

^{86}Kr $Z = 36$ $N = 50$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 749.234 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
86KR 1	0.000	0+			1 STABLE
86KR 2	1.565	2+			2 0.286 PS +28-24
86KR 3	2.250	4+			3 3.1 NS 6
86KR 4	2.349	2+			4
86KR 5	2.726	0+			5
86KR 6				2.851 (2,3)+	6
86KR 7				2.917 (3-)	7
86KR 8				2.926 (2)+	8
86KR 9				3.009 (1,2)+	9
86KR 10			3.099 3-		10
86KR 11				3.328 (3+,4+)	11
86KR 12	3.541	0+			12
86KR 13				3.583 (0+:4+)	13
86KR 14				3.783 (LE 3)(+)	14
86KR 15				3.816 (5+)	15
86KR 16	3.832	0+			16
86KR 17				3.935 (5)	17
86KR 18				3.959 (3-,4+)	18
86KR 19				4.039 (2,3)-	19
86KR 20				4.064 (6+)	20
86KR 21				4.072 (5-)	21
86KR 22	4.111	2+			22
86KR 23				4.175 (4+)	23
86KR 24	4.194	2+			24
86KR 25				4.277 (7+)	25
86KR 26				4.316 (2-)	26
86KR 27				4.399 (4+)	27
86KR 28				4.401 1	28
86KR 29				4.431 (6-)	29
86KR 30				4.559 (4+)	30
86KR 31				4.666 (3-,4+)	31
86KR 32				4.693 (7)	32
86KR 33				4.706	33
86KR 34				4.756 (7+)	34
86KR 35				4.819 (2+)	35
86KR 36				4.867 (1-)	36
86KR 37				4.928 (4+)	37
86KR 38				4.933	38

86KR 39	|		|	4.948	(2+)	39
86KR 40	|		|	4.991		40

86KR 41	|		|	5.127		41
86KR 42	|		|	5.203		42
86KR 43	|		|	5.314		43
86KR 44	|		|	5.406	(1,2)	44
86KR 45	|		|	5.438		45
86KR 46	|	5.517	1-			46
86KR 47	|		|	5.571	1	47
86KR 48	|		|	5.637		48
86KR 49	|		|	5.660	(8+)	49
86KR 50	|		|	5.669		50

86KR 51	|		|	5.707		51
86KR 52	|		|	5.788	(1)	52
86KR 53	|		|	5.799		53
86KR 54	|		|	5.814	(9+)	54
86KR 55	|		|	5.862		55
86KR 56	|	5.924	1-			56
86KR 57	|		|	5.981		57
86KR 58	|		|	6.085		58
86KR 59	|		|	6.089	(1,2)	59
86KR 60	|		|	6.118		60

86KR 61	|	6.160	1-			61
86KR 62	|		|	6.212	1	62
86KR 63	|		|	6.248	(10)	63
86KR 64	|		|	6.318		64
86KR 65	|	6.329	1-			65
86KR 66	|		|	6.397		66
86KR 67	|	6.432	1-			67
86KR 68	|	6.463	1-			68
86KR 69	|	6.532	1-			69
86KR 70	|		|	6.679	1	70

86KR 71	|		|	6.720	(1,2)	71
86KR 72	|		|	6.768	(1,2)	72
86KR 73	|	6.819	1-			73
86KR 74	|	7.028	1-			74
86KR 75	|		|	7.128	(10)	75
86KR 76	|		|	7.235	(1)	76
86KR 77	|	7.305	1-			77
86KR 78	|	7.315	1-			78
86KR 79	|		|	7.459	(11)	79
86KR 80	|	7.570	1-			80

86KR 81	|		|	7.676	1	81
86KR 82	|		|	7.746	1	82
86KR 83	|	7.798	1-			83

86KR 84	|		|	7.847	1-	|			84
86KR 85	|		|	7.874	1-	|			85
86KR 86	|		|			|	7.876	(12)	86
86KR 87	|		|	7.958	1-	|			87
S-alpha= 8.097 (0.000)-----									
86KR 88	|		|	8.429	1-	|			88
86KR 89	|		|	8.622	1-	|			89
86KR 90	|		|	8.651	1-	|			90

86KR 91	|		|			|	8.802	1	91
86KR 92	|		|	8.842	1-	|			92
86KR 93	|		|	9.014	1-	|			93
86KR 94	|		|			|	9.068	1	94
86KR 95	|		|	9.086	1-	|			95
86KR 96	|		|			|	9.453	1	96
86KR 97	|		|			|	9.478		97
S-n = 9.857 (0.002)-----									
86KR 98	|		|			|	10.116	1	98

S-p = 11.979 (0.003)-----									
S-n = 9.857 (0.002)-----									
S-2p = 21.896 (0.002)-----									
S-2n = 16.969 (0.000)-----									
S-alpha= 8.097 (0.000)-----									

S+p	=	-8.621	(	0.000)				
S+n	=	-5.515	(	0.000)				
S+2p	=	-19.234	(	0.000)				
S+2n	=	-12.568	(	0.003)				
S+alpha	=	-5.107	(	0.002)				

gap p	=	3.358	(	0.003)				
gap n	=	4.342	(	0.002)				
gap 2p	=	2.662	(	0.002)				
gap 2n	=	4.401	(	0.003)				
gap alpha	=	2.989	(	0.002)				