

^{65}Co $Z = 27$ $N = 38$ adopted link ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 562.698 (0.002) MeV

Qbeta- = 5.941 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
65CO	1			0.000 (7/2)-	1 1.16 S 3
65CO	2			0.883 (3/2-)	2
65CO	3			1.095 (1/2-)	3
65CO	4			1.223 (3/2-)	4
65CO	5			1.441 (5/2-,7/2-)	5
65CO	6			1.479 (9/2-)	6
65CO	7			1.625 (5/2-,7/2-)	7
65CO	8			1.642 (11/2-)	8
65CO	9			1.959 (1/2-,3/2-)	9
65CO	10			1.996 (3/2-)	10
65CO	11			2.183 (1/2-,3/2-)	11
65CO	12			2.443	12
65CO	13			2.479 (11/2-)	13
65CO	14			2.558	14
65CO	15			2.669 (13/2-)	15
65CO	16			2.892	16
65CO	17			2.896	17
65CO	18			2.926	18
65CO	19			3.028 (15/2-)	19
65CO	20			3.271 (15/2-,17/2+)	20

S-p = 11.505 (0.005)-----
S-n = 7.464 (0.020)-----
S-2p = 26.876 (0.004)-----
S-2n = 13.476 (0.019)-----
S-alpha= 9.868 (0.003)-----

S+p = -14.110 (0.003)
S+n = -5.295 (0.014)
S+2p = -22.712 (0.002)
S+2n = -12.279 (0.007)
S+alpha = -8.976 (0.003)

gap p = -2.605 (0.006)
gap n = 2.169 (0.025)
gap 2p = 4.164 (0.005)
gap 2n = 1.197 (0.020)

gap alpha = 0.892 (0.004)