	History	7	
Туре	Author	Citation	Literature Cutoff Date
Full Evaluation	T. D. Johnson and W. D. Kulp(a)	NDS 129, 1 (2015)	27-Jul-2015

Parent: ⁸⁷Br: E=0.0; $J^{\pi}=5/2^{-}$; $T_{1/2}=55.65$ s 13; $Q(\beta^{-})=6818$ 3; % β^{-} decay=100.0

⁸⁷Br-Changed from $3/2^-$ due to observations from high spin experiments. See 2006Po09 for more details. $\%\beta^-n=2.60$ 4.

1983Ra21: thermal neutron fission of 235 U, mass separated fission products, GeLi detectors, γ singles spectrum and coincidences. 1977Nu04: thermal neutron fission of 235 U, radiochemical separation, measured delayed neutron and γ spectra.

1975To09: thermal neutron fission of 235 U, mass-separated fission products, GeLi and SiLi detectors, measured γ spectra and $\beta\gamma$ coincidences.

Other γ -ray spectrometry: 1966Wi03, 1970Lu06, 1971Er15, and 1975Hu02.

⁸⁷Kr Levels

%N: calculated from $\Gamma(n)$ from Adopted Levels and $\Gamma(\gamma)$ estimated (by previous evaluator, 1991Si02) to be < 0.04 keV for levels with odd parity and < 0.2 keV for levels with even parity.

E(level) [†]	J ^{π‡}
0	$5/2^{+}$
531.99 4	$1/2^+$
1419.67 <i>3</i>	$(7/2^+)$
1476.11 5	$3/2^+, 5/2^+$
1577.59 4	$9/2^{+}$
1841.41 5	$(9/2^+)$
1881.20 6	$3/2^+, 5/2^+$
2005.42 4	$3/2^+, 5/2^+$
2071.66 5	
2086.7 6	$(1/2^+)$
2105.37 9	$(11/2^+)$
2122.53 6	$3/2^+, 5/2^+$
2258.68 7	$11/2^{-1}$
2300.02 6	$(1/2^+)$
2329.9 6	
2369.48 7	
2372.35 6	$(3/2^+, 5/2^+)$
2451.91 5	
2462.86 10	
2498.59 5	
2513.74 9	
2518.69 8	7/2+
2547.1 3	
2565.9 6	
2605.78 16	
2641.74 6	
2715.24 10	
2757.72 8	
2787.33 11	$3/2^+, 5/2^+$
2821.06 6	
2832.1 6	
2836.55 5	(3/2, 5/2)
2863.26 10	
3004.0 <i>3</i>	
3020.81 16	
3026.85 4	

87 Br β^- decay 1983Ra21,1977Nu04,1975To09 (continued)

⁸⁷Kr Levels (continued)

E(level) [†]	$J^{\pi \ddagger}$	Comments
3080.78 15		
3142.91 15		
3217.87 5		
3225.97 10		
3237.19 10		
3288.4 <i>3</i>		
3297.13 21		
3301.9 4		
3434.75 11		
3444.9? 3		E(level): a question mark in Table V of 1983Ra21 indicates that this level may be considered
2550 7 2		tentative.
3559.7 3		
3645.48 7	3/2,5/2,7/2	
3657.3 10		
3689.1 5		
3807.02 11		
3809.41 15		
38/4.18 8	3/2,5/2,7/2	
3917.16 10	3/2,5/2,7/2	
3923.0 6		
4027.2.5		
4180.82 6	3/2 ⁽⁻⁾ ,5/2,7/2	
4192.1 10		
4197.91 11		
4204.1 15		
4226.34 9		
4265.1 6	כוד רוב רוב	
4327.22 10	3/2,5/2,7/2	
4416.93 6	3/2 ⁽⁻⁾ ,5/2,7/2	
4524.15 15	3/2,5/2,7/2	
4572.49 15	3/2,5/2,7/2	
4595.52 6	3/2 ⁽⁻⁾ ,5/2,7/2	
4620.90 20	3/2,5/2,7/2	
4644.58 13	3/2('),5/2,7/2	
4668.21 8	3/2 ⁽⁻⁾ ,5/2,7/2	
4710.35 6	5/2+,7/2	
4711.26 10 4728 2 10	3/2,5/2,7/2	
4734.55 19	3/2,5/2,7/2	
4752.71 20	3/2,5/2,7/2	
4784.46 <i>14</i> 4807 9 <i>4</i>	$3/2^{(-)}, 5/2, 7/2$	
4824.9 4	1/2,3/2,5/2	
4836.29 20	3/2,5/2,7/2	
4858.87 13	3/2(-),5/2,7/2	

				⁸⁷ Kr Levels (continued)
E(level) [†]	$\mathrm{J}^{\pi \ddagger}$	T _{1/2}	E(level) [†]	$J^{\pi \ddagger}$
4872.05 15	3/2,5/2,7/2		5280.72 14	3/2,5/2,7/2
4889.4 5			5302.56 21	$3/2, 5/2^{(+)}$
4917.7 11	3/2,5/2,7/2		5340.2 3	3/2,5/2,7/2
4925.7 7	3/2,5/2,7/2		5370.1 <i>3</i>	3/2,5/2,7/2
4961.56 7	$3/2^{(-)}, 5/2, 7/2$	50 ns 25	5383.1 <i>3</i>	3/2,5/2,7/2
4962.43 21	3/2,5/2,7/2		5406.34 20	3/2,5/2,7/2
4976.1 9			5419.9 5	
5003.2 5			5424.2 9	
5021.7 3	3/2,5/2,7/2		5439.9 9	
5033.9 6			5454.9 <i>3</i>	3/2,5/2,7/2
5044.7 <i>3</i>	3/2,5/2,7/2		5466.79 <i>13</i>	$3/2, 5/2, 7/2^{(-)}$
5059.69 20	3/2,5/2,7/2		5473.74 20	3/2,5/2,7/2
5065.9 <i>3</i>	<i>(</i>)		5546.7 6	$(5/2^{-})$
5076.19 17	$3/2^{(-)}, 5/2, 7/2$		5561.9 9	5/2-
5088.9 4			5594.7 <i>3</i>	$(5/2^{-})$
5103.55 20	3/2,5/2,7/2		5606.4 5	3/2-
5120.39 20	3/2,5/2,7/2		5635.2 5	$(5/2^{-})$
5136.08 20	3/2,5/2,7/2		5648.8 9	$(5/2^{-})$
5155.1 0			5659.9 4	(5/2)
5183.4 3	3/2, 5/2, 1/2		56/2.3 4	(5/2)
5195.25 18	3/2,5/2,7/2		5685.6 3	(5/2)
5201.21 18	3/2, 3/2, 1/2		57145 0	(5/2)
5214.2/14	3/2 ,5/2 ,1/2		5/14.5 9	(5/2)
5245.0 5	3/2,3/2,1/2		5/95.14	(3/2)

 87 Br β^- decay

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1983Ra21,1977Nu04,1975To09 (continued)

[†] From least-squares fit to γ energies. [‡] From ⁸⁷Kr Adopted Levels. Arguments made are from logft values presented here and connecting γ transitions.

β^- radiations

IB,LOGFT As noted by 1983Ra21, for this complex decay scheme with many unplaced γ rays with $I_{\gamma} > 0.1\%$, the computed intensities of the weak β branches, for example, $I_{\beta} < 0.3\%$, may be unreliable.

E(decay)	E(level)	$I\beta^{-\dagger\ddagger}$	Log ft	Comments
(1025 3)	5793.1	0.068 9	6.21 7	av E <i>β</i> =382 8
(1104 3)	5714.5	0.0065 13	7.34 9	av $E\beta = 415 8$
(1119 3)	5698.8	0.018 2	6.93 6	av E β =422 8
(1132 3)	5685.6	0.11 <i>1</i>	6.16 5	av E β =428 8
(1146 3)	5672.3	0.039 4	6.63 6	av $E\beta = 434.8$
(1158 3)	5659.9	0.027 3	6.80 6	av E β =439 8
(1169 3)	5648.8	0.006 2	7.47 15	av $E\beta = 444$ 8
(1183 3)	5635.2	0.040 5	6.67 6	av E β =450 8
(1212 3)	5606.4	0.049 6	6.62 6	av $E\beta = 463 8$
(1223 3)	5594.7	0.061 5	6.54 5	av E β =468 8
(1256 3)	5561.9	0.022 7	7.03 14	av E β =482 8
(1271 3)	5546.7	0.033 5	6.87 7	av $E\beta = 489 8$
(1344 3)	5473.74	0.38 <i>3</i>	5.90 4	av E β =521 8
(1351 3)	5466.79	0.72 7	5.63 5	av $E\beta = 524 8$
(1363 3)	5454.9	0.19 2	6.23 5	av E β =529 8
(1378 3)	5439.9	0.010 3	7.52 14	av E β =536 8

 $^{87}_{36}$ Kr₅₁-4

⁸⁷Br $β^-$ decay 1983Ra21,1977Nu04,1975To09 (continued)

 β^- radiations (continued)

E(decay)	E(level)	Ιβ ^{-†‡}	Log ft	Comments
(1394 3)	5424.2	0.029 10	7.08 16	av Eβ=543 8
(1398 3)	5419.9	0.047 15	6.87 14	av $E\beta = 545 8$
(1412 3)	5406.34	0.21 5	6.24 11	av $E\beta = 551.8$
(1435 3)	5383.1	0.15 2	6.41 7	av E β =561 8
(1448 3)	5370.1	0.14 2	6.46 7	av Eβ=567 8
(1478 3)	5340.2	0.14 2	6.49 7	av E β =580 8
(1515 3)	5302.56	0.26 3	6.27 6	av E β =597 8
(1537 3)	5280.72	0.56 8	5.96 7	av E β =607 9
(1572 3)	5245.6	0.18 2	6.49 6	av $E\beta = 623 9$
(1604 3)	5214.27	1.18 8	5.71 4	av $E\beta = 637.9$
(16173)	5201.21	0.83 6	5.87 4	av $E\beta = 643.9$
(1623 3)	5195.25	0.95 7	5.82 4	av E β =646 9
(1635 3)	5183.4	0.18 2	6.56 0	av $E\beta = 651.9$
(1663 3)	5155.1	0.04 1	1.24 11	av $E\beta = 664.9$
(1082.3)	5130.08	0.10 2	0.00 0	$av E \beta = 672.9$
(1098.5) (1714.3)	5103 55	0.35 J	6.26.5	av = be - 687.0
$(1714 \ 3)$ $(1720 \ 3)$	5088.0	0.43 4	6.06.6	$aV E \rho = 607.9$
(1742, 3)	5076 19	0.45 4	6 27 5	av $E\beta = 700.9$
(1752 3)	5065.9	0.757	7 10 5	av $F\beta = 704.9$
(1752 3)	5059.69	0.28.3	6 49 5	av $E\beta = 707.9$
(1773.3)	5044.7	0.44 4	6.31.5	av $E\beta = 714.9$
(1784.3)	5033.9	0.046 10	7.30 10	av $E\beta = 719.9$
(1796 3)	5021.7	0.16 3	6.77 9	av E β =725 9
(1815 3)	5003.2	0.054 4	7.26 4	av E β =733 9
(1842 3)	4976.1	0.070 20	7.17 13	av E β =745 9
(1856 3)	4962.43	0.19 3	6.75 7	av E β =752 9
(1856 3)	4961.56	3.14 13	5.53 <i>3</i>	av E β =752 9
(1892 3)	4925.7	0.18 4	6.81 10	av E β =769 9
(1900 3)	4917.7	0.13 4	6.96 14	av E β =772 9
(1929 3)	4889.4	0.082 20	7.18 11	av E β =785 9
(1946 3)	4872.05	0.45 3	6.46 4	av $E\beta = 793.9$
(1959 3)	4858.87	0.60 5	6.35 4	av $E\beta = 799.9$
(1982 3)	4836.29	0.220 20	6.80 5	av $E\beta = 810.9$
(1993 3)	4824.9	0.140 20	/.01 /	av $E\beta = 815.9$
$(2010 \ 3)$	4807.9	0.150 20	0.99 0 5 02 2	$av E \beta = 82.5 9$
$(2054 \ 3)$	475271	1.88 10	5.92 5 6 71 5	av = 634.9
(2003 3)	4734 55	0.32.5	6.69.6	$av E \beta = 857.0$
(2003 3)	4728.2	$0.051 \ 20$	7 53 18	av $E\beta = 860.9$
(2107 3)	4711.26	0.34 3	6.72 5	av $E\beta = 868.9$
(2108.3)	4710.35	3.21 14	5.75 3	av $E\beta = 868.9$
(2150 3)	4668.21	0.83 7	6.4	av E β =888 9
(2163 3)	4655.2	0.130 10	7.19 4	av $E\beta = 894.9$
(2173 3)	4644.58	0.95 7	6.34 4	av E β =899 9
(2197 3)	4620.90	0.44 4	6.68 5	av $E\beta = 910 9$
(2222 3)	4595.52	2.32 12	5.98 <i>3</i>	av E β =922 9
(2246 3)	4572.49	0.88 6	6.42 4	av E β =932 9
(2270 3)	4548.29	0.120 9	7.31 4	av E β =944 9
(2294 3)	4524.15	0.39 4	6.81 5	av E β =955 9
(2401 3)	4416.93	3.38 22	5.96 4	av $E\beta = 1005 \ 9$
(24913)	4327.22	0.98 0	0.30 3	$av E\beta = 10479$
(2521.5)	4297.29	0.554	0.85 4	av $E\beta = 1001.9$
(23333) (25023)	4203.1	0.110 20 0.11 2	1.30 0	$av E \rho = 1077.9$ $av E \rho = 1005.0$
(2392.3) (2595.3)	4220.34 4223 A	0.11.5	1.30 12 7 75 5	$av E \beta = 1095 \sigma$
(2614 3)	4204 1	0.23 9	7.28.17	av $E\beta = 1105.9$
(2011.5)	1201.1	5.25 /	/.20 1/	

 β^- radiations (continued)

E(decay)	E(level)	Iβ ^{-†‡}	Log ft	Comments	
(2620 3)	4197.91	0.31 4	7.15 6	av $E\beta = 1108.9$	
(2626 3)	4192.1	0.077 20	7.76 12	av $E\beta = 11119$	
(2637 3)	4180.82	4.6 <i>3</i>	5.99 <i>3</i>	av $E\beta = 1116 \ 9$	
(2682 3)	4136.3	0.26 8	7.27 14	av $E\beta = 1137 \ 9$	
(2791 3)	4027.2	0.092 20	7.80 10	av $E\beta = 1189 \ 9$	
(2895 3)	3923.0	0.12 4	7.75 15	av E β =1238 9	
(2901 3)	3917.16	1.94 <i>11</i>	6.54 <i>3</i>	av E β =1241 9	
(2908 3)	3909.8	0.13 3	7.72 10	av $E\beta = 1245 \ 9$	
(2944 3)	3874.18	0.85 6	6.93 4	av $E\beta = 1261.9$	
$(3009\ 3)$	3809.41	0.76.6	7.02.4	av $E\beta = 1292.9$	
(3011 3)	3807.02	0.22 5	1.30 10	av $E\beta = 1293.9$	
(3041.3) (3120.3)	3///.4	0.15 5	7.74.13	av $E\rho = 1307.9$	
(3129.3) (3161.3)	3657.3	0.10.4	7.00.13	$av E \beta = 1350.9$	
$(3101 \ 3)$ $(3173 \ 3)$	3645.48	0.10 5	7.99.13	av EB = 1303.9	
(3219 3)	3599.00	0.110.9	7.00 7	$av E\beta = 1392.9$	
(3258 3)	3559.7	0.047 4	8.37 4	av $E\beta = 1411 9$	
(3373 3)	3444.9?	0.100 20	8.11 9	av $E\beta = 1466 \ 9$	
(3383 3)	3434.75	0.39 <i>3</i>	7.53 4	av $E\beta = 1471 \ 9$	
(3456 3)	3361.9	0.11 3	8.11 12	av $E\beta = 1506 9$	
(3516 3)	3301.9	0.72 11	7.33 7	av E β =1534 9	
(3521 3)	3297.13	0.110 10	8.15 4	av E β =1537 9	
(3530 3)	3288.4	0.130 20	8.08 7	av E β =1541 9	
(3561 3)	3256.64	3.69 23	6.65 3	av $E\beta = 1556 9$	
(3581 3)	3237.19	0.210 20	7.90 5	av $E\beta = 1565 9$	
(3592.3)	3225.97	0.62 5	7.44 4	av $E\beta = 1571.9$	
(3600 3)	3217.87	1.30 8	7.12 3 9 11 7	av $E\beta = 1575 9$	
(3040 3) (3675 3)	31/1.80	0.140 20	0.11 / 8 07 3	$av E \rho = 1597.9$	
(3073 3)	3080 78	0.100 10	8.07.5 8.07.6	$av E \beta = 1610 9$	
(3791 3)	3026.85	5 24 19	6.61.2	av $E\beta = 1666.9$	
(3797 3)	3020.81	0.140 20	8.19 7	av $E\beta = 1669.9$	
(3814 3)	3004.0	0.073 11	8.48 7	av $E\beta = 1677 \ 9$	
(3955 3)	2863.26	0.22 4	8.07 8	av $E\beta = 1745 9$	
(3981 3)	2836.55	5.6 <i>3</i>	6.68 <i>3</i>	av $E\beta = 1758 \ 9$	
(3986 3)	2832.1	0.070 20	8.58 13	av E β =1760 9	
(3997 <i>3</i>)	2821.06	1.94 10	7.13 7	av E β =1755 58	
(4031 3)	2787.33	0.160 20	8.24 6	av E β =1781 9	
(4060 3)	2757.72	0.74 5	7.59 3	av $E\beta = 1796 \ 9$	
(4103 3)	2/15.24	0.190 20	8.20 5	av $E\beta = 1816.9$	
(41/0.3)	2641.74	0.44 / 0.082 / 0.082	1.8/ /	av $E\beta = 1851.9$	
(4212.5) (4252.3)	2003.78	$0.082 \ 10$ 0.16 4	8.02 0 8.34 11	$av E \beta = 1809.9$	
$(4252 \ 5)$ $(4271 \ 3)$	2505.9	0.10 4	7 98 5	$av E \beta = 1807 \ 9$	
(42713) (42003)	2518.69	0.74 7	$9 4^{1u}$	$av E\beta = 1017 9$	
(4304 3)	2513.74	0.777	8 11 4	$av E\beta = 1913 9$	
(4319.3)	2498.59	1.31.7	7.46.3	av $E\beta = 1920.9$	
(4355 3)	2462.86	0.29 3	8.13.5	av $E\beta = 1937.9$	
(4366 3)	2451.91	1.24 10	7.51 4	av $E\beta = 1943 \ 9$	
(4446 3)	2372.35	2.15 13	7.30 <i>3</i>	av $E\beta = 1981 \ 9$	
(4449 3)	2369.48	0.96 9	7.65 5	av Eβ=1982 9	
(4488 3)	2329.9	0.050 20	8.95 18	av E β =2002 9	
(4518 3)	2300.02	0.68 5	7.83 4	av E β =2016 9	
(4559 3)	2258.68	0.41 5	8.07 6	av $E\beta = 2036 9$	
(4695 3)	2122.53	0.55 11	8.00 9	av $E\beta = 2101.9$	
(4713 3)	2105.37	0.200 20	8.44 5	av $E\beta = 2110.9$	
(4/31/3)	2086./	0.11.0	8./1 24	av $Ep=2119.9$	

				β radiations (continued)
E(decay)	E(level)	Ι <i>β</i> -†‡	Log <i>ft</i>	Comments
(4746 3)	2071.66	223	7 42 6	$av E \beta - 2126.0$
(4813 3)	2005.42	0.6 5	8.0 4	av $E\beta = 2128 \ \beta$ av $E\beta = 2158 \ \beta$
(4937 3)	1881.20	2.26 21	7.48 4	av $E\beta = 2218 \ 9$
(5240 3)	1577.59	1.1 5	7.91 20	av E β =2365 9
(5342 3)	1476.11	1.7 7	7.76 18	av E β =2414 9
(5398 3)	1419.67	4.8 16	7.33 15	av $E\beta = 2441 9$
(6286 3)	531.99	1.2 5	8.23 19	av $E\beta = 2870 98$
(6818 3)	0	12.0 19	7.39 7	av $E\beta = 3127.9$

 β^{-} radiations (continued)

[†] From γ -ray intensity balances.

[‡] Absolute intensity per 100 decays.

$\gamma(^{87}\mathrm{Kr})$

I γ normalization: 1983Ra21 normalize I $_{\gamma}$ to the absolute intensity of 22.0 *15* γ 's per 100 decays for the 1419 γ , as reported to them by P. Hoff, based on absolute γ and β count rate measurements. 1975To09 give 12 2 and 1977Nu04 31.2 3 for the same intensity. The latter value cannot be correct since it leads to a ground-state feeding of 123%.

$E_{\gamma}^{\dagger\ddagger}$	I_{γ} # <i>a</i>	E _i (level)	\mathbf{J}_i^{π}	E_f	${ m J}_f^\pi$
^x 93.54 7	0.130 9				
^x 121.42 7	0.036 4				
^x 175.59 10	0.052 9				
^x 190.29 7	0.078 10				
230.33 9	0.54 4	2071.66		1841.41	$(9/2^+)$
263.96 7	0.20 2	2105.37	$(11/2^+)$	1841.41	$(9/2^+)$
x346.06 7	0.080 6				,
^x 380.14 7	0.15 <i>I</i>				
x389.14 20	0.031 6				
421.74 10	3.2 3	1841.41	$(9/2^+)$	1419.67	$(7/2^+)$
^x 447.61 15	0.10 2				
^x 454.4 5	0.031 10				
461.52 7	0.43 <i>3</i>	1881.20	$3/2^+, 5/2^+$	1419.67	$(7/2^+)$
^x 493.39 7	0.100 9				
529.60 15	1.3 2	2005.42	$3/2^+, 5/2^+$	1476.11	$3/2^+, 5/2^+$
532.03 7	5.4 4	531.99	$1/2^{+}$	0	5/2+
555.72 7	0.047 4	3559.7		3004.0	
^x 583.6 5	0.09 3				
^x 600.44 15	0.086 10				
610.46 7	0.60 6	2451.91		1841.41	$(9/2^+)$
611.5 8	0.24 6	2086.7	$(1/2^+)$	1476.11	$3/2^+, 5/2^+$
^x 614.2 9	0.05 3				
617.5 <i>3</i>	0.12 4	2498.59		1881.20	$3/2^+, 5/2^+$
636.39 8	0.16 1	2641.74		2005.42	$3/2^+, 5/2^+$
651.96 7	1.10 8	2071.66		1419.67	$(7/2^+)$
681.22 8	0.38 <i>3</i>	2258.68	$11/2^{-}$	1577.59	$9/2^{+}$
^x 685.9 7	0.038 20				
^x 692.5 4	0.031 2				
698.59 9	0.14 1	2821.06		2122.53	$3/2^+, 5/2^+$
714.09 7	0.19 <i>1</i>	2836.55	(3/2,5/2)	2122.53	3/2+,5/2+
^x 719.46 10	0.060 7				
724.57 15	0.082 10	2605.78		1881.20	3/2+,5/2+

			87 Br β^- decay	1983R	a21,1977Nu04	,1975To09 (continued)	
				$\gamma(^{87}$	Kr) (continued	1)	
${\rm E_{\gamma}}^{\dagger\ddagger}$	$I_{\gamma}^{\#a}$	E _i (level)	J_i^π	E_f	J_f^π		Comments
737.96 7	0.47 3	3256.64		2518.69	7/2+		
x798.6 3	0.038 9	2200.02	$(1/2^{+})$	1476-11	2/2+ 5/2+		
824.0 5	1.30 9	2836.55	(1/2) (3/2.5/2)	2005.42	$3/2^+, 5/2^+$		
x834.8 4	0.17 7		(-,-,-,-)		-1- ,-1-		
853.6 6	0.10 4	3225.97		2372.35	$(3/2^+, 5/2^+)$		
853.8 0 ^x 860.00.15	$0.05\ 2$ $0.020\ 3$	2329.9		14/6.11	3/2',5/2'		
874.30 7	0.39 3	2451.91		1577.59	$9/2^{+}$		
^x 878.3 5	0.028 9				-		
^x 889.9 7	0.06 3	2260 49		1476 11	2/2+ 5/2+		
895.429	0.40.5	2309.40	$(3/2^+ 5/2^+)$	1476.11	3/2, $3/23/2^+ 5/2^+$		
x907.86 20	0.15 5	2312.33	(3/2 ,3/2)	14/0.11	5/2 ,5/2		
920.98 7	0.52 4	2498.59		1577.59	9/2+		
940.8 6	0.15 5	3777.4	2/2+ 5/2+	2836.55	(3/2, 5/2)		
944.12 / 952.66.15	1.4 I 0 74 7	14/6.11	$\frac{3}{2}, \frac{5}{2}$	531.99 1419.67	$\frac{1}{2^{+}}$		
955.1 <i>3</i>	0.36 7	3026.85	(3/2 ,3/2)	2071.66	(1/2)		
^x 963.9 3	0.074 10						
^x 987.8 3	0.048 2						
x998.6.3	0.013 2						
^x 1009.2 3	0.048 10						
^x 1017.7 3	0.10 2	2026.05		2005 12	2 12 + 5 12 +		
1021.26 7	1.30 9	3026.85		2005.42	$3/2^+, 5/2^+$ $3/2^+, 5/2^+$		
^x 1041.77 <i>10</i>	0.29 2	2313.74		1470.11	5/2 ,5/2		
1043.3 6	0.12 4	3301.9		2258.68	$11/2^{-}$		
1044.3 6	0.06 2	4961.56	3/2 ⁽⁻⁾ ,5/2,7/2	3917.16	3/2,5/2,7/2		
*1060.69 15 *1064 75 15	0.089 10						
1078.88 9	0.10 1	2498.59		1419.67	$(7/2^+)$		
1095.16 15	0.093 10	3217.87		2122.53	3/2+,5/2+		
1099.88 10	0.099 10	2518.69	7/2+	1419.67	$(7/2^+)$	E_{γ} : The transition is a in the least square a levels. That adjustr	poor fit and is not included djustment to fit the energy nent gives 1099.04 8.
^x 1113.05 20	0.044 9						
*1120.19 <i>15</i> 1126.78 <i>1</i> 5	0.072 9	3645 48	3/2 5/2 7/2	2518 69	7/2+		
^x 1139.7 4	0.033 10	50-1510	5/2,5/2,7/2	2510.07	112		
1146.2 6	0.16 4	2565.9		1419.67	$(7/2^+)$		
1146.3 6	0.15 4	3217.87		2071.66			
^x 1198.1.3	0.15 2						
1212.60 9	0.19 2	3217.87		2005.42	3/2+,5/2+		
^x 1220.7 4	0.038 10						
~1225.58 <i>15</i> ×1255 1 5	0.091 20						
x1276.4 4	0.045 10						
1285.66 9	0.22 4	2863.26		1577.59	9/2+		
1291.7 2 x1208 6 5	0.11 1	3297.13		2005.42	3/2+,5/2+		
1296.0 5	0.058 20	2787.33	$3/2^+.5/2^+$	1476.11	$3/2^+.5/2^+$		
1330.43 15	0.14 2	3171.86	-11-	1841.41	$(9/2^+)$		
1338.03 7	0.74 5	2757.72		1419.67	$(7/2^+)$		

		_	DI p uccuy	17051(421	,1)///(004,1)/010
				$\gamma(^{87}\mathrm{Kr})$	(continued)
$E_{\gamma}^{\dagger \ddagger}$	$I_{\gamma}^{\#a}$	E_i (level)	${ m J}_i^\pi$	E_f	J_f^π
1344.60 15	0.21 2	4180.82	$3/2^{(-)}, 5/2, 7/2$	2836.55	(3/2, 5/2)
1349.19 7	0.45 3	1881.20	3/2+,5/2+	531.99	1/2+
1355.1 6	0.10 3	3874.18	3/2,5/2,7/2	2518.69	7/2+
1356.0 6	0.07 2	2832.1		1476.11	3/2+,5/2+
1360.59 20	3.4 2	2836.55	(3/2, 5/2)	1476.11	$3/2^+, 5/2^+$
^x 1366.4 4	0.062 20				in in Li
1376.08 15	0.10 1	3217.87		1841.41	$(9/2^+)$
1389.77 7	0.11 3	4226.34		2836.55	(3/2, 5/2)
1415.43 15	1.5 2	3256.64		1841.41	$(9/2^+)$
1419.71 7	22.0 15	1419.67	$(1/2^{+})$	0	5/21
[~] 1430.2 4	0.021 3	2020.91		1577 50	0/2+
1445.21 15	0.14 2	3020.81		1577 50	9/2 $0/2^+$
x1464 05 15	0.16.3	5020.85		1377.39	9/2
x1471 68 15	0.10 5				
1476.06.7	796	1476 11	$3/2^{+} 5/2^{+}$	0	5/2+
^x 1488.39 10	0.015 9	11/0111	0/= ,0/=	Ŭ	0/=
1493.38 8	0.34 3	4711.26	3/2,5/2,7/2	3217.87	
x1496.80 20	0.061 7		-1)-1)-1		
^x 1551.7 2	0.061 7				
^x 1554.58 15	0.11 1				
^x 1561.0 4	0.0053 20				
1577.60 7	6.0 4	1577.59	9/2+	0	5/2+
^x 1602.0 4	0.094 20				
1607.32 7	1.40 9	3026.85		1419.67	$(7/2^+)$
1640.24 ⁶ 20	0.18 ⁰ 3	3217.87		1577.59	9/2+
1640.24 ^b 20	0.18 ^b 3	3645.48	3/2,5/2,7/2	2005.42	$3/2^+, 5/2^+$
^x 1655.3 4	0.059 10		, , , , ,		
1659.58 9	0.21 2	3237.19		1577.59	9/2+
1685.58 15	0.19 2	4327.22	3/2,5/2,7/2	2641.74	
^x 1744.3 5	0.069 20				
^x 1759.32 15	0.12 1				
1768.07 7	0.56 4	2300.02	$(1/2^+)$	531.99	1/2+
^x 1781.2 4	0.13 4				
x1796.2 7	0.14 9	2215.05		1 410 67	(7.12+)
1798.31 7	0.60 4	3217.87		1419.67	$(1/2^{+})$
^1831.5 3	0.20 2	2256 64		1410 (7	$(7/2^{\pm})$
1830.78 /	1.4 1	3230.04	(2/2 + 5/2 +)	521.00	$(1/2^{+})$
1840.10 13 x1847 3 3	0.38 4	2512.55	(3/2 ,3/2)	331.99	1/2
1868 7 3	0.12.2	3288.4		1419 67	$(7/2^+)$
1881 20 20	192	1881 20	3/2+ 5/2+	0	(7/2)) 5/2 ⁺
1882.2.4	0.60.10	3301.9	5/2 ,5/2	1419 67	$(7/2^+)$
^x 1899.9 4	0.05 /	0001.9		1112.07	(1/2)
^x 1906.8 3	0.076 10				
1934.67 8	0.22 2	4961.56	$3/2^{(-)}.5/2.7/2$	3026.85	
^x 1947.9 3	0.084 20		, , , , , , , , , =		
^x 1953.6 4	0.064 10				
1958.23 15	0.16 2	3434.75		1476.11	3/2+,5/2+
1965.58 9	0.22 5	3807.02		1841.41	(9/2+)
2005.52 7	5.3 4	2005.42	3/2+,5/2+	0	5/2+
^x 2022.6 3	0.11 2				
^x 2035.42 15	0.077 8				
x2066.3 3	0.15 3	00-1		2	5/2+
20/1.66 7	2.3 2	2071.66		0	5/2+
~2080.9 4	0.086 20				

87 Br β^- decay	1983Ra21,1977Nu04,1975To09 (continued)

87 Br β^- decay 1983Ra21,1977Nu04,1975To09 (continued)

				$\gamma(^{87}\text{Kr})$ (continued)		
${\rm E}_{\gamma}^{\dagger \ddagger}$	$I_{\gamma}^{\#a}$	E _i (level)	J_i^π	E_f	J_f^π	Mult.
^x 2092.84 15	0.058 7					
^x 2107.90 20	0.13 2					
^x 2110.23 <i>15</i>	0.099 10					
~2119.9 3 2122 62 0	0.19 0	2122 53	3/2+ 5/2+	0	5/2+	
2122.02 9	0.19.3	4962.43	3/2 5/2 7/2	2836 55	(3/2, 5/2)	
x2138.7 3	0.12 2	1902.15	3/2,3/2,7/2	2000.00	(3/2,3/2)	
2143.40 15	0.25 3	4595.52	$3/2^{(-)}, 5/2, 7/2$	2451.91		
2169.30 7	0.55 4	3645.48	3/2,5/2,7/2	1476.11	3/2+,5/2+	
^x 2175.4 3	0.088 20					
2192.46 10	0.31 4	4197.91		2005.42	$3/2^+, 5/2^+$	
2226.1 3	0.15 3	3645.48	3/2,5/2,7/2	1419.67	$(7/2^{+})$	
*2254.23 15	0.19 2	2250 60	11/2-	0	5/2+	[[2]
2238.44 10	0.15 I 0.31 2	2238.08	$(1/2^+)$	0	5/2 5/2 ⁺	[E3]
x2318.6.3	0.051 10	2300.02	(1/2)	0	5/2	
x2339.90 15	0.12 /					
2345.3 4	0.37 6	4416.93	$3/2^{(-)}.5/2.7/2$	2071.66		
2345.4 6	0.12 4	3923.0		1577.59	$9/2^{+}$	
2369.39 10	0.56 8	2369.48		0	5/2+	
2372.38 7	1.00 8	2372.35	$(3/2^+, 5/2^+)$	0	5/2+	
2398.01 7	0.45 3	3874.18	3/2,5/2,7/2	1476.11	$3/2^+, 5/2^+$	
2411.74 15	0.13 1	4416.93	$3/2^{(-)}, 5/2, 7/2$	2005.42	$3/2^+, 5/2^+$	
^x 2417.76 <i>15</i>	0.18 2					
x2434.30 15	0.12 1					
2446.2 3	0.12 2	4327.22	3/2,5/2,7/2	1881.20	3/2 ,5/2	
2451.88 10	0.6/5	2451.91	בוד בוז בוז	0	$\frac{5}{2}$	
2454.70 20	0.30 3	2462.86	5/2,5/2,7/2	1419.07	(1/2) $5/2^+$	
^x 2469.4 3	0.059 9	2402.00		0	5/2	
2498.58 7	0.57 4	2498.59		0	$5/2^{+}$	
2509.63 20	0.17 2	4961.56	$3/2^{(-)}, 5/2, 7/2$	2451.91	,	
2519.0 4	1.30 9	2518.69	7/2+	0	$5/2^{+}$	
2523.97 10	0.31 3	4595.52	$3/2^{(-)}, 5/2, 7/2$	2071.66		
^x 2536.2 9	0.07 3					
2547.1 3	0.38 4	2547.1		0	$5/2^{+}$	
*2570.8 3	0.12 2				(0.1 0 +)	
2575.37.9	0.58 5	4416.93	3/2(-),5/2,7/2	1841.41	$(9/2^+)$	
x2590.03 15	0.13 1					
2590.5 5	0.099 10	1100 02	2/2(-) 5/2 7/2	1577 50	0/2+	
x2607.1.3	0.41 5	4100.02	5/2 ,5/2,7/2	1377.39	9/2	
x2622.77.15	0.053 6					
2638.7 4	0.43 7	4710.35	$5/2^+.7/2$	2071.66		
2639.0 6	0.12 4	5280.72	3/2,5/2,7/2	2641.74		
2641.67 8	0.59 5	2641.74		0	5/2+	
2662.79 15	0.34 5	4668.21	$3/2^{(-)}, 5/2, 7/2$	2005.42	3/2+,5/2+	
^x 2688.79 15	0.033 20					
2693.94 10	0.41 3	3225.97		531.99	1/2+	
2704.88 7	1.7 1	4710.35	5/2+,7/2	2005.42	3/2+,5/2+	
~2709.2 3	0.13 2	2715 24		0	5/2+	
2/13.19 10 X27/A 7 6	0.19 2	2/13.24		U	3/2	
275431	0.013 3	4595 52	3/2(-) 5/2 7/2	1841 41	$(9/2^+)$	
x2811.3 6	0.16 4	т.),),,),2	5/2 ,5/2,7/2	10-11-1	$(\gamma_{1} \neq \beta)$	

		-	DI p uecay	1903Ka21	,197711004,1975100	
				γ ⁽⁸⁷ Kr) (continued)		
$E_{\gamma}^{\dagger\ddagger}$	$I_{\gamma}^{\#a}$	E _i (level)	J_i^π	E_f	J_f^{π}	
2820.97 7	1.8 1	2821.06		0	5/2+	
2828.79 20	0.20 2	4710.35	$5/2^+, 7/2$	1881.20	$3/2^+, 5/2^+$	
2836.36 7	1.4 <i>1</i>	2836.55	(3/2,5/2)	0	5/2+	
^x 2853.35 15	0.089 8					
^x 2862.9 4	0.065 10					
2869.20 15	0.24 2	4710.35	$5/2^+, 7/2$	1841.41	$(9/2^+)$	
2889.8 4	0.10 2	4961.56	$3/2^{(-)}, 5/2, 7/2$	2071.66		
^x 2901.0 5	0.086 20					
2907.46 15	0.40 4	4327.22	3/2,5/2,7/2	1419.67	$(7/2^+)$	
^x 2914.6 7	0.088 20					
x2922.6 4	0.10 2					
^x 2925.6 3	0.033 7					
^x 2931.64 <i>15</i>	0.14 4					
2943.0 <i>3</i>	0.077 10	4784.46	$3/2^{(-)}, 5/2, 7/2$	1841.41	$(9/2^+)$	
^x 2967.05 10	0.06 3					
^x 2970.8 8	0.09 3					
2997.21 7	2.3 2	4416.93	$3/2^{(-)}, 5/2, 7/2$	1419.67	$(7/2^+)$	
3003.9 <i>3</i>	0.12 1	3004.0		0	5/2+	
3017.39 15	0.27 2	4858.87	$3/2^{(-)}, 5/2, 7/2$	1841.41	$(9/2^+)$	
3026.77 7	1.30 9	3026.85		0	5/2+	
x3039.9 4	0.047 10					
3048.04 20	0.10 1	4524.15	3/2,5/2,7/2	1476.11	$3/2^+, 5/2^+$	
3066.85 15	0.13 1	4644.58	$3/2^{(-)}, 5/2, 7/2$	1577.59	9/2+	
3080.72 15	0.17 2	3080.78		0	5/2+	
3090.8 6	0.09 3	4668.21	$3/2^{(-)}, 5/2, 7/2$	1577.59	9/2+	
3091.6 6	0.23 5	5214.27	3/2-,5/2-,7/2-	2122.53	3/2+,5/2+	
^x 3112.9 <i>3</i>	0.10 2					
3132.64 9	0.25 2	4710.35	5/2+,7/2	1577.59	9/2+	
3142.85 15	0.16 1	3142.91		0	5/2+	
3166.81 <i>15</i>	0.31 3	5466.79	$3/2, 5/2, 7/2^{(-)}$	2300.02	$(1/2^+)$	
3175.74 7	1.30 9	4595.52	$3/2^{(-)}, 5/2, 7/2$	1419.67	$(7/2^+)$	
3217.61 9	0.33 <i>3</i>	3217.87		0	5/2+	
3225.9 <i>3</i>	0.11 1	3225.97		0	5/2+	
3235.5 <i>3</i>	0.13 1	4655.2		1419.67	$(7/2^+)$	
3248.45 9	0.40 3	4668.21	$3/2^{(-)}, 5/2, 7/2$	1419.67	$(7/2^+)$	
3256.77 10	0.32 3	3256.64		0	5/2+	
x3275.2 2	0.034 4					
3281.23 20	0.33 4	4858.87	$3/2^{(-)}, 5/2, 7/2$	1577.59	9/2+	
^x 3294.1 7	0.04 3					
x3305.9 5	0.049 20					
3314.6 6	0.11 3	4734.55	3/2,5/2,7/2	1419.67	$(7/2^+)$	
^x 3317.8 9	0.058 20					
*3343.7 5	0.028 5			0	T (D)	
3361.8 7	0.11 3	3361.9		0	5/2*	
^3364.8 /	0.068 20	5466 50	2 = 5 = 5 = 5 = 5 = 5 = 5 = 5 = 5 = 5 =	2006 7	(1)2+>	
3381.0 8	0.13 6	5466.79	3/2,5/2,7/2(-)	2086.7	$(1/2^{+})$	
3383.3 7	0.15 6	4961.56	$3/2^{(-)}, 5/2, 7/2$	1577.59	9/2+	
^x 3395.1 7	0.063 ^{&} 20					
3435.07 15	0.23 2	3434.75		0	5/2+	
3444.8 <i>3</i>	0.10 2	3444.9?		0	5/2+	
^x 3458.6 <i>3</i>	0.074 9					
3461.06 20	0.28 3	5466.79	$3/2, 5/2, 7/2^{(-)}$	2005.42	3/2+,5/2+	
3498.4 <i>3</i>	0.26 3	5076.19	$3/2^{(-)}, 5/2, 7/2$	1577.59	9/2+	
^x 3536.8 6	0.077 20					

1983Ra21,1977Nu04,1975To09 (continued)

				γ (⁸⁷ I	Kr) (continued)
$E_{\gamma}^{\dagger\ddagger}$	$I_{\gamma}^{\#a}$	E _i (level)	J_i^π	E_f	J_f^π
3541.79 15	0.44 3	4961.56	3/2 ⁽⁻⁾ ,5/2,7/2	1419.67	$(7/2^+)$
^x 3559.5 6	0.016 5				
3598.92 15	0.110 9	3599.00		0	5/2+
^x 3611.9 4	0.097 10				
x3645.97 20	0.082 8				T (0)
3657.2 <i>10</i>	0.10 3	3657.3		0	5/2+
~3083.2 8	0.05/10	2690 1		0	5/0+
3089.0 J	0.184	5089.1		0	3/2
x3738.2.5	0.007 10 0.074 20				
x3781 5 7	0.10.3				
3794.46 15	0.74 6	5214.27	3/25/27/2-	1419.67	$(7/2^+)$
3804.6 3	0.17 6	5280.72	3/2,5/2,7/2	1476.11	$3/2^+, 5/2^+$
3809.32 15	0.76 6	3809.41	, , , , ,	0	5/2+
^x 3829.0 8	0.038 10				
3860.90 15	0.26 2	5280.72	3/2,5/2,7/2	1419.67	$(7/2^+)$
^x 3874.0 8	0.085 20				
3909.7 7	0.13 3	3909.8		0	5/2+
3917.06 10	2.0 1	3917.16	3/2,5/2,7/2	0	5/2+
x3930.2 10	0.11 5				
×39/0.0 10	0.059 20				
4012.5 5	0.0004 8	4027.2		0	5/2+
$x_{4027.1}$ 3	0.092 20	4027.2		0	5/2
x4055 1 8	0.103				
x4092.8.5	0.10.3				
x4109.86 20	0.10 1				
4136.2 4	0.26 8	4136.3		0	$5/2^{+}$
4180.54 10	4.0 <i>3</i>	4180.82	$3/2^{(-)}, 5/2, 7/2$	0	5/2+
4192.0 10	0.077 20	4192.1		0	5/2+
4204.0 15	0.23 9	4204.1		0	5/2+
^x 4219.1 7	0.10 4				
4223.3 3	0.076 8	4223.4		0	5/2+
^x 4231.0 4	0.13 2				
x4241.66 20	0.050 5				
*4258.4 3	0.0273	1265 1		0	5/0+
4203.0 0	0.112 0.53 4	4203.1	312 512 712	0	5/2 5/2+
x4311 9 10	0.064 20	7291.29	5/2,5/2,7/2	0	5/2
4326.83 20	0.27 2	4327.22	3/2.5/2.7/2	0	$5/2^{+}$
4523.96 20	0.29 3	4524.15	3/2,5/2,7/2	Õ	5/2 ⁺
4533.8 <i>3</i>	0.068 7	5065.9	-1)-1)-1	531.99	1/2+
^x 4539.3 10	0.069 20				
4548.16 20	0.120 9	4548.29		0	5/2+
^x 4564.1 5	0.029 6				
4572.36 15	0.88 6	4572.49	3/2,5/2,7/2	0	5/2+
*4581.9 17	0.11 4				T (0)
4596.4 6	0.22 6	4595.52	$3/2^{(-)}, 5/2, 7/2$	0	5/2 ⁺
4620.77 20	0.44 4	4620.90	3/2, 5/2, 7/2	0	5/2
4644.58 20	0.82 7	4644.58	$5/2^{(-)}, 5/2, 7/2$	0	5/2
4663.4 4	0.42 4	5195.25	$3/2,5/2,7/2^{(-)}$	531.99	$1/2^+$
4009.9 4	0.28 4	5201.21	5/2,5/2,7/2 5/2+ 7/2	531.99	$\frac{1}{2}$
4/10.23 20	0.39 4	4/10.33	5/2 ,1/2	0	5/2+
4734 44 20	0.03120 0.242	4734 55	3/2 5/2 7/2	0	5/2+
4752.57 20	0.32.3	4752.71	3/2.5/2.7/2	0	5/2+
	5.020		-, =, 0, =, 1, 2	0	-,-

 87 Br β^- decay

			$^{\circ}$ Br β decay	1983Ra	21,1977Nu04,19751609
				γ ⁽⁸⁷ H	Kr) (continued)
$E_{\gamma}^{\dagger\ddagger}$	$I_{\gamma}^{\#a}$	E _i (level)	J_i^π	\mathbf{E}_{f}	J_f^{π}
4770.43 20	0.26 3	5302.56	3/2.5/2(+)	531.99	$1/2^{+}$
4784.32.15	1.8 /	4784.46	$3/2^{(-)}, 5/2, 7/2$	0	5/2+
4807.8 4	0.15 2	4807.9	3/2.5/2.7/2	Õ	5/2+
4824.8 4	0.14 2	4824.9	1/2.3/2.5/2	Õ	5/2+
x4829.8 8	0.0038 10		-/_,=,=,=,=/=		-1-
4836.15 20	0.22 2	4836.29	3/2,5/2,7/2	0	5/2+
4871.90 15	0.45 3	4872.05	3/2,5/2,7/2	0	5/2+
4889.3 5	0.082 20	4889.4		0	5/2+
4917.6 <i>11</i>	0.13 4	4917.7	3/2,5/2,7/2	0	5/2+
4925.6 7	0.18 4	4925.7	3/2,5/2,7/2	0	5/2+
4961.54 15	2.0 1	4961.56	$3/2^{(-)}, 5/2, 7/2$	0	5/2+
4975.9 9	0.07 2	4976.1		0	5/2+
5003.0 5	0.054 10	5003.2		0	5/2+
5021.5 <i>3</i>	0.16 3	5021.7	3/2,5/2,7/2	0	5/2+
5033.7 6	0.046 10	5033.9		0	5/2+
5044.5 <i>3</i>	0.44 4	5044.7	3/2,5/2,7/2	0	5/2+
^x 5049.4 22	0.016 10				
5059.53 20	0.28 3	5059.69	3/2,5/2,7/2	0	5/2+
5076.08 20	0.19 2	5076.19	$3/2^{(-)}, 5/2, 7/2$	0	5/2+
5088.7 4	0.088 10	5088.9		0	5/2+
5103.39 20	0.43 4	5103.55	3/2,5/2,7/2	0	5/2+
5120.23 20	0.53 5	5120.39	3/2,5/2,7/2	0	5/2+
5135.92 20	0.16 2	5136.08	3/2,5/2,7/2	0	5/2+
5154.9 6	0.04 1	5155.1		0	5/2+
*5166.6 16	0.016 9	5102.4		0	5 /0±
5183.2 3	0.18 2	5183.4	3/2, 5/2, 1/2	0	5/2
5195.02.20	0.53 5	5195.25	$3/2,5/2,7/2^{(-)}$	0	5/2+
5200.84 20	0.55 4	5201.21	3/2,5/2,7/2	0	5/2
5214.3 3	0.21 2	5214.27	3/2 ,5/2 ,7/2	0	5/2+
5245.4 3	0.18 2	5245.0	3/2,5/2,7/2	0	$5/2^{+}$
5281.5 9 x5219 4 0	0.011 4	5280.72	3/2,5/2,7/2	0	5/2
~ 3318.4 9 5240.0 2	0.024 9	5240.2	212 512 712	0	5/2+
x5362 5 12	0.14 2 0.024 10	3540.2	5/2,5/2,7/2	0	5/2
5360.0.3	$0.024 \ 10$	5370.1	312 512 712	0	5/2+
5382 0 3	0.14 2	5383 1	3/2,3/2,7/2	0	5/2+
x5395 3 10	0.13 2	5505.1	5/2,5/2,7/2	0	5/2
5406 16 20	0.21.3	5406 34	3/2 5/2 7/2	0	5/2+
5419.7 5	0.047 15	5419.9	0/=,0/=,//=	Ő	5/2 ⁺
5424.0 9	0.029 10	5424.2		Õ	5/2+
5439.7 9	0.010 3	5439.9		0	5/2+
5454.7 3	0.19 2	5454.9	3/2,5/2,7/2	0	5/2+
5473.56 20	0.38 <i>3</i>	5473.74	3/2,5/2,7/2	0	5/2+
5546.5 6	0.033 5	5546.7	$(5/2^{-})$	0	5/2+
5561.7 9	0.022 7	5561.9	5/2-	0	5/2+
5594.5 <i>3</i>	0.061 5	5594.7	$(5/2^{-})$	0	5/2+
5606.2 5	0.049 6	5606.4	3/2-	0	5/2+
5635.0 5	0.040 5	5635.2	$(5/2^{-})$	0	5/2+
5648.6 9	0.006 2	5648.8	$(5/2^{-})$	0	5/2+
5659.7 4	0.027 3	5659.9	$(5/2^{-})$	0	5/2+
5672.1 4	0.039 4	5672.3	$(5/2^{-})$	0	5/2+
5685.4 <i>3</i>	0.11 1	5685.6	$(5/2^{-})$	0	5/2+
5698.6 4	0.018 2	5698.8	$(5/2^{-})$	0	5/2+
5714.5 9	0.011 2	5714.5	$(5/2^{-})$	0	5/2+
5/93.14	0.015 2	5793.1	$(5/2^{-})$	0	5/2*

$\gamma(^{87}\text{Kr})$ (continued)

[†] From 1983Ra21, unless indicated otherwise.

[‡] In addition to the transitions listed here, 1977Nu04 report a transition at 5588.6 *10* with I γ =0.0154 (normalized to data of 1983Ra21). This transition is not seen by 1983Ra21. A 5821 keV γ transition was reported in 1975To09. This would be expected to have been seen in 1983Ra21 based on intensity comparisons, and so is not included here.

[#] From 1983Ra21, unless otherwise noted. Intensities per 100 ⁸⁷Br decays. 1977Nu04 and 1975To09 give values of I_{γ} for about 20 γ 's based on very different assumptions of normalization for 1420 γ , but the relative I_{γ} 's are in good agreement.

[@] Value of 896 4 given by 1983Ra21 is a misprint (private communication from first author).

& Value of 0.063 2 given by 1983Ra21 is a misprint (private communication from first author to 1991Si02).

^a Absolute intensity per 100 decays.

^b Multiply placed with undivided intensity.

^{*x*} γ ray not placed in level scheme.













⁸⁷₃₆Kr₅₁



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Decay Scheme (continued)

