	History		
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan and A. A. Sonzogni	NDS 115, 135 (2014)	1-Nov-2013

 $Q(\beta^{-})=2918 \ 3; \ S(n)=7053 \ 3; \ S(p)=13089 \ 4; \ Q(\alpha)=-6168 \ 3$ 2012Wa38 S(2n)=12568 3; S(2p)=23766 4 (2012Wa38).

 α : Additional information 1.

⁸⁸Kr Levels

Cross Reference (XREF) Flags

- ⁸⁸Br β⁻ decay ⁸⁹Br β⁻n decay ²⁵²Cf SF decay Α Coulomb excitation:projectile $^{208}\text{Pb}(^{18}\text{O},\text{X}\gamma)$ В F G
- 86 Kr(t,p) C

²⁴⁸Cm SF decay

E(level) [†]	J^{π}	T _{1/2}	XREF	Comments
0.0	0+	2.825 h <i>19</i>	ABCDEFG	$\%\beta^{-}=100$
				$T_{1/2}$: weighted average of 2.804 h <i>15</i> (2012Wa21), 2.860 h <i>17</i> (1972Eh02) and 2.805 h <i>25</i> (1964Cl01). Others: 2.78 h <i>6</i> (1949Ko13), 2.92 h <i>17</i> (1940Gl05). $\delta < r^2 > = 0.282 \text{ fm}^2$ 4 relative to 86 Kr (2013An02 evaluation). Measured values: 0.282 fm ² <i>53</i> (1995Ke04) and 0.304 fm ² <i>37</i> (1990Sc30).
775.32 4	2+	11.1 ps <i>12</i>	ABCDEFG	$0.282 \text{ fm}^{-3.5} (1993 \text{ KeO}^4)$ and $0.304 \text{ fm}^{-3.7} (1990 \text{ SC}^{-3.0})$. B(E2) \uparrow =0.090 9
773.32 7	-	11.1 ps 12	IIDCDLI G	J^{π} : L(t,p)=2.
				T _{1/2} : deduced from measured B(E2) and adopted γ-ray properties. B(E2)↑: preliminary result given in 2007Mu07, 2009MuZW.
1577.43 <i>4</i>	2+		ABCD	XREF: C(1588).
				J^{π} : L(t,p)=2.
1643.78 <i>6</i>	4 ⁺		ABCDE G	XREF: B(?)C(1654).
2103.81 8	(4^{+})		A CDE G	J^{π} : (E2) 868 γ to 2 ⁺ , L(t,p)=3,4.
2103.81 8	(4)		A CDE G	XREF: C(2115). J^{π} : stretched Q or ΔJ =0, D 460 γ gives J=4 or 6. 1328 γ to 2 ⁺ prefers J=4
				and non-zero mixing ratio suggests positive parity.
2216.08 6	2+		A C	XREF: C(2224).
				J^{π} : L(t,p)=2.
2341.99 6	$(3,4^+)^{\ddagger}$		Α	
2370.26 7			A C	XREF: C(2379).
2419.62 <i>6</i>	(3^{-})		A C	XREF: C(2428).
2550 24 11	(4^{+})		A C	J^{π} : L(t,p)=3,4 with L=3 better fit.
2550.34 11	(4')		A C	XREF: C(2558). J^{π} : L(t,p)=3,4 with L=4 better fit.
2630.58 <i>6</i>	$(3,4^+)^{\ddagger}$		A	J . L(t,p)-3,4 with L-4 better in.
2651.21 6	(3,4)· 2+		A C	XREF: C(2658).
2031.21 0	2		ис	J^{π} : L(t,p)=2.
2775.83 10	0^{+}		A C	XREF: C(2789).
				J^{π} : L(t,p)=0.
2828.49 7	$(1,2^+)^{@}$		A	
2855.5 <i>3</i>	(5)	≤1 ps	E G	J^{π} : D+Q 752 γ to (4 ⁺).
				$T_{1/2}$: from observed Doppler broadening of the 752 γ in 208 Pb(18 O,X γ).
2875.04 7	(2+)		A	J^{π} : 1231 γ to 4 ⁺ , 2875 γ to 0 ⁺ .
2929.32 8	$(3,4^+)^{\ddagger}$		A	
2945.45 10	$(1,2^+)^{\textcircled{0}}$		Α	
2966 10	(3^{-})		C	J^{π} : L(t,p)=3,4 with L=3 slightly better fit.
3044.64 9			A	

⁸⁸Kr Levels (continued)

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E(level)
                                                    XREF
                                       T_{1/2}
                                                                                                                       Comments
                      (1,2^+)^{\textcircled{@}}
3113.51 21
3160.93<sup>&</sup> 25
                      (5)
                                                      c E G
                                                                   J<sup>\pi</sup>: (D+Q) 1517\gamma to 4<sup>+</sup>, L(p,t)≥5 for level at 3169 10.
3163.43 9
                      (3,4^+)^{\ddagger}
                                                   Α
3167.15<sup>&</sup> 25
                                                                  J^{\pi}: Q 1523\gamma to 4<sup>+</sup>, L(p,t)\geq5 for level at 3169 10.
                      (6)
                                                      c E G
3204.00 11
                                                   Α
                      3^{-},4^{+}
3246 10
                                                      C
                                                                   J^{\pi}: L(t,p)=3,4.
3295.2 3
                                                                   T_{1/2}: from observed Doppler broadening of the 752\gamma in ^{208}Pb(^{18}O,X\gamma).
                      (5,6)
                                                         E G
                                       ≤1 ps
                                                                   J^{\pi}: D 440\gamma to (5).
                                                      C
3312 10
                                                                   J^{\pi}: L(t,p)\geq5.
                      (1,2^+)^{\textcircled{a}}
3331.62 21
                                                   A
3335.92 8
                      (3,4^+)^{\ddagger}
                                                   Α
3341.49 11
                      (2^{+})
                                                   Α
                                                                   J^{\pi}: 1698\gamma to 4<sup>+</sup>, 3341\gamma to 0<sup>+</sup>.
3362.13 7
                                                   Α
                      (1,2^+)^{\textcircled{a}}
3399.19 8
                                                   Α
3519 10
                                                      C
3553.3 10
                                                         Ε
                      2+
                                                      C
3608 10
                                                                   J^{\pi}: L(t,p)=2.
3652 10
                      3^{-},4^{+}
                                                                   J^{\pi}: L(t,p)=3,4.
                                                      C
3710.04 11
                      (3)
                                                   A C
                                                                   XREF: C(3706).
                                                                   J^{\pi}: L(t,p)=3,4 with L=4 better fit but log ft=7.1 from (2<sup>-</sup>).
3761 10
                      3^{-},4^{+}
                                                      C
                                                                   J^{\pi}: L(t,p)=3,4.
3770.78 8
                      (1^-,2^+)
                                                                   J^{\pi}: 1351\gamma to (3<sup>-</sup>), 3770\gamma to 0<sup>+</sup>.
                                                   A
                                                      C
3866 10
3904.7 5
                                                         E G
3920.9 3
                      (7)
                                                       DE G
                                                                   J^{\pi}: D+Q 754\gamma to (6), Q 760\gamma to (5).
3932 10
                      (2^{+})
                                                   A C
4048.4 3
                                                                   XREF: C(4036).
                                                                   J^{\pi}: L(t,p)=(2).
4100.34 11
                      (3^{-})
                                                   A C
                                                                   XREF: C(4075).
                                                                   J^{\pi}: L(t,p)=(3).
4220 10
                      (3^-,4^+)
                                                      C
                                                                   J^{\pi}: L(t,p)=(3,4).
                                                                   XREF: C(4261).
4268.32 11
                                                   A C
                      (1^-,2,3)
                                                                   J^{\pi}: 1849\gamma to (3<sup>-</sup>), 3493\gamma to 2<sup>+</sup>, log ft=6.9 from (2<sup>-</sup>).
                      (1,2^+)^{@}
4287.7 3
                                                   Α
4342.6 4
                                                             G
                                                                   J^{\pi}: 422\gamma to (7), 1175.5\gamma to (6).
                      (8)
4372 10
                                                      C
4430 10
                      (2^{+})
                                                      C
                                                                   J^{\pi}: L(t,p)=(2).
                                                             G
4479.2 7
4560.15 22
                      (1,2,3)^{\#}
                                                   A
                      (1,2^+)^{@}
4563.2 3
                                                   Α
                      (1^-,2^+)
4596.85 17
                                                   A
                                                                   J^{\pi}: 2177\gamma to (3<sup>-</sup>), 4597\gamma to 0<sup>+</sup>.
4707.78 15
                      (1^-,2^+)
                                                                   J^{\pi}: 2288\gamma to (3<sup>-</sup>), 4708\gamma to 0<sup>+</sup>.
                                                   A
4857.5 5
                                                             G
4923.51 10
                      (1^-,2,3)
                                                                   J^{\pi}: 2504\gamma to (3<sup>-</sup>), log ft=6.2 from (2<sup>-</sup>).
                                                   Α
                      (1,2^+)^{@}
4985.75 15
                                                   Α
                      (1,2^+)^{@}
5018.7 3
                                                   A
5070.27 18
                      (2^+,3,4^+)
                                                                   J^{\pi}: 3426\gamma to 4<sup>+</sup>, 3493\gamma to 2<sup>+</sup>.
                                                   Α
                      (1,2^+)^{@}
5088.2 4
                                                   A
                                                                  J^{\pi}: 850\gamma to (8), 1272\gamma to (7).
5193.0 5
                      (9)
                      (1,2,3)#
5270.5 5
                                                   Α
5439.4 5
                      (1,2,3)^{\#}
                                                   Α
5495.81 20
                      (1,2,3)
                                                   Α
                                                                   J^{\pi}: 3076\gamma to (3<sup>-</sup>), log ft=6.0 from (2<sup>-</sup>).
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⁸⁸Kr Levels (continued)

E(level) [†]	J^π	XREF	Comments
5503.3 <i>3</i>	$(1,2^+)^{@}$	A	
5627.1 4	$(1,2,3)^{\#}$	A	
5693.4 3	(1,2,3)	Α	J^{π} : 3274 γ to (3 ⁻), log ft =7.2 from (2 ⁻).
5726.2 3		A	
5856.8 <i>6</i> 5914.99 <i>20</i>	$(1^-,2^+,3^-)$	G A	J^{π} : 3496 γ to 3 ⁻ , 5916 γ to 0 ⁺ .
5972.9 <i>5</i>	$(1,2,3)^{\#}$	A	
5977.47 23	$(1,2,3)^{\#}$	A	
5988.5 <i>3</i>	(1,2,3)	Α	J^{π} : 3569 γ to (3 ⁻); log ft =6.3 from (2 ⁻).
6034.4 4	$(1,2^+)^{\bigcirc}$	Α	
6071.2 4	$(1,2^+)^{\textcircled{@}}$	Α	
6109.2 <i>12</i>		G	
6231.7 3	$(1,2^+)^{\textcircled{0}}$	A	
6233.5 7	#	G	
6539.2 5	$(1,2,3)^{\#}_{\mu}$	A	
6718.3 <i>4</i>	$(1,2,3)^{\#}$	A	
6758.0 <i>5</i>	$(1,2,3)^{\#}$	A	
6999.5 5	$(1,2^+)^{\textcircled{0}}$	A	
7490.6 <i>10</i>		G	
7969.5 11		G	

 $^{^{\}dagger}$ Levels with ΔE <2 keV are deduced from the Adopted Gammas using least-squares fit, the others are from (t,p).

[‡] From γ to 2⁺ and 4⁺ levels, no γ to 0⁺, log ft=7.4 - 8.0 in β ⁻ decay of (2⁻) ⁸⁸Br. # From γ to 2⁺, log ft=6.2 - 7.3 in β ⁻ decay of (2⁻) ⁸⁸Br.

[@] From γ to 0⁺.

[&]amp; Ordering of the 754y-1524y and 760y-1517y cascades is reversed in ²⁴⁸Cm SF decay (2000Rz02) and ²⁵²Cf SF decay (2011Li34) resulting in levels at 2397 and 2404 in the former and 3161 and 3168 in the latter. The level scheme of 2011Li34 is adopted here based on the observation of an additional linking transition and the presence of a corresponding level observed in (t,p).

$\gamma(^{88}{\rm Kr})$

						/	<u>, , , , , , , , , , , , , , , , , , , </u>	
E_i (level)	\mathbf{J}_i^{π}	${\rm E}_{\gamma}{}^{\dagger}$	$_{\mathrm{I}_{\gamma}}^{\dagger}$	$\mathbf{E}_f \qquad \mathbf{J}_f^{\pi}$	Mult.	δ	α	Comments
775.32	2+	775.28 6	100	0.0 0+	E2		9.27×10 ⁻⁴	$\alpha(K)$ =0.000822 12; $\alpha(L)$ =8.88×10 ⁻⁵ 13; $\alpha(M)$ =1.436×10 ⁻⁵ 21; $\alpha(N)$ =1.442×10 ⁻⁶ 21 B(E2)(W.u.)=7.8 9 Mult.: from $\gamma\gamma(\theta)$ in ²⁴⁸ Cm SF decay and Coulomb Excitation.
1577.43	2+	802.14 <i>6</i> 1577.41 <i>6</i>	100.0 <i>10</i> 26.34 <i>24</i>	775.32 2 ⁺ 0.0 0 ⁺				name. From 77(0) in the original and contains Exchange.
1643.78	4+	868.4 1	100	775.32 2+	(E2)		6.96×10^{-4}	$\alpha(K)$ =0.000617 9; $\alpha(L)$ =6.63×10 ⁻⁵ 10; $\alpha(M)$ =1.073×10 ⁻⁵ 15; $\alpha(N)$ =1.079×10 ⁻⁶ 16 Mult.: Q from $\gamma\gamma(\theta)$ in ²⁵² Cf SF decay, assumed E2.
2103.81	(4 ⁺)	460.02 5	100‡ 17	1643.78 4+	M1+E2	+0.26# 4		Mult.: D+Q from $\gamma\gamma(\theta)$ in 252 Cf SF decay, $\Delta\pi$ =no from level scheme.
2216.08	2+	1328.9 [‡] <i>3</i> 1440.5 <i>1</i> 2216.3 <i>3</i>	13 [‡] 4 100.0 <i>12</i> 17.1 <i>12</i>	775.32 2 ⁺ 775.32 2 ⁺ 0.0 0 ⁺				
2341.99	(3,4+)	125.9 <i>I</i> 698.2 <i>I</i> 764.6 <i>I</i> 1566.7 <i>I</i>	1.1 <i>4</i> 11.3 9 21.7 <i>13</i>	2216.08 2 ⁺ 1643.78 4 ⁺ 1577.43 2 ⁺				
2370.26		792.9 <i>I</i> 1594.8 <i>I</i>	100 <i>19</i> 100 <i>4</i> 17 <i>8</i>	775.32 2 ⁺ 1577.43 2 ⁺ 775.32 2 ⁺				
2419.62	(3^{-})	1644.3 <i>I</i>	100.0 21	775.32 2 ⁺				
2550.34	(4 ⁺)	1775.0 <i>1</i>	100	775.32 2 ⁺				
2630.58	(3,4+)	288.68 <i>10</i> 986.4 <i>1</i> 1053.5 <i>1</i>	13.1 <i>17</i> 19.5 <i>21</i> 100.0 <i>21</i>	2341.99 (3,4 ⁺) 1643.78 4 ⁺ 1577.43 2 ⁺				
2651.21	2+	1855.2 <i>I</i> 309.2 <i>3</i> 1073.74 <i>6</i> 1876.0 <i>I</i> 2650.8 <i>3</i>	51 4 8 3 100 3 32 5 15 5	775.32 2 ⁺ 2341.99 (3,4 ⁺) 1577.43 2 ⁺ 775.32 2 ⁺ 0.0 0 ⁺				
2775.83	0+	1198.4 <i>I</i> 2000.4 <i>3</i>	100 7 55 9	1577.43 2 ⁺ 775.32 2 ⁺				
2828.49	(1,2+)	486.5 <i>I</i> 612.4 <i>I</i> 1251.1 <i>I</i> 2053.08 <i>I2</i> 2828.5 <i>3</i>	25 7 100 20 40 10 64 5 74 6	2341.99 (3,4 ⁺) 2216.08 2 ⁺ 1577.43 2 ⁺ 775.32 2 ⁺ 0.0 0 ⁺				
2855.5 2875.04	(5) (2 ⁺)	751.8 [‡] 3 658.9 1 1231.3 1 1297.6 1 2099.6 3	100 [‡] 13 <i>3</i> 9.6 22 10.4 <i>11</i> 14 <i>3</i>	2103.81 (4 ⁺) 2216.08 2 ⁺ 1643.78 4 ⁺ 1577.43 2 ⁺ 775.32 2 ⁺	D+Q [#]			

γ (88Kr) (continued)

	E_i (level)	\mathbf{J}_i^{π}	E_{γ}^{\dagger}	I_{γ}^{\dagger}	E_f J_f^{π}	Mult.	Comments
	2875.04	(2+)	2875.1 3	100 4	0.0 0+		
	2929.32	$(3,4^+)$	1285.9 <i>1</i>	35.4 <i>23</i>	1643.78 4 ⁺		
			1351.5 <i>1</i>	100 23	1577.43 2 ⁺		
			2154.1 <i>3</i>	54 8	775.32 2 ⁺		
	2945.45	$(1,2^+)$	1368.0 <i>I</i>	41 3	1577.43 2 ⁺		
			2169.8 <i>3</i>	27.6 21	775.32 2+		
			2945.7 <i>3</i>	100 <i>3</i>	$0.0 0^{+}$		
	3044.64		1467.0 <i>1</i>	47 3	1577.43 2+		
			2269.67 14	100 7	775.32 2 ⁺		
	3113.51	$(1,2^+)$	2338.2 <i>3</i>	100 33	775.32 2+		
			3113.4 <i>3</i>	50 27	$0.0 0^{+}$		
	3160.93	(5)	1517.1 [‡] <i>3</i>	100 [‡]	1643.78 4 ⁺	$(D+Q)^{\#}$	
	3163.43	$(3,4^+)$	743.7 <i>1</i>	100 23	2419.62 (3-)		
			1519.8 <i>I</i>	13 <i>3</i>	1643.78 4+		
			2387.7 <i>3</i>	51 <i>5</i>	775.32 2 ⁺		
	3167.15	(6)	1523.4 [‡] <i>3</i>	100 [‡]	1643.78 4+		Mult.: Q from $\gamma \gamma(\theta)$ in 208 Pb(18 O,X γ).
	3204.00	,	862.0 <i>1</i>	27 5	2341.99 (3,4+)		
			2428.7 <i>3</i>	100 8	775.32 2+		
ι	3295.2	(5,6)	439.8 <i>3</i>	100 30	2855.5 (5)	D	E_{γ} , I_{γ} , Mult.: From ²⁰⁸ Pb(¹⁸ O, X_{γ}).
			1191.2 5	40 13	2103.81 (4+)		E_{γ}, I_{γ} : From ²⁰⁸ Pb(¹⁸ O, X γ).
	3331.62	$(1,2^+)$	2556.1 <i>3</i>	100 20	775.32 2+		
			3331.7 <i>3</i>	40 20	$0.0 0^{+}$		
	3335.92	$(3,4^+)$	1692.0 <i>1</i>	16 <i>10</i>	1643.78 4 ⁺		
			1758.6 <i>1</i>	100 12	1577.43 2 ⁺		
	3341.49	(2^{+})	1697.7 <i>1</i>	25 15	1643.78 4+		
			3341.4 <i>3</i>	100 50	$0.0 0^{+}$		
	3362.13		942.5 1	90 15	2419.62 (3-)		
			1146.0 <i>I</i>	69 13	2216.08 2+		
			1784.7 <i>I</i>	46 7	1577.43 2+		
ļ	2200 10	(1.0+)	2586.9 3	100 12	775.32 2 ⁺		
	3399.19	$(1,2^+)$	1028.9 <i>I</i>	23 4	2370.26		
			1821.7 <i>I</i>	15 3	1577.43 2 ⁺		
			2624.0 3	100 4	775.32 2+		
			3399.5 3	37 5	0.0 0+		
	3553.3	(2)	1909.5 [‡]	100‡	1643.78 4+		
	3710.04	(3)	1290.4 <i>I</i>	21.2 16	2419.62 (3 ⁻)		
ļ			2132.7 3	2.8 16	1577.43 2 ⁺		
ļ	2770.70	(1- 2+)	2934.7 3	100 4	775.32 2 ⁺		
ļ	3770.78	$(1^-,2^+)$	1351.2 1	71 48	2419.62 (3 ⁻)		
			1428.8 1	100 10	2341.99 (3,4+)		
Į			2995.2 3	100 17	775.32 2 ⁺ 0.0 0 ⁺		
- 1			3770.3 <i>3</i>	29 10	$0.0 0^{+}$		

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γ (88Kr) (continued)

$E_i(level)$	\mathbf{J}_i^{π}	E_{γ}^{\dagger}	I_{γ}^{\dagger}	E_f	\mathbf{J}_f^{π}	Mult.	Comments
3904.7		609.5 4	100	3295.2	(5,6)		E_{γ} , I_{γ} : From ²⁰⁸ Pb(¹⁸ O, $X\gamma$).
3920.9	(7)	753.8 [‡] 2	100 [‡] 25	3167.15	(6)	D+Q#	
	,	760.0 [‡] 2	88 [‡] 25	3160.93		Q [#]	
4048.4	(2^{+})	2470.9 3	20 8	1577.43		Q	
	(-)	4048.2 5	100 50	0.0			
4100.34	(3^{-})	2522.87 10	100	1577.43			
4268.32	$(1^{-},2,3)$	1848.7 <i>I</i>	4.2 16	2419.62			
		3492.8 <i>3</i>	100 11	775.32	2+		
4287.7	$(1,2^+)$	3512.5 <i>3</i>	100 33	775.32			
		4287.2 5	53 23	0.0	0_{+}		
4342.6	(8)	421.6 <i>4</i>	100 <i>50</i>	3920.9	(7)		E_{γ} , I_{γ} : From 208 Pb(18 O, X_{γ}).
		1175.5 7	70 <i>30</i>	3167.15	(6)		E_{γ} , I_{γ} : From 208 Pb(18 O, X_{γ}).
4479.2		574.4 <i>4</i>	100	3904.7			E_{γ} , I_{γ} : From 208 Pb(18 O, X_{γ}).
4560.15	(1,2,3)	2983.1 <i>3</i>	100 <i>13</i>	1577.43			
		3784.3 <i>3</i>	21 10	775.32	2+		
4563.2	$(1,2^+)$	2192.9 3	5.0 16	2370.26			
		4563.3 5	100.0 20	0.0			
4596.85	$(1^-,2^+)$	2177.3 3	34 3	2419.62			
		3019.3 3	100 6	1577.43			
		3821.4 3	13.5 24	775.32			
4707.78	$(1^-,2^+)$	4596.7 5	4.1 18	0.0	0^{+}		
4/0/./8	(1,2)	2288.0 <i>3</i> 2492.0 <i>3</i>	11.8 <i>8</i> 8.2 <i>16</i>	2419.62 2216.08			
		3130.4 3	18 3	1577.43			
		3932.0 <i>3</i>	100 3	775.32			
		4707.8 5	8.2 16	0.0	0^{+}		
4857.5		936.6 4	100	3920.9	(7)		E_{γ},I_{γ} : From ²⁰⁸ Pb(¹⁸ O,X γ).
4923.51	$(1^-,2,3)$	2503.90 12	10.9 16	2419.62			2),1). 110m 10(0,11)).
.,	(- ,-,-)	2707.3 3	6.4 6	2216.08			
		4148.05 <i>13</i>	100 <i>3</i>	775.32			
4985.75	$(1,2^+)$	4209.9 5	6 3	775.32			
		4985.64 <i>16</i>	100 <i>3</i>	0.0			
5018.7	$(1,2^+)$	3440.9 <i>3</i>	13 <i>3</i>	1577.43			
		5019.5 <i>5</i>	100 4	0.0			
5070.27	$(2^+,3,4^+)$	2650.8 <i>3</i>	46 16	2419.62			
		3426.2 <i>3</i>	100 14	1643.78			
* 000 *	(4.94)	3492.8 <i>3</i>	40 20	1577.43			
5088.2	$(1,2^+)$	4312.4 5	100 9	775.32			
5102 °	(0)	5088.4 5	42 10	0.0	0+		F I F 208p (180 M)
5193.0	(9)	850 1	15 7	4342.6	(8)		E_{γ}, I_{γ} : From ${}^{208}\text{Pb}({}^{18}\text{O}, X_{\gamma})$.
5070.5	(1.0.0)	1272.1 5	100 30	3920.9	(7)		E_{γ} , I_{γ} : From 208 Pb(18 O, X_{γ}).
5270.5	(1,2,3)	4495.1 <i>5</i>	100	775.32	21		

6

γ (88 Kr) (continued)

$E_i(level)$	\mathbf{J}_i^{π}	$\mathrm{E}_{\gamma}^{\dagger}$	I_{γ}^{\dagger}	$\mathbf{E}_f \qquad \mathbf{J}_f^{\pi}$	Comments
5439.4	(1,2,3)	4663.9 5	100	775.32 2+	
5495.81	(1,2,3)	3076.4 <i>3</i>	2.8 19	2419.62 (3-)	
		3279.2 [@] 3	100 9	2216.08 2+	
		4720.9 5	88 6	775.32 2 ⁺	
5503.3	$(1,2^+)$	3161.2 3	100 33	2341.99 (3,4+)	
	())	5503.2 5	13 10	0.0 0+	
5627.1	(1,2,3)	4049.6 5	32 21	1577.43 2 ⁺	
		4851.6 5	100 7	775.32 2+	
5693.4	(1,2,3)	3273.7 <i>3</i>	100	2419.62 (3-)	
5726.2		3510.0 <i>3</i>	100	2216.08 2+	
5856.8		999.2 <i>4</i>	100	4857.5	E_{γ} , I_{γ} : From ²⁰⁸ Pb(¹⁸ O, X_{γ}).
5914.99	$(1^-,2^+,3^-)$	3495.5 <i>3</i>	100 11	2419.62 (3-)	
		3698.3 <i>3</i>	55 41	2216.08 2+	
		5915.7 <i>5</i>	23 5	$0.0 0^{+}$	
5972.9	(1,2,3)	5197.4 <i>5</i>	100	775.32 2+	
5977.47	(1,2,3)	3635.3 <i>3</i>	14 7	2341.99 (3,4+)	
		4400.0 5	70 <i>7</i>	1577.43 2 ⁺	
		5202.2 <i>5</i>	100 <i>43</i>	$775.32 \ 2^{+}$	
5988.5	(1,2,3)	3568.8 <i>3</i>	60 <i>7</i>	2419.62 (3-)	
		5213.1 5	100 9	775.32 2+	
6034.4	$(1,2^+)$	5259.3 5	38 23	775.32 2+	
6071.2	(1.0±)	6033.8 5	100 23	$0.0 0^{+}$	
6071.2	$(1,2^+)$	5295.7 5	100 6	775.32 2+	
		6071.0 5	7 4	$0.0 0^{+}$	709-119
6109.2	(4 a+)	1630 <i>I</i>	100	4479.2	E_{γ},I_{γ} : From ²⁰⁸ Pb(¹⁸ O,X γ).
6231.7	$(1,2^+)$	4015.5 5	59 10	2216.08 2+	
		5456.3 5	100 6	775.32 2+	
		6231.5 5	5 3	$0.0 0^+$	208 0 18 0 7
6233.5	(1.2.2)	1040.5 5	100	5193.0 (9)	E_{γ},I_{γ} : From ²⁰⁸ Pb(¹⁸ O,X γ).
6539.2	(1,2,3)	5763.7 5	100	775.32 2 ⁺	
6718.3	(1,2,3)	4376.2 5	100 63	2341.99 (3,4+)	
6759.0	(1.2.2)	5942.8 5	100 50	775.32 2 ⁺	
6758.0	(1,2,3)	5982.5 5	100	775.32 2+	
6999.5	$(1,2^+)$	6999.2 5	100	0.0 0+	E. J., E., 208pt/180 V.)
7490.6		1257.1 7	100	6233.5	E_{γ},I_{γ} : From ${}^{208}\text{Pb}({}^{18}\text{O},X_{\gamma})$.
7969.5		478.9 <i>4</i>	100	7490.6	E_{γ} , I_{γ} : From ²⁰⁸ Pb(¹⁸ O, X_{γ}).

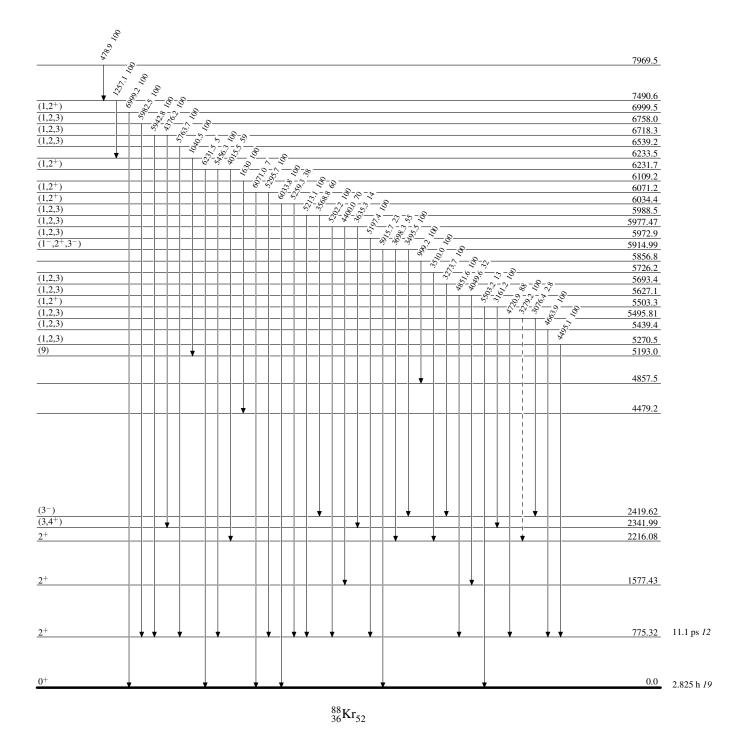
 $^{^{\}dagger}$ From $^{88}{\rm Br}\,\beta^-$ decay, unless noted otherwise. ‡ From $^{252}{\rm Cf}$ SF decay. $^{\#}$ From $\gamma\gamma(\theta)$ in $^{252}{\rm Cf}$ SF decay. $^{@}$ Placement of transition in the level scheme is uncertain.

Legend

Level Scheme

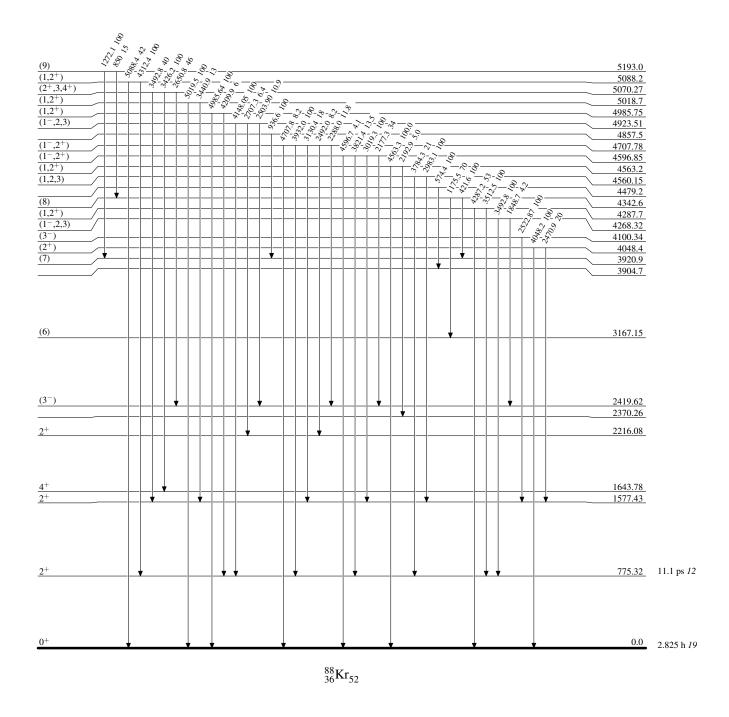
Intensities: Relative photon branching from each level

---- γ Decay (Uncertain)



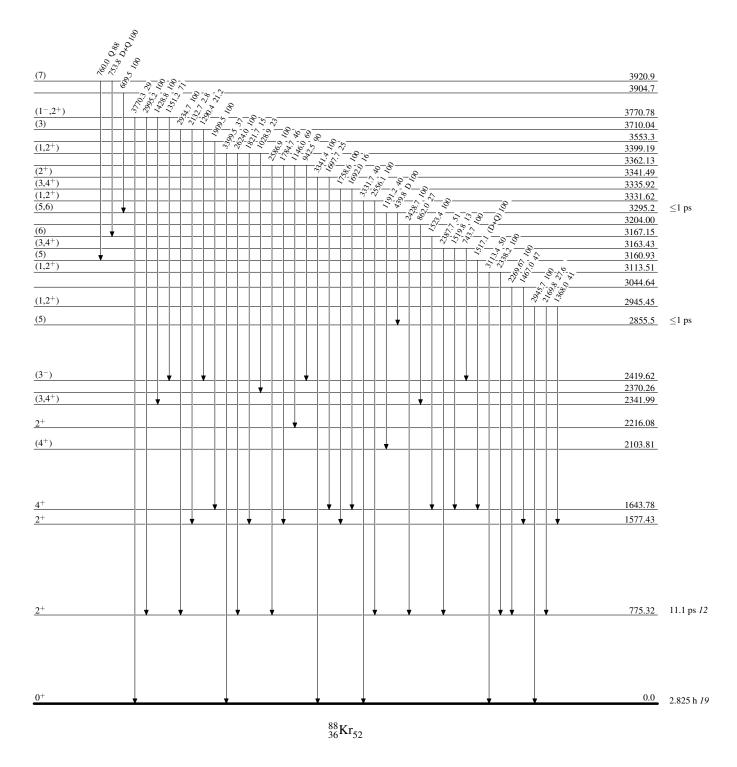
Level Scheme (continued)

Intensities: Relative photon branching from each level



Level Scheme (continued)

Intensities: Relative photon branching from each level



Level Scheme (continued)

Intensities: Relative photon branching from each level

