

^{74}Kr $Z = 36$ $N = 38$ adopted link ENSDF link

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

BE = 631.445 (0.002) MeV

Qbeta+ = 2.956 (0.006) MeV

	Energy T	J+	J-	J-other	T1/2
74KR 1	0.000	0+			1 11.50 M 11
74KR 2	0.456	2+			2 23.4 PS 4
74KR 3	0.509	0+			3 13.0 NS 7
74KR 4	1.013	4+			4 3.60 PS 14
74KR 5				1.121	5
74KR 6				1.203 (2+)	6
74KR 7				1.654 (0+)	7
74KR 8				1.742 (2+)	8
74KR 9	1.781	6+			9 0.67 PS 7
74KR 10				1.941 (3+)	10
74KR 11				2.112 (4+)	11
74KR 12				2.613 (5+)	12
74KR 13				2.656 (4-)	13
74KR 14	2.748	8+			14 0.195 PS 28
74KR 15				2.812 (5-)	15
S-alpha=	2.827 (0.003)				
74KR 16				3.005 (5-)	16
74KR 17				3.139 (6-)	17
74KR 18				3.367 (7-)	18
74KR 19				3.452 (7+)	19
74KR 20				3.698 (7-)	20
74KR 21				3.761 (8+)	21
74KR 22				3.840 (8-)	22
74KR 23	3.892	10+			23 0.083 PS 21
74KR 24				4.133 (9-)	24 0.82 PS 8
74KR 25				4.244 (1+)	25
74KR 26				4.469	26
74KR 27				4.556 (10+)	27
74KR 28				4.592 (9-)	28
74KR 29				4.721 (10-)	29
74KR 30				5.086 (11-)	30 0.270 PS 28
74KR 31	5.180	12+			31 0.084 PS 21
74KR 32				5.570 (12+)	32
74KR 33				5.655	33
74KR 34				5.658 (11-)	34
74KR 35				5.764 (12-)	35
S-p =	5.975 (0.007)				

74KR	36						6.211	(13-)		36	0.112	PS	21
74KR	37		6.516		14+					37	0.090	PS	21
74KR	38						6.853	(14+)		38			
74KR	39						6.874	(13-)		39			
74KR	40						6.967	(14-)		40			

74KR	41						7.488	(15-)		41	0.062	PS	14
74KR	42		7.858		16+					42	0.083	PS	21
74KR	43						8.219	(15-)		43			
74KR	44						8.318	(16-)		44			
74KR	45						8.413	(16+)		45			
74KR	46						8.898	(17-)		46	0.035	PS	14
S-2p	=		9.042	(0.003)	-----							
74KR	47		9.306		18+					47	0.055	PS	21
74KR	48						9.684	(17-)		48			
74KR	49						9.803	(18-)		49			
74KR	50						9.931	(18+)		50			

S-p = 5.975 (0.007)-----
 S-n = 13.851 (0.007)-----
 S-2p = 9.042 (0.003)-----
 S-2n = 24.534 (0.008)-----
 S-alpha= 2.827 (0.003)-----

S+p = -2.176 (0.002)
 S+n = -10.063 (0.008)
 S+2p = -6.494 (0.035)
 S+2n = -22.824 (0.004)
 S+alpha = -3.267 (0.008)

gap p = 3.799 (0.007)
 gap n = 3.788 (0.011)
 gap 2p = 2.548 (0.035)
 gap 2n = 1.709 (0.009)
 gap alpha = -0.440 (0.008)