

^{53}Co $Z = 27$ $N = 26$ adopted link ENSDF link

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

BE = 449.316 (0.002) MeV

Qbeta+ = 8.288 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2	
53CO 1				0.000 (7/2-)	1 240 MS	9
53CO 2				1.327 (9/2-)	2	
S-p	= 1.616 (0.002)	-----				
53CO 3				2.367 (11/2-)	3	
53CO 4				3.197 (19/2-)	4 247 MS	12
53CO 5				3.261 (13/2-)	5	
53CO 6				3.581 (15/2-)	6	
53CO 7				4.115 (17/2-)	7	
53CO 8				4.390 (7/2-)	8	

S-p = 1.616 (0.002)-----

S-n = 16.387 (0.006)-----

S-2p = 8.994 (0.002)-----

S-2n = 31.460 (0.048)-----

S-alpha= 7.464 (0.003)-----

S+p = -3.908 (0.005)

S+n = -13.422 (0.002)

S+2p = -3.554 (0.156)

S+2n = -27.513 (0.002)

S+alpha = -7.075 (0.002)

gap p = -2.292 (0.005)

gap n = 2.965 (0.006)

gap 2p = 5.440 (0.156)

gap 2n = 3.947 (0.049)

gap alpha = 0.390 (0.003)