

^{72}Cu $Z = 29$ $N = 43$ adopted link ENSDF link

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

BE = 618.230 (0.001) MeV

Qbeta- = 8.363 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
72CU 1				0.000 (2)	1 6.63 S 3
72CU 2				0.137 (3-)	2 17.6 NS 7
72CU 3				0.219 (4-)	3 0.09 NS 3
72CU 4				0.270 (6-)	4 1.76 US 3
72CU 5				0.376 (1+)	5
72CU 6				0.452 (2)	6
72CU 7				0.471 (1+)	7
72CU 8				0.476	8
72CU 9				0.673	9
72CU 10				0.987	10
72CU 11				1.517	11
72CU 12				1.709	12
72CU 13				1.762	13
72CU 14				1.895	14
72CU 15				2.060 (1+)	15
72CU 16				2.197 (1+)	16
72CU 17				2.597	17

S-p = 11.666 (0.003)-----

S-n = 5.143 (0.002)-----

S-2p = 27.836 (0.011)-----

S-2n = 12.949 (0.002)-----

S-alpha= 10.565 (0.004)-----

S+p = -13.099 (0.002)

S+n = -7.276 (0.002)

S+2p = -22.845 (0.003)

S+2n = -12.366 (0.006)

S+alpha = -8.939 (0.002)

gap p = -1.434 (0.004)

gap n = -2.133 (0.003)

gap 2p = 4.991 (0.012)

gap 2n = 0.583 (0.007)

gap alpha = 1.627 (0.005)