

¹⁰⁹I Z = 53 N = 56 adopted link ENSDF link

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

BE = 895.982 (0.007) MeV

Qbeta+ = 10.043 (0.008) MeV

	Energy T	J+	J-	J-other	T1/2
S-alpha=	-3.918 (0.023)				
S-p =	-0.820 (0.009)				
109I	1			0.000 (1/2+,3/2+	1) 92.8 US 8

S-p = -0.820 (0.009)-----

S-n = 12.974 (0.108)-----

S-2p = 1.597 (0.008)-----

S-2n = 24.360 (0.321)-----

S-alpha= -3.918 (0.023)-----

S+p = -1.539 (0.101)

S+n = -10.867 (0.062)

S+2p = 0.212 (0.222)

S+2n = -23.424 (0.008)

S+alpha = 3.483 (0.011)

gap p = -2.359 (0.102)

gap n = 2.107 (0.125)

gap 2p = 1.809 (0.222)

gap 2n = 0.936 (0.321)

gap alpha = -0.435 (0.025)