

^{64}Co $Z = 27$ $N = 37$ [link to full NNDC output](#)

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

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			0.176	2
64CO	3			0.311 (1+,2+,3+)	3
64CO	4			0.441 (2+,3+)	4
64CO	5			0.458 (1+)	5
64CO	6			0.673 (3+)	6
64CO	7			0.691 (1+)	7
64CO	8			0.770 (4+)	8
64CO	9			0.804	9
64CO	10			0.834 (5+)	10 6.4 NS 3
64CO	11			0.867	11
64CO	12			0.953	12
64CO	13			1.067	13
64CO	14			1.132 (1+,2+,3+)	14
64CO	15			1.300	15
64CO	16			1.410 (1+)	16
64CO	17			1.541	17
64CO	18			1.561	18
64CO	19			1.669	19
64CO	20			1.773	20
64CO	21			1.906	21
64CO	22			1.974	22
64CO	23			2.058	23
64CO	24			2.413	24
64CO	25			2.494	25
64CO	26			2.681	26
64CO	27			2.817	27
64CO	28			3.074	28
64CO	29			3.188	29
64CO	30			3.486	30
64CO	31			3.644	31
64CO	32			4.870	32

S-p = 11.446 (0.020)

S-n = 6.012 (0.027)

S-2p = 25.846 (0.021)

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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 = -1.177 ( 0.029)  
gap n = -1.452 ( 0.034)  
gap 2p = 4.802 ( 0.029)  
gap 2n = 1.752 ( 0.037)  
gap alpha = 1.050 ( 0.028)
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