

$^{73}\text{Kr}$        $Z = 36$        $N = 37$       adopted link      ENSDF link

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

BE = 617.594 ( 0.007) MeV

Qbeta+ = 7.094 ( 0.009) 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				1.830 (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				2.937 (19/2+)	17
73KR 18				3.155 (21/2+)	18
73KR 19				3.382 (21/2-)	19
73KR 20				3.615	20
73KR 21				4.088 (23/2-)	21
73KR 22				4.139 (23/2+)	22
73KR 23				4.401 (25/2+)	23
73KR 24				4.646 (25/2-)	24
S-p	4.779 ( 0.007)				
73KR 25				5.346 (27/2+)	25
73KR 26				5.407 (27/2-)	26
73KR 27				5.504 (27/2-)	27
73KR 28				5.615 (29/2+)	28
73KR 29				6.028 (29/2-)	29
73KR 30				6.198	30
73KR 31				6.568 (31/2-)	31
73KR 32				6.812 (33/2+)	32
73KR 33				7.002 (31/2-)	33
73KR 34				7.331 (33/2-)	34
73KR 35				7.891 (35/2-)	35

S-2p	=	7.983	( 0.007)	-----			
73KR 36					8.109	(37/2+)	36
73KR 37					8.452	(35/2-)	37
73KR 38					8.742	(37/2-)	38
73KR 39					9.401	(39/2-)	39
73KR 40					9.534	(41/2+)	40
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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 = -23.914 ( 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)