

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

Based on ENSDF from Oct 2022, 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)

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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)
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