

^{36}K $Z = 19$ $N = 17$ adopted link ENSDF link

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

BE = 293.120 (0.000) MeV

Qbeta+ = 12.814 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
36K 1	0.000	2+			1 341 MS 3
36K 2				0.810 (3+)	2 19 PS 4
36K 3	1.112	1+			3 7 PS +3-2
36K 4	1.619	1+			4
S-p	= 1.659 (0.001)				
36K 5				1.707 (2-)	5
36K 6				1.918 1 (2+)	6
36K 7				2.197 (3-)	7
36K 8				2.282 (2+)	8
36K 9				2.446	9
36K 10				2.579	10
36K 11				2.628	11
36K 12				2.869	12
36K 13	3.383	1+			13
36K 14				3.627	14
36K 15				3.653	15
36K 16	4.282 2	0+			16
36K 17	4.450	1+			17
36K 18	4.658	1+			18
36K 19	5.243	1+			19
36K 20	5.754	1+			20
36K 21	5.926	1+			21
S-alpha	= 6.507 (0.001)				
36K 22	6.787	1+			22

S-p = 1.659 (0.001)-----
S-n = 14.316 (0.001)-----
S-2p = 7.555 (0.000)-----
S-2n = 32.340 (0.204)-----
S-alpha= 6.507 (0.001)-----

S+p = -3.008 (0.001)
S+n = -15.454 (0.000)
S+2p = -1.418 (0.190)
S+2n = -27.526 (0.000)
S+alpha = -5.531 (0.003)

gap p = -1.349 (0.001)
gap n = -1.139 (0.001)
gap 2p = 6.137 (0.190)
gap 2n = 4.814 (0.204)
gap alpha = 0.976 (0.003)