

^{73}Kr $Z = 36$ $N = 37$ [link to full NNDC output](#)

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

BE = 617.593 (0.007) MeV

Qbeta+ = 7.096 (0.010) MeV

	Energy T	J+	J-	J-other	T1/2
73KR 1			0.000	3/2-	1 27.3 S 10
73KR 2				0.144 (5/2-)	2
73KR 3				0.368 (5/2+)	3
73KR 4				0.393 (7/2-)	4
73KR 5				0.434 (9/2+)	5 107 NS 10
73KR 6				0.512 (7/2+)	6
73KR 7				0.660 (9/2-)	7
73KR 8				1.004 (11/2-)	8
73KR 9				1.066 (11/2+)	9
73KR 10				1.178 (13/2+)	10
73KR 11				1.372 (13/2-)	11
73KR 12				1.831 (15/2-)	12
73KR 13				1.892 (15/2+)	13
73KR 14				2.070 (17/2+)	14
73KR 15				2.285 (17/2-)	15
S-alpha=	2.542 (0.007)				
73KR 16				2.865 (19/2-)	16
73KR 17				2.938 (19/2+)	17
73KR 18				3.155 (21/2+)	18
73KR 19				3.382 (21/2-)	19
73KR 20				4.088 (23/2-)	20
73KR 21				4.139 (23/2+)	21
73KR 22				4.401 (25/2+)	22
73KR 23				4.645 (25/2-)	23
S-p	4.779 (0.007)				
73KR 24				5.408 (27/2-)	24
73KR 25				5.493 (27/2+)	25
73KR 26				5.505	26
73KR 27				5.615 (29/2+)	27
73KR 28				6.027 (29/2-)	28
73KR 29				6.568 (31/2-)	29
73KR 30				6.700 (31/2+)	30
73KR 31				6.812 (33/2+)	31
73KR 32				7.002	32
73KR 33				7.330 (33/2-)	33
73KR 34				7.891 (35/2-)	34
S-2p	7.983 (0.007)				

73KR 35				8.109	(37/2+)	35
73KR 36				8.741	(37/2-)	36
73KR 37				9.401	(39/2-)	37
73KR 38				9.534	(41/2+)	38
73KR 39				10.357	(41/2-)	39
S-n	=	10.682	(0.010)	-----		
73KR 40				11.106	(43/2-)	40

73KR 41				11.253	(45/2+)	41
73KR 42				12.100	(45/2-)	42
73KR 43				12.988	(47/2-)	43
73KR 44				13.388	(49/2+)	44
73KR 45				13.968	(49/2-)	45
73KR 46				15.031	(51/2-)	46
73KR 47				16.013	(53/2+)	47
73KR 48				16.147	(53/2-)	48
73KR 49				17.335	(55/2-)	49
73KR 50				18.769	(57/2-)	50

73KR 51				19.185	(57/2+)	51

S-p = 4.779 (0.007)-----
S-n = 10.682 (0.010)-----
S-2p = 7.983 (0.007)-----
S-2n = 26.367 (0.129)-----
S-alpha= 2.542 (0.007)-----

S+p = -2.653 (0.007)
S+n = -13.851 (0.007)
S+2p = -4.645 (0.220)
S+2n = -23.915 (0.010)
S+alpha = -3.677 (0.010)

gap p = 2.126 (0.010)
gap n = -3.169 (0.012)
gap 2p = 3.338 (0.220)
gap 2n = 2.453 (0.129)
gap alpha = -1.135 (0.012)