

^{70}Cu $Z = 29$ $N = 41$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

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 = 25.912 (0.004) -----

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 = 5.722 (0.004)

gap 2n = 0.603 (0.003)

gap alpha = 1.495 (0.014)