

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

Based on ENSDF from Oct 2022, 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)