

$^{51}\text{Co}$        $Z = 27$        $N = 24$       adopted link      ENSDF link

Based on ensdf\_240402 (Apr 2024), and mass evaluation from 2020

BE      =      417.856 ( 0.048) MeV

Qbeta+ =      12.847 ( 0.048) MeV

	Energy T	J+		J-		J-other		T1/2
51CO	1			0.000	7/2-			1 68.8 MS 19
51CO	2			0.000	7/2-			2
51CO	3			0.000	7/2-			3 68.8 MS 19

S-p      =      0.155 ( 0.049) -----  
 S-n      =      17.824 ( 0.135) -----  
 S-2p     =      4.300 ( 0.048) -----  
 S-2n     =      33.696 ( 0.492) -----  
 S-alpha=    7.201 ( 0.058) -----

S+p      =     -2.507 ( 0.096)  
 S+n      =     -15.073 ( 0.049)  
 S+2p     =     -0.367 ( 0.479)  
 S+2n     =     -31.460 ( 0.048)  
 S+alpha   =     -6.718 ( 0.163)

gap p     =     -2.352 ( 0.108)  
 gap n     =      2.751 ( 0.143)  
 gap 2p    =      3.933 ( 0.482)  
 gap 2n    =      2.236 ( 0.495)  
 gap alpha =      0.482 ( 0.173)