

^{62}Co $Z = 27$ $N = 35$ adopted link ENSDF link

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

BE = 540.723 (0.019) MeV

Qbeta- = 5.322 (0.019) MeV

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

62CO 1	0.000	(2)+			1 1.54 M 10
62CO 2	0.022	(5)+			2 13.86 M 9
62CO 3				0.230	3
62CO 4				0.244	4
62CO 5	0.506	1+			5
62CO 6	0.532	1+			6
62CO 7	0.610	(5)+			7
62CO 8				0.696	8
62CO 9				0.706	3+,4+,5+ 9
62CO 10				0.863	10

62CO 11				0.901	11
62CO 12				0.920	12
62CO 13				1.172	13
62CO 14				1.216 (6)	14
62CO 15				1.248	15
62CO 16				1.271	16
62CO 17				1.359	1+,2+,3+ 17
62CO 18				1.469	18
62CO 19				1.500	19
62CO 20				1.543 (7)	20 1.32 PS 28

62CO 21				1.667	21
62CO 22				1.692	22
62CO 23				1.805	(1+,2+,3+ 23
62CO 24				1.820	24
62CO 25				1.873	25
62CO 26				1.979	26
62CO 27				2.079	27
62CO 28				2.120	28
62CO 29				2.135	29
62CO 30				2.165	30

62CO 31				2.281	31
62CO 32				2.310 (8)	32 0.28 PS LT
62CO 33	2.344	(7+)			33
62CO 34				2.420	34
62CO 35				2.521	(1+,2+,3+ 35
62CO 36				2.647	36

62C0	37				2.754	37
62C0	38		2.880	(7+)		38
62C0	39				2.920	39
62C0	40				3.460	40

62C0	41				3.790	41
62C0	42				4.100	42
62C0	43		4.180	(7+)		43
62C0	44		4.380	(7+)		44
62C0	45		4.450	(7+)		45
62C0	46		4.600	(7+)		46

S-p = 9.793 (0.019) -----
 S-n = 6.598 (0.019) -----
 S-2p = 23.034 (0.019) -----
 S-2n = 15.917 (0.019) -----
 S-alpha = 8.022 (0.019) -----

S+p = -11.377 (0.019)
 S+n = -8.498 (0.026)
 S+2p = -18.578 (0.019)
 S+2n = -14.511 (0.027)
 S+alpha = -7.259 (0.019)

gap p = -1.584 (0.026)
 gap n = -1.901 (0.032)
 gap 2p = 4.457 (0.026)
 gap 2n = 1.406 (0.033)
 gap alpha = 0.763 (0.026)