

^{64}Co $Z = 27$ $N = 37$ adopted link ENSDF link

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

BE = 555.233 (0.020) MeV

Qbeta- = 7.307 (0.020) MeV

	Energy T	J+	J-	J-other	T1/2

64CO 1	0.000	1+			1 0.30 S 3
64CO 2				0.107	2 280 MS GT
64CO 3				0.176	3
64CO 4				0.311 (1+,2+,3+	4
64CO 5				0.441 (2+,3+)	5
64CO 6	0.458	(1+)			6
64CO 7	0.673	(3+)			7
64CO 8	0.691	(1+)			8
64CO 9	0.769	(4+)			9
64CO 10				0.804	10

64CO 11	0.833	(5+)			11 6.4 NS 3
64CO 12				0.867	12
64CO 13				0.953	13
64CO 14				1.067	14
64CO 15				1.132 (1+,2+,3+	15
64CO 16				1.300	16
64CO 17	1.410	(1+)			17
64CO 18				1.541 (0+,1-,2-	18
64CO 19				1.561	19
64CO 20				1.669 (0+,1-,2-	20

64CO 21				1.773 (0+,1-,2-	21
64CO 22				1.906	22
64CO 23				1.974 (0+,1-,2-	23
64CO 24				2.058 (0+,1-,2-	24
64CO 25				2.413 (0+,1-,2-	25
64CO 26				2.494 (0+,1-,2-	26
64CO 27				2.681 (0+,1-,2-	27
64CO 28				2.817 (0+,1-,2-	28
64CO 29				3.074 (0+,1-,2-	29
64CO 30				3.188 (0+,1-,2-	30

64CO 31				3.486 (0+,1-,2-	31
64CO 32				3.644 (0+,1-,2-	32
64CO 33				4.870	33

S-p = 11.446 (0.020) -----

S-n = 6.012 (0.027) -----
S-2p = 25.846 (0.021) -----
S-2n = 14.511 (0.027) -----
S-alpha= 9.249 (0.020) -----

S+p = -12.622 (0.020)
S+n = -7.464 (0.020)
S+2p = -21.044 (0.020)
S+2n = -12.759 (0.024)
S+alpha = -8.200 (0.020)

gap p = -1.176 (0.029)
gap n = -1.452 (0.034)
gap 2p = 4.803 (0.029)
gap 2n = 1.752 (0.037)
gap alpha = 1.050 (0.028)