

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

Based on ensdf_240402 (Apr 2024), 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)