

^{53}Ni $Z = 28$ $N = 25$ adopted link ENSDF link

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

BE = 435.505 (0.025) MeV

Qbeta+ = 13.029 (0.025) MeV

	Energy T	J+	J-	J-other	T1/2
53NI 1				0.000 3/2 (7/2-)	1 55.2 MS 7
53NI 2				0.320 (5/2-)	2
53NI 3				1.453 (11/2-)	3
53NI 4				0.000 (7/2-)	4

S-p = 2.576 (0.026)-----
 S-n = 15.142 (0.087)-----
 S-2p = 4.020 (0.025)-----
 S-2n = 34.135 (0.511)-----
 S-alpha= 7.305 (0.035)-----

S+p = 1.075 (0.379)
 S+n = -17.719 (0.026)
 S+2p = 0.785 (0.386)
 S+2n = -31.848 (0.025)
 S+alpha = -5.366 (0.229)

gap p = 3.651 (0.380)
 gap n = -2.576 (0.090)
 gap 2p = 4.805 (0.387)
 gap 2n = 2.287 (0.511)
 gap alpha = 1.939 (0.232)