

$^{76}\text{Kr}$        $Z = 36$        $N = 40$       [link to full NNDC output](#)

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

BE = 654.269 ( 0.004) MeV

Qbeta+ = 1.275 ( 0.010) MeV

	Energy T	J+	J-	J-other	T1/2
76KR 1	0.000	0+			1 14.8 H 1
76KR 2	0.424	2+			2 24.9 PS 7
76KR 3	0.770	0+			3
76KR 4	1.035	4+			4 3.3 PS 3
76KR 5	1.222	2+			5 1 PS AP
76KR 6				1.598 (LE 4)	6
76KR 7	1.687	2+			7
76KR 8				1.733 (3+)	8 1 PS AP
76KR 9	1.859	6+			9 0.83 PS 7
76KR 10	1.957	4+			10 0.90 PS 30
76KR 11				2.091 (1,2+)	11
76KR 12				2.104 (1,2+)	12
76KR 13				2.227 (2-)	13
76KR 14			2.257 3-		14
76KR 15				2.452 (5+)	15 0.76 PS 30
76KR 16				2.571 (1,2+)	16
76KR 17				2.601	17
76KR 18				2.622 (4-)	18
76KR 19				2.683 (5-)	19
76KR 20	2.697	2+			20
76KR 21				2.763 (6+)	21
76KR 22				2.775 (0+,1,2)	22
76KR 23				2.817 (1,2+)	23
76KR 24			2.872 3-		24
76KR 25	2.879	8+			25 0.22 PS 2
76KR 26				2.927 (0,1,2)	26
76KR 27				3.024 (1-,2)	27
76KR 28				3.175 (6-)	28
76KR 29				3.246	29
76KR 30				3.287 (7-)	30 0.26 PS 4
76KR 31				3.332 (7+)	31 0.71 PS 21
76KR 32				3.457	32
S-alpha=	3.570 ( 0.004)				
76KR 33				3.571 (8+)	33
76KR 34				3.629	34
76KR 35				3.796	35
76KR 36				3.902 (8-)	36

76KR 37						3.978			37
76KR 38		4.068	10+						38 0.104 PS 14
76KR 39						4.072	(9-)		39 0.35 PS 8
76KR 40						4.403	(9+)		40 0.29 PS 7
-----									
76KR 41						4.808	(10-)		41
76KR 42						5.050	(11-)		42 0.12 PS 5
76KR 43						5.347	(12+)		43 0.17 PS 4
76KR 44						5.874	(12-)		44
76KR 45						6.219	(13-)		45 0.24 PS 6
76KR 46						6.647	(14+)		46
76KR 47						7.110	(14-)		47
S-p	=	7.196	( 0.006)	-----					
76KR 48						7.577	(15-)		48
76KR 49						7.996	(16+)		49
76KR 50						8.521	(16-)		50
-----									
76KR 51						9.111	(17-)		51
76KR 52						9.396	(18+)		52
76KR 53						10.057	(18-)		53
76KR 54						10.726	(19-)		54
76KR 55						10.930	(20+)		55
S-2p	=	11.378	( 0.004)	-----					
76KR 56						11.650	(20-)		56
76KR 57						12.686	(22+)		57
S-n	=	12.761	( 0.009)	-----					
76KR 58						13.347	(22-)		58
76KR 59						14.735	(24+)		59
-----									
S-p	=	7.196	( 0.006)	-----					
S-n	=	12.761	( 0.009)	-----					
S-2p	=	11.378	( 0.004)	-----					
S-2n	=	22.824	( 0.004)	-----					
S-alpha	=	3.570	( 0.004)	-----					
-----									
S+p	=	-3.106	( 0.004)						
S+n	=	-9.227	( 0.004)						
S+2p	=	-8.738	( 0.009)						
S+2n	=	-21.307	( 0.004)						
S+alpha	=	-3.723	( 0.005)						
-----									
gap p	=	4.090	( 0.007)						
gap n	=	3.534	( 0.010)						
gap 2p	=	2.640	( 0.009)						
gap 2n	=	1.517	( 0.006)						
gap alpha	=	-0.152	( 0.007)						