

^{70}Cu $Z = 29$ $N = 41$ [link to full NNDC output](#)

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

BE = 605.281 (0.001) MeV

Qbeta- = 6.588 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
70CU 1			0.000 6-		1 44.5 S 2
70CU 2			0.101 3-		2 33 S 2
70CU 3			0.228 4-		3
70CU 4	0.243	1+			4 6.6 S 2
70CU 5				0.321 (2+)	5
70CU 6				0.369 (2-)	6
70CU 7			0.511 5-		7
70CU 8				0.628	8
70CU 9				0.698 (1+)	9
70CU 10				0.706	10
70CU 11				0.939	11
70CU 12				1.278 (1+)	12
70CU 13				1.520 (1+)	13
70CU 14				1.980 (1+)	14

S-p = 10.287 (0.004)-----
 S-n = 5.312 (0.002)-----
 S-2p = 25.624 (0.190)-----
 S-2n = 13.552 (0.002)-----
 S-alpha= 8.993 (0.014)-----

S+p = -11.641 (0.003)
 S+n = -7.806 (0.002)
 S+2p = -20.190 (0.001)
 S+2n = -12.949 (0.002)
 S+alpha = -7.498 (0.003)

gap p = -1.355 (0.005)
 gap n = -2.495 (0.003)
 gap 2p = 5.434 (0.190)
 gap 2n = 0.603 (0.003)
 gap alpha = 1.495 (0.014)