^{63}Co $Z = 27$ $N = 36$ link to full NNDC output

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

BE = 549.221 (0.019) MeV
Qbeta- = 3.661 (0.019) MeV

	Energy	T	J+		J-		J-other		T1/2	
63CO 1				0.000	7/2-			1	27.4 S	5
63CO 2				0.995	3/2-			2	10 PS	GT
63CO 3						1.384	(9/2-)	3		
63CO 4						1.427	(7/2-,5/2-)	4		
63CO 5						1.495	(3/2-)	5		
63CO 6						1.577		6		
63CO 7						1.674	(11/2-)	7		
63CO 8						1.888	(1/2,3/2)-	8		
63CO 9						2.078	(5/2,7/2)-	9		
63CO 10				2.129	7/2-			10	155 FS	+34-26
63CO 11	2.191		1/2+					11	47 FS	+45-21
63CO 12				2.330	7/2-			12	143 FS	+22-16
63CO 13						2.375	(5/2,7/2,9/2)-	13	136 FS	+108-45
63CO 14						2.473	(5/2,7/2)-	14		
63CO 15						2.539	(11/2-)	15		
63CO 16						2.689	3/2+,5/2+	16	238 FS	+54-41
63CO 17						2.794	(5/2,7/2)-	17		
63CO 18						2.882	(1/2,3/2)-	18		
63CO 19						2.932	7/2-,5/2-	19		
63CO 20						3.007	(13/2-)	20		
63CO 21						3.034	(13/2)	21		
63CO 22						3.037	5/2,7/2-	22		
63CO 23						3.133	(5/2-,7/2-)	23	0.15 PS	+10-5
63CO 24						3.180	5/2-,7/2-	24	56 FS	+13-10
63CO 25						3.204	(15/2)-	25		
63CO 26						3.226	(15/2-)	26		
63CO 27						3.413	(3/2,5/2)+	27	41 FS	+41-20
63CO 28						3.422	(7/2,5/2)-	28		
63CO 29						3.581	(17/2)-	29	1.2 PS	+6-3
63CO 30						3.602	(5/2,7/2)-	30		
63CO 31						3.611	(17/2-)	31	0.7 PS	+2-1
63CO 32						3.676	(5/2,7/2)-	32		
63CO 33						3.766	(5/2,7/2)-	33		
63CO 34						3.893	(3/2+,5/2+)	34		
63CO 35						3.985	(5/2,7/2)-	35		
63CO 36						4.039	3/2+,5/2+	36		
63CO 37						4.094	(3/2+,5/2+)	37		

63CO 38			4.127	(3/2+,5/2+)	38
63CO 39			4.167	(19/2)-	39 0.21 PS
63CO 40			4.234	(3/2+,5/2+)	40
63CO 41			4.376	(3/2+,5/2+)	41
63CO 42			4.453	(3/2+,5/2+)	42
63CO 43			4.524	(3/2+,5/2+)	43
63CO 44			4.538	(3/2+,5/2+)	44
63CO 45			4.588	(3/2+,5/2+)	45
63CO 46			4.700	(3/2+,5/2+)	46
63CO 47			4.722	(3/2+,5/2+)	47
63CO 48			4.820	(3/2+,5/2+)	48
63CO 49			4.886	(3/2+,5/2+)	49
63CO 50			4.968	(3/2+,5/2+)	50
63CO 51			5.010	(3/2+,5/2+)	51
63CO 52			5.080	(3/2+,5/2+)	52
63CO 53			5.215	(3/2+,5/2+)	53
63CO 54			5.294	(3/2+,5/2+)	54
63CO 55			5.342	(3/2+,5/2+)	55
63CO 56			5.457	(3/2+,5/2+)	56
63CO 57			5.659	3/2+,5/2+	57

S-p = 10.262 (0.019)
S-n = 8.499 (0.026)
S-2p = 24.687 (0.019)
S-2n = 15.096 (0.019)
S-alpha= 8.751 (0.019)

S+p = -12.536 (0.019)
S+n = -6.012 (0.027)
S+2p = -19.990 (0.019)
S+2n = -13.476 (0.019)
S+alpha = -7.893 (0.019)

gap p = -2.274 (0.026)
gap n = 2.486 (0.038)
gap 2p = 4.697 (0.026)
gap 2n = 1.620 (0.026)
gap alpha = 0.858 (0.026)