

$^{73}\text{Cu}$        $Z = 29$        $N = 44$       [link to full NNDC output](#)

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

BE = 625.506 ( 0.002) MeV

Qbeta- = 6.606 ( 0.003) MeV

	Energy T	J+	J-	J-other	T1/2
73CU 1			0.000	3/2-	1 4.2 S 3
73CU 2				0.135 (1/2)-	2
73CU 3				0.166 (5/2)-	3
73CU 4				0.961 (7/2)-	4 2.6 PS 3
73CU 5				1.010 (7/2-)	5
73CU 6				1.298 (7/2-)	6 15 PS 8
73CU 7				1.489 (9/2-)	7
73CU 8				1.709	8
73CU 9				2.162 (7/2+)	9
73CU 10				2.386 (9/2+,11/2+)	10

S-p = 12.050 ( 0.003)-----  
 S-n = 7.276 ( 0.002)-----  
 S-2p = 29.195 ( 0.465)-----  
 S-2n = 12.419 ( 0.002)-----  
 S-alpha= 11.133 ( 0.140)-----

S+p = -14.058 ( 0.003)  
 S+n = -5.090 ( 0.006)  
 S+2p = -24.055 ( 0.003)  
 S+2n = -11.626 ( 0.003)  
 S+alpha = -9.430 ( 0.003)

gap p = -2.008 ( 0.004)  
 gap n = 2.186 ( 0.007)  
 gap 2p = 5.140 ( 0.465)  
 gap 2n = 0.792 ( 0.004)  
 gap alpha = 1.703 ( 0.141)