

^{76}Kr $Z = 36$ $N = 40$ adopted link ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

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				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

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 (0.008)
 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)