^{56}Cu $Z = 29$ $N = 27$ adopted link ENSDF link

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

BE = 467.935 (0.006) MeV
Qbeta+ = 15.278 (0.006) MeV

	Energy	T	J+	J-	J-other	T1/2
56CU 1	0.000		(4+)			1 80.4 MS 8
56CU 2	0.166		(3+)			2
56CU 3	0.572		(5+)			3
S-p = 0.583 (0.006)						
56CU 4	0.826		(4+)			4
56CU 5					1.000	5
56CU 6	1.037		(2+)			6
56CU 7					1.224 (3+,5+)	7
56CU 8	1.414	1	(0+)			8
56CU 9	1.714	1	1+			9
56CU 10	2.560	1	(1+)			10
56CU 11	2.684	1	1+			11
56CU 12	3.446	1	1+			12
56CU 13	3.531	2	0+			13
56CU 14	5.000		1+			14
S-alpha= 6.711 (0.008)						
S-2p = 5.198 (0.006)						
56CU 15					12.000	15

S-p = 0.583 (0.006)
S-n = 15.066 (0.156)
S-2p = 5.198 (0.006)
S-2n = 33.505 (0.378)
S-alpha= 6.711 (0.008)

S+p = -1.232 (0.228)
S+n = -16.751 (0.006)
S+2p = 0.513 (0.290)
S+2n = -29.181 (0.006)
S+alpha = 0.000 (0.000)

gap p = -0.649 (0.228)
gap n = -1.685 (0.156)
gap 2p = 5.711 (0.290)
gap 2n = 4.325 (0.378)
gap alpha = 0.000 (0.000)