

^{75}Kr $Z = 36$ $N = 39$ [link to full NNDC output](#)

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

BE = 641.508 (0.008) MeV

Qbeta+ = 4.783 (0.009) MeV

	Energy T	J+	J-	J-other	T1/2
75KR 1	0.000	5/2+			1 4.60 M 7
75KR 2				0.179 (3/2)-	2 2.08 NS 35
75KR 3				0.187 (7/2)+	3 36 PS 4
75KR 4				0.358 (5/2)-	4 43 PS 10
75KR 5				0.378 (9/2)+	5 13.9 PS 11
75KR 6				0.611 (7/2)-	6 5.84 PS 24
75KR 7				0.629 (1/2+,3/2,5/2)	7
75KR 8				0.672 (3/2-,5/2-)	8
75KR 9				0.726 (9/2+)	9
75KR 10				0.770 (11/2)+	10 1.73 PS 11
75KR 11				0.787 (5/2-)	11
75KR 12				0.833 (1/2-,3/2,5/2)	12
75KR 13				0.881 (1/2-,3/2,5/2)	13
75KR 14				0.905 (9/2)-	14 2.0 PS 4
75KR 15				1.026 (1/2+,3/2,5/2)	15
75KR 16				1.042 (3/2+,5/2)	16
75KR 17				1.067 (13/2)+	17 1.32 PS 7
75KR 18				1.099 (7/2-)	18
75KR 19				1.266 (11/2)-	19 0.76 PS 21
75KR 20				1.364 (9/2-)	20
75KR 21				1.528 (13/2+)	21
75KR 22				1.594 (15/2+)	22 0.304 PS +15-16
75KR 23				1.646 (13/2-)	23 0.69 PS 21
75KR 24				1.755 (11/2+)	24
75KR 25				1.757 (13/2+)	25
75KR 26				1.759 (11/2-)	26
75KR 27				1.964 (17/2+)	27 0.252 PS +10-24
75KR 28				2.109 (15/2-)	28 0.352 PS +34-28
75KR 29				2.113 (13/2-)	29
75KR 30				2.262	30
75KR 31				2.306 (17/2)	31
75KR 32				2.319	32
75KR 33				2.563 (17/2-)	33 0.239 PS +26-24
75KR 34				2.579 (17/2+)	34
75KR 35				2.611 (15/2-)	35
75KR 36				2.628 (19/2+)	36 0.095 PS 12
75KR 37				2.655 (15/2-)	37

75KR 38				2.689		38
75KR 39				2.709	(15/2+)	39
75KR 40				2.819	(17/2+)	40

75KR 41				2.819	(15/2-)	41
75KR 42				2.860		42
75KR 43				2.918		43
75KR 44				2.958	(17/2-)	44
75KR 45				3.040	(17/2-)	45
75KR 46				3.049	(21/2+)	46 0.110 PS +4-13
75KR 47				3.111	(19/2-)	47 0.163 PS +17-23
75KR 48				3.189		48
75KR 49				3.343	(19/2-)	49
75KR 50				3.437		50

75KR 51				3.465		51
75KR 52				3.514	(19/2-)	52
75KR 53				3.588	(21/2+)	53
S-alpha=	3.602	(0.009)	-----		
75KR 54				3.624	(21/2-)	54 0.143 PS LT
75KR 55				3.645		55
75KR 56				3.766	(21/2-)	56
75KR 57				3.778	(21/2+)	57
75KR 58				3.803		58
75KR 59				3.824	(23/2+)	59 0.091 PS +17-14
75KR 60				3.943	(21/2-)	60

75KR 61				4.031	(21/2+)	61
75KR 62				4.045		62
75KR 63				4.130	(23/2-)	63
75KR 64				4.277	(25/2+)	64 0.076 PS +7-6
75KR 65				4.291	(23/2-)	65 0.096 PS +26-32
75KR 66				4.429	(23/2-)	66
75KR 67				4.648		67
75KR 68				4.683	(25/2+)	68
75KR 69				4.723	(25/2+)	69
75KR 70				4.727		70

75KR 71				4.738	(25/2-)	71
75KR 72				4.778		72
75KR 73				4.818	(25/2-)	73
75KR 74				4.959	(25/2-)	74
75KR 75				5.026	(27/2+)	75 0.065 PS LT
75KR 76				5.160	(27/2-)	76
75KR 77				5.464	(27/2-)	77 0.15 PS LT
75KR 78		5.537	27/2-			78
75KR 79				5.557	(29/2+)	79 0.067 PS +9-12
75KR 80				5.797	(29/2+)	80

75KR 81				5.921	(29/2-)	81

75KR 82				5.938	(29/2+)	82
75KR 83				5.972		83
75KR 84				6.044	(29/2-)	84
75KR 85				6.137	(29/2-)	85
75KR 86				6.310	(31/2+)	86
S-p = 6.324 (0.010)-----						
75KR 87				6.356	(31/2-)	87
75KR 88				6.686	(31/2-)	88
75KR 89				6.828	(31/2-)	89
75KR 90				6.891	(33/2+)	90 0.072 PS LT

75KR 91				7.035	(33/2+)	91
75KR 92				7.242	(33/2-)	92
75KR 93				7.364	(33/2-)	93
75KR 94				7.434	(33/2+)	94
75KR 95				7.497	(33/2-)	95
75KR 96				7.508		96
75KR 97				7.593		97
75KR 98				7.725	(35/2-)	98
75KR 99				7.842	(35/2+)	99
75KR 100				8.037	(35/2-)	100

75KR 101				8.301	(35/2-)	101
75KR 102				8.389	(37/2+)	102
75KR 103				8.402	(37/2+)	103
75KR 104				8.696	(37/2-)	104
75KR 105				8.839	(37/2-)	105
75KR 106				8.921		106
75KR 107				9.069	(37/2-)	107
75KR 108				9.134	(37/2+)	108
75KR 109				9.277	(39/2-)	109
75KR 110				9.527	(39/2-)	110

75KR 111				9.643	(39/2+)	111
75KR 112				9.903	(41/2+)	112
75KR 113				9.971	(41/2+)	113
75KR 114				9.971	(39/2-)	114
S-n = 10.063 (0.008)-----						
75KR 115				10.194	41/2(+)	115
75KR 116				10.280	(41/2-)	116
75KR 117				10.491		117
75KR 118				10.501	(41/2-)	118
S-2p = 10.674 (0.011)-----						
75KR 119				10.856	(41/2-)	119
75KR 120				11.028	(43/2-)	120

75KR 121				11.148	(43/2-)	121
75KR 122				11.422		122
75KR 123				11.545	(45/2+)	123
75KR 124				11.679	(43/2+)	124

75KR 125				11.785	(45/2+)	125
75KR 126				11.832	(43/2-)	126
75KR 127				12.020	(45/2-)	127
75KR 128				12.086	(45/2+)	128
75KR 129				12.140	(45/2+)	129
75KR 130				12.379	(45/2-)	130

75KR 131				12.862	(45/2-)	131
75KR 132				12.991	(47/2-)	132
75KR 133				13.018	(47/2-)	133
75KR 134				13.365	(49/2+)	134
75KR 135				13.996	(49/2+)	135
75KR 136				14.012	(49/2-)	136
75KR 137				14.173	(49/2+)	137
75KR 138				14.330	(49/2+)	138
75KR 139				14.405	(49/2-)	139
75KR 140				15.018	(49/2-)	140

75KR 141				15.217	(51/2-)	141
75KR 142				15.359	(53/2+)	142
75KR 143				16.352	(53/2-)	143
75KR 144				16.667	(53/2+)	144
75KR 145				17.602	(57/2+)	145
75KR 146				17.643	(55/2-)	146
75KR 147				19.135	(57/2-)	147

S-p = 6.324 (0.010)-----
S-n = 10.063 (0.008)-----
S-2p = 10.674 (0.011)-----
S-2n = 23.915 (0.010)-----
S-alpha= 3.602 (0.009)-----

S+p = -3.444 (0.008)
S+n = -12.761 (0.009)
S+2p = -8.058 (0.011)
S+2n = -21.988 (0.008)
S+alpha = -3.578 (0.012)

gap p = 2.880 (0.013)
gap n = -2.698 (0.012)
gap 2p = 2.617 (0.016)
gap 2n = 1.926 (0.013)
gap alpha = 0.024 (0.014)