (17 <sup>+</sup> ) 2176.
2516.3 8	(18 <sup>+</sup> )		В	Ε	
2582.6 <sup>e</sup> 8	(20+)	5.4 ns <i>3</i>	В	E	Likely configuration: $\pi(h_{11/2}^{-1})\nu(i_{3/2}^{-2})\nu(h_{9/2}^{-1})$ . T <sub>1/2</sub> : from 341(ce(K))- $\gamma$ (2001Gu29) in ( <sup>11</sup> B,5n $\gamma$ ).
2608.0 <sup>C</sup> 7	(18 <sup>-</sup> )		В	Е	
2642.1 11	$(17^+, 18^+, 19^+)$			Ε	$J^{\pi}$ : M1 211 $\gamma$ to (18 <sup>+</sup> ) 2431.
2977.5 9	$(20^{+})$		В		$J^{\pi}$ : (E2) 461 $\gamma$ to (18 <sup>+</sup> ) 2516.
3008.9 11	19-			Е	
3013.3 10	(20)		В	_	
3043.6° 13	(22)		_	E	
3316.7 10	(22)		В		
3524.5 9	(22)		В	F	
3390.0 13 3783 5 <sup>6</sup> 15				E F	
4635 5 <sup>e</sup> 18				E	
14124 <i>16</i>	$0^{+}$	108 keV 9	С	-	$J^{\pi}$ : IAS( <sup>192</sup> Pt g.s.).

<sup>†</sup> From least-squares fit to adopted  $E\gamma$  data, assigning 1 keV uncertainty to  $E\gamma$  for which uncertainty is unknown.

<sup>‡</sup> From  $\gamma$ -ray multipolarities, coincidence data, and band structure in Ir( $\alpha$ ,xn $\gamma$ ), <sup>193</sup>Ir(<sup>3</sup>He,4n $\gamma$ ), except where noted; continuing  $J^{\pi}$  patterns established.

- <sup>#</sup> From (ce)(ce)(t) in <sup>192</sup>Hg  $\varepsilon$  decay (1971Ho04), except as noted.
- <sup>@</sup> Band(A):  $\pi$ =- g.s. sequence.
- & Based on smooth progression of level energies and independently established  $J^{\pi}(g.s.)=1^{-}$  and mult(32 $\gamma$ ), definite  $J^{\pi}$  has been assigned to all members of the g.s. sequence.
- <sup>*a*</sup> Band(B):  $\pi$ =+ sequence. Built on (5)<sup>+</sup> 29 ms, 135-keV level.
- <sup>b</sup> Band(c):  $\alpha = 1$  rotation-aligned band. (configuration= $((\pi h_{11/2})^{-1} \otimes (\nu i_{13/2})^{-1})$ . Built on 160 ms (11<sup>-</sup>) isomer.
- <sup>c</sup> Band(C):  $\alpha = 0$  rotation-aligned band. (configuration= $((\pi h_{11/2})^{-1} \otimes (\nu i_{13/2})^{-1})$ . Signature partner of band built on 160 ms (11<sup>-</sup>) isomer.

<sup>*d*</sup> Band(D): Band fragment. Side cascade to rotation-aligned band (possible configuration= $((\pi h_{11/2})^{-1}(\nu i_{13/2})^{-2}(\nu j))$  (with  $j=p_{1/2}, p_{3/2} \text{ or } f_{5/2})$  (15<sup>+</sup> and 17<sup>+</sup> members)).

<sup>*e*</sup> Band(E):  $\pi$ =+ band built on (20<sup>+</sup>) isomer. 2-quasiparticle excitation from 11<sup>-</sup> isomer; likely high-spin 4-quasiparticle configurations are  $(\pi h_{11/2})^{-1} \otimes (\nu i_{13/2}^{-2} h_{9/2}^{-1})$  and  $(\pi h_{11/2})^{-1} \otimes (\nu i_{13/2}^{-2} f_{7/2}^{-1})$ , probably the former (2001Gu29).

					Adopted Le	vels, Gammas (	(continued)	
						$\gamma(^{192}\mathrm{Au})$		
E <sub>i</sub> (level)	$\mathbf{J}_i^{\pi}$	$E_{\gamma}^{\dagger}$	$I_{\gamma}^{\ddagger}$	$\mathbf{E}_f \qquad \mathbf{J}_f^{\pi}$	Mult. <sup>†</sup>	$\delta^{\dagger}$	α@	Comments
31.61	2-	31.61 5	100	0.0 1-	M1+E2	0.084 3	46.2 9	B(M1)(W.u.)=0.0213 8; B(E2)(W.u.)=59 5
72.61	3-	41.0 <sup>#</sup> 3	100	31.61 2-	M1+E2 <sup>#</sup>	0.063 <sup>#</sup>	18.9 5	
120.09	$0^{-}, 1^{-}, 2^{-}$	88.5 6		31.61 2-				
		120.1 3		0.0 1-	M1		4.30 7	
135.41	$(5)^{+}$	62.8 <sup>#</sup> 3		72.61 3-	M2 <sup>#</sup>		157 4	
		103.8 <sup>#</sup> 3		31.61 2-	E3 <sup>#</sup>		103.3 23	
146.06	$(1,2)^{-}$	114.5 3	76 17	31.61 2-	M1		4.92 8	
		146.0 <i>3</i>	100 21	$0.0 1^{-}$	M1(+E2)	0.6 +11-6	2.1 7	
157.28	$0^{-}, 1^{-}$	157.2 <i>3</i>	100	0.0 1-	M1		2.00	B(M1)(W.u.)>0.037
167.49	$(1)^{-}$	135.9 3		31.61 2-	M1(+E2)	0.3 + 9 - 3	2.9 8	
204.57	0- 1- 0-	167.5 3	100	$0.0 1^{-1}$			0.054	
204.57	0,1,2	204.6 3	100	0.0 1	(M1)	#	0.954	
224.9	(6)+	89.5 <sup>#</sup> 3	100	135.41 (5)+	M1+E2"	0.18"	9.91 17	
242.9	$(7)^{+}$	(18.0 <sup>#</sup> 7)		224.9 $(6)^+$				
		107.5 <b>#</b> 3		135.41 (5)+	E2 <b>#</b>		3.86 7	
245.44	$0^{-}, 1^{-}$	40.9 3		204.57 0-,1-,2-				
		99.4 3	39 10	$146.06 (1,2)^{-1}$	M1(+E2)	0.4 + 10 - 4	7.1 11	
262.50	0- 1-	245.4 3	100 17	0.0 I	MI M1		0.576	
202.39	0,1	105.4 0	23 0 12 1	$137.28 \ 0 \ ,1$ $146.06 \ (1.2)^{-1}$	$M1(\pm E2)$	< 0.2	0.24 14	
		142 5 3	100 19	140.00 (1,2) $120.09 0^{-} 1^{-} 2^{-}$	$M1(\pm L2)$ M1	<0.2	2 64	
		262.6 3	100 32	$0.0  1^{-}$	M1		0.478	
306.47	1+	101.9.3	2.4.6	204.57 012-	E1		0.396 7	$B(E1)(W.u.) > 2.0 \times 10^{-5}$
		139.0 3	1.9 8	167.49 (1)	E1		0.180	$B(E1)(W.u.) > 6.3 \times 10^{-6}$
		186.4 <i>3</i>	6.5 11	120.09 0-,1-,2-	E1		0.0859	$B(E1)(W.u.) > 8.9 \times 10^{-6}$
		274.8 <i>3</i>	100 4	31.61 2-	E1		0.0331	$B(E1)(W.u.) > 4.3 \times 10^{-5}$
		306.5 <i>3</i>	10.7 11	0.0 1-	E1		0.0256	$B(E1)(W.u.) > 3.3 \times 10^{-6}$
371.8	$(8)^{+}$	128.9 <sup>#</sup> 3		242.9 (7) <sup>+</sup>	M1+E2 <sup>#</sup>	1.0 <sup>#</sup>	2.69 5	
		146.9 <sup>#</sup> 3		224.9 (6) <sup>+</sup>	E2 <b>#</b>		1.133 19	
431.6	$(11^{-})$	59.8 <sup>#</sup> 3	100	$371.8 (8)^+$	E3#		$2.44 \times 10^{3} 8$	$B(F3)(W_{11}) = 0.52.7$
436.59	$0^{-}.1^{-}$	279.2 3	63 8	157.28 01-	M1		0.404	B(E3)(11.0.)=0.527
	- ,	436.7 3	100 16	0.0 1-	(M1)		0.1209	
659.3	(12 <sup>-</sup> )	227.7 3	100	431.6 (11 <sup>-</sup> )	M1+E2	+0.09 4	0.705 11	$E_{\gamma}, I_{\gamma}, \delta$ : from ( $\alpha, xn\gamma$ ).
								Mult.: M1 from $\alpha$ (L)exp in ( <sup>11</sup> B,5n $\gamma$ ), D+Q from
								$(\alpha, \mathbf{xn}\gamma).$
839.3	(13-)	180.1 <i>3</i>	30 4	659.3 (12 <sup>-</sup> )	M1(+E2)	-0.03 7	1.362 22	$E_{\gamma}, I_{\gamma}, \delta$ : from $(\alpha, xn\gamma)$ .
								Mult.: M1 from $\alpha$ (K)exp in ( <sup>11</sup> B,5n $\gamma$ ), D(+Q) from
		107 5 3	100 7		50		0.0422	$(\alpha, xn\gamma)$ .
		407.73	100 7	431.6 (11 <sup>-</sup> )	E2		0.0433	$E_{\gamma},I_{\gamma}$ : trom ( $\alpha$ ,xn $\gamma$ ), ( <sup>3</sup> He,4n $\gamma$ ).
								Mult.: from $({}^{11}B,5n\gamma)$ .

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From ENSDF

				Adopted	Levels, Gamm	<mark>as</mark> (continued	d)	
					$\gamma(^{192}\text{Au})$ (conti	nued)		
E <sub>i</sub> (level)	$\mathbf{J}_i^{\pi}$	$E_{\gamma}^{\dagger}$	$I_{\gamma}^{\ddagger}$	$\mathbf{E}_f \qquad \mathbf{J}_f^{\pi}$	Mult. <sup>†</sup>	$\delta^{\dagger}$	α <sup>@</sup>	Comments
1099.1	(14 <sup>-</sup> )	259.7 3	100 8	839.3 (13 <sup>-</sup> )	M1+E2	+0.09 4	0.490 8	E <sub>γ</sub> ,I <sub>γ</sub> ,δ: from ( $\alpha$ ,xnγ). Mult.: M1 from $\alpha$ (K)exp in ( <sup>11</sup> B,5nγ), D+Q from ( $\alpha$ ,xnγ).
		439.8 <sup>#</sup> 3	28 <sup>#</sup> 8	659.3 (12 <sup>-</sup> )	(E2) <sup>#</sup>		0.0356	
1547.3	(15 <sup>-</sup> )	448.2 <sup><b>#</b></sup> 3	50 <sup>#</sup> 14	1099.1 (14-)	(M1+E2) <sup>#</sup>	+0.05 <sup>#</sup> 4	0.1127 17	
		708.0 <sup>#</sup> 3	100 <sup>#</sup> 14	839.3 (13 <sup>-</sup> )	(E2) <sup>#</sup>		0.01167	
1819.6	(16 <sup>-</sup> )	272.2 <sup>#</sup> 3	33 <sup>#</sup> 11	1547.3 (15 <sup>-</sup> )	$(M1+E2)^{\#}$	+0.08 <sup>#</sup> 4	0.431 7	
	. ,	720.8 <sup>#</sup> 3	100 <sup>#</sup> 22	1099.1 (14-)	(E2) <sup>#</sup>		0.01123	
1962.9	$(15^{+})$	415.9 <sup>#</sup> 3	7 <sup>#</sup> 3	1547.3 (15 <sup>-</sup> )	D <sup>#</sup>			
		863.5 <sup>#</sup> 3	100 <sup>#</sup> 10	1099.1 (14 <sup>-</sup> )	D <sup>#</sup>			Mult.: $\gamma(\theta)$ consistent with pure D, $\Delta J=1$ ; 1982Ne05 favor E1, but evaluator considers this highly tentative.
2176.2	(17 <sup>+</sup> )	213.2 3	100 12	1962.9 (15 <sup>+</sup> )	E2		0.302	$E_{\gamma},I_{\gamma}$ : from ( $\alpha$ ,xn $\gamma$ ), ( <sup>3</sup> He,4n $\gamma$ ). Mult.: from ( <sup>11</sup> B,5n $\gamma$ ).
		356.6 <sup>#</sup> 3	18 <sup>#</sup> 6	1819.6 (16 <sup>-</sup> )	D <sup>#</sup>			
2316.4	(17 <sup>-</sup> )	496.6 <sup>#</sup> 5	50 25	1819.6 (16 <sup>-</sup> )				$I_{\gamma}$ : from ( $\alpha$ ,xn $\gamma$ ), ( <sup>3</sup> He,4n $\gamma$ ).
		769.0 <sup>#</sup> 3	100 <sup>#</sup> 25	1547.3 (15 <sup>-</sup> )	(E2) <sup>#</sup>			
2431.4	(18 <sup>+</sup> )	255.1 <sup>#</sup> 3	100	2176.2 (17 <sup>+</sup> )	M1		0.518	Mult.: from $(^{11}B,5n\gamma)$ .
2516.3	(18 <sup>+</sup> )	340.7 <sup>#</sup> 5	100	2176.2 (17 <sup>+</sup> )	M1		0.235	Mult.: from $(^{11}B,5n\gamma)$ .
2582.6	(20 <sup>+</sup> )	68.5	100 5	2516.3 (18+)	E2		27.3	B(E2)(W.u.)=35 5
		151.0 <i>3</i>	79 16	2431.4 (18+)	E2		1.022 17	$E_{\gamma}$ ,Mult., $I_{\gamma}$ : from ( <sup>11</sup> B,5n $\gamma$ ). B(E2)(W.u.)=0.54 <i>12</i>
								$I_{\gamma}$ ,Mult.: from ( <sup>11</sup> B,5nγ). Other Eγ: 153.6 in ( <sup>11</sup> B,5nγ).
2608.0	(18 <sup>-</sup> )	291.4 <sup>#</sup> 3	75 <sup>#</sup> 25	2316.4 (17 <sup>-</sup> )	$(M1(+E2))^{#}$	+0.04 <sup>#</sup> 5	0.359 6	
		788.5 <sup>#</sup> 3	100 <sup>#</sup> 25	1819.6 (16 <sup>-</sup> )	(E2) <sup>#</sup>			
2642.1	$(17^+, 18^+, 19^+)$	211.0	100	2431.4 (18 <sup>+</sup> )	M1		0.875	$E_{\gamma}$ ,Mult.: from ( <sup>11</sup> B,5n $\gamma$ ).
2977.5	$(20^{+})$	461.2 <sup>#</sup> 3	100	2516.3 (18 <sup>+</sup> )	(E2) <sup>#</sup>		0.0315	11
3008.9	19-	367		$2642.1  (17^+, 18^+, 19^+)$	2.61		0.1522	$E_{\gamma}$ : from ( <sup>11</sup> B,5n $\gamma$ ).
	(20)	400.6	100	2608.0 (18 <sup>-</sup> )	MI		0.1522	$E_{\gamma}$ ,Mult.: from (11B,Sn $\gamma$ ).
3013.3	(20)	497.0" 5 461	100	$2516.3 (18^{+})$ $2582.6 (20^{+})$				
3316.7	(22)	339.2 5	100	2977.5 (20 <sup>+</sup> )	(Q)		0.0716	$E_{\gamma}$ : from ( <sup>11</sup> B,5nγ). Mult.: from ( <i>α</i> ,xnγ).

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# From ENSDF

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							$\gamma(^{192}\text{Au})$ (continued)
E <sub>i</sub> (level)	$\mathbf{J}_i^{\pi}$	$E_{\gamma}^{\dagger}$	$I_{\gamma}^{\ddagger}$	$\mathbf{E}_f  \mathbf{J}_f^{\pi}$	Mult. <sup>†</sup>	α <sup>@</sup>	Comments
3524.3	(22)	546.8 <sup>#</sup> 3	100	2977.5 (20 <sup>+</sup> )	(Q) <sup>#</sup>		
3590.8		547	100	3043.6			$E_{\gamma}$ : from ( <sup>11</sup> B,5n $\gamma$ ).
3783.5		192.6		3590.8	M1	1.129	$E_{\gamma}$ ,Mult.: from ( <sup>11</sup> B,5n $\gamma$ ).
		740		3043.6			$E_{\gamma}$ : from ( <sup>11</sup> B,5n $\gamma$ ).
4635.5		852	100	3783.5			$E_{\gamma}$ : from ( <sup>11</sup> B,5n $\gamma$ ).

Adopted Levels, Gammas (continued)

<sup>†</sup> From <sup>192</sup>Hg  $\varepsilon$  decay, except where noted. <sup>‡</sup> Relative photon branching from each level; values are from <sup>192</sup>Hg  $\varepsilon$  decay, except where noted. <sup>#</sup> From Ir( $\alpha$ ,xn $\gamma$ ), <sup>193</sup>Ir(<sup>3</sup>He,4n $\gamma$ ).

<sup>@</sup> Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on  $\gamma$ -ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

### Adopted Levels, Gammas

### Level Scheme

Intensities: Relative photon branching from each level





<sup>192</sup><sub>79</sub>Au<sub>113</sub>

Adopted Levels, Gammas



<sup>192</sup><sub>79</sub>Au<sub>113</sub>

## Adopted Levels, Gammas (continued)

