^{80}Kr $Z = 36$ $N = 44$ adopted link ENSDF link

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

BE = 695.434 (0.001) MeV

	Energy	T	J+		J-		J-other		T1/2	
80KR 1	0.000	0+						1	STABLE	
80KR 2	0.617	2+						2	8.3 PS	5
80KR 3	1.256	2+						3	7.6 PS	14
80KR 4	1.321	0+						4	4.9 PS	21
80KR 5	1.436	4+						5	1.07 PS	15
80KR 6	1.788	3+						6	7.1 PS	9
80KR 7	2.146	4+						7	0.76 PS	42
80KR 8	2.392	6+						8	0.56 PS	14
80KR 9				2.439	3-			9	1.4 PS	+14-5
80KR 10	2.660	5+						10	0.83 PS	28
80KR 11				2.793	4-			11	2.1 PS	4
80KR 12				2.860	5-			12	2.4 PS	11
80KR 13				2.969	3-			13		
80KR 14						2.998		14		
80KR 15						3.040	(5-)	15	1.5 PS	4
80KR 16				3.042	6-			16	2.2 NS	2
80KR 17						3.110	(6+)	17	0.83 PS	+62-35
80KR 18						3.173	(5,6,7-)	18		
80KR 19				3.346	6-			19	4.9 PS	21
80KR 20	3.410	8+						20	0.28 PS	+28-14
80KR 21						3.488	(6-)	21		
80KR 22				3.530	7-			22		
80KR 23						3.559	(7)-	23		
80KR 24				3.582	7-			24	2.7 PS	3
80KR 25						3.635	(7+)	25	0.7 PS	GE
80KR 26	3.700	8+						26		
80KR 27						3.917	(8+)	27	0.14 PS	LE
80KR 28						4.126	(8-)	28	1.7 PS	GE
80KR 29						4.153	(8+)	29		
80KR 30						4.163	(8-)	30		
80KR 31	4.378	10+						31	0.40 PS	+8-7
80KR 32						4.394	(9-)	32		
80KR 33						4.562	(9-)	33		
80KR 34						4.649	(10+)	34	0.49 PS	21
80KR 35						4.975	(10+)	35		
S-alpha= 5.066 (0.001)										
80KR 36						5.159	(10-)	36		
80KR 37						5.375	(10-)	37		

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 80KR  38 |                 |                |   5.397     (11-)           38
 80KR  39 |  5.438     12+  |                |                             39   0.23 PS  +4-5
 80KR  40 |                 |                |   5.666     (11-)           40
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 80KR  41 |                 |                |   5.890     (12+)           41
 80KR  42 |                 |                |   6.181     (12-)           42
 80KR  43 |                 |                |   6.522     (13-)           43
 80KR  44 |  6.681     14+  |                |                             44   0.18 PS  +6-5
 80KR  45 |                 |                |   7.222     (14+)           45
 80KR  46 |                 |                |   7.771     (15-)           46
 80KR  47 |                 |                |   8.088     (16+)           47   0.21 PS  8
 80KR  48 |                 |                |   8.565     (16+)           48
S-p    =   9.114 ( 0.001)-------------------------------------------------------------------------
 80KR  49 |                 |                |   9.195     (17-)           49
 80KR  50 |                 |                |   9.691     (18+)           50   0.12 PS  5
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S-p    =   9.114 ( 0.001)-------------------------------------------------------------------------
S-n    =  11.522 ( 0.004)-------------------------------------------------------------------------
S-2p   =  15.445 ( 0.001)-------------------------------------------------------------------------
S-2n   =  19.858 ( 0.001)-------------------------------------------------------------------------
S-alpha=   5.066 ( 0.001)-------------------------------------------------------------------------

S+p       =  -4.852 ( 0.005)
S+n       =  -7.874 ( 0.001)
S+2p      = -12.695 ( 0.006)
S+2n      = -18.841 ( 0.001)
S+alpha   =  -5.181 ( 0.001)

gap p     =   4.262 ( 0.005)
gap n     =   3.648 ( 0.004)
gap 2p    =   2.751 ( 0.006)
gap 2n    =   1.017 ( 0.001)
gap alpha =  -0.115 ( 0.002)
```