

$^{89}\text{Kr}$        $Z = 36$        $N = 53$       [link to full NNDC output](#)

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

BE = 766.719 ( 0.002) MeV

Qbeta- = 5.177 ( 0.006) MeV

	Energy T	J+	J-	J-other	T1/2	
89KR 1				0.000	3/2(+)	1 3.15 M 4
89KR 2				0.029	(5/2+)	2 21.7 NS 13
89KR 3				0.411		3
89KR 4				0.982	(9/2+)	4
89KR 5				0.991		5
89KR 6				1.027		6
89KR 7				1.098		7
89KR 8				1.380		8
89KR 9				1.483		9
89KR 10				1.536		10
-----						
89KR 11				1.773	(11/2-)	11
89KR 12				1.834		12
89KR 13				1.888		13
89KR 14				1.895		14
89KR 15				1.957		15
89KR 16				2.039		16
89KR 17				2.063		17
89KR 18				2.104		18
89KR 19				2.108		19
89KR 20				2.147		20
-----						
89KR 21				2.217		21
89KR 22				2.279		22
89KR 23				2.298		23
89KR 24				2.374		24
89KR 25				2.426		25
89KR 26				2.468		26
89KR 27				2.648		27
89KR 28				2.735		28
89KR 29				2.976		29
89KR 30				3.215		30
-----						
89KR 31				3.318		31
89KR 32				3.754		32
89KR 33				3.992		33
89KR 34				4.115		34
89KR 35				4.166		35
89KR 36				4.186		36
89KR 37				4.232		37

89KR	38				4.238	38
89KR	39				4.249	39
89KR	40				4.289	40
-----						
89KR	41				4.319	41
89KR	42				4.375	42
89KR	43				4.382	43
89KR	44				4.403	44
89KR	45				4.510	45
89KR	46				4.516	46
89KR	47				4.530	47
89KR	48				4.611	48
89KR	49				4.673	49
89KR	50				4.707	50
-----						

S-p = 13.109 ( 0.004)-----  
 S-n = 4.916 ( 0.003)-----  
 S-2p = 24.688 ( 0.003)-----  
 S-2n = 11.969 ( 0.002)-----  
 S-alpha= 6.547 ( 0.003)-----

S+p = -10.117 ( 0.007)  
 S+n = -6.495 ( 0.003)  
 S+2p = -21.694 ( 0.006)  
 S+2n = -10.581 ( 0.003)  
 S+alpha = -5.975 ( 0.008)

gap p = 2.991 ( 0.008)  
 gap n = -1.579 ( 0.004)  
 gap 2p = 2.994 ( 0.007)  
 gap 2n = 1.388 ( 0.004)  
 gap alpha = 0.572 ( 0.009)