

^{69}Ni $Z = 28$ $N = 41$ adopted link ENSDF link

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

BE = 594.994 (0.004) MeV

Qbeta- = 5.758 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2	
69NI 1				0.000 (9/2+)	1 11.4 S	3
69NI 2				0.321 (1/2-)	2 3.5 S	4
69NI 3				0.915 (5/2-)	3 120 PS	34
69NI 4				1.517 (5/2-)	4	
69NI 5				1.821	5	
69NI 6				1.959 (9/2-)	6	
69NI 7				2.241 (13/2+)	7	
69NI 8				2.552 (13/2-)	8 519 PS	24
69NI 9				2.700 (17/2-)	9 0.439 US	3

S-p = 15.625 (0.005)-----

S-n = 4.586 (0.005)-----

S-2p = 28.848 (0.005)-----

S-2n = 12.379 (0.005)-----

S-alpha= 11.186 (0.006)-----

S+p = -10.287 (0.004)

S+n = -7.307 (0.004)

S+2p = -21.928 (0.005)

S+2n = -11.570 (0.004)

S+alpha = -8.040 (0.004)

gap p = 5.338 (0.007)

gap n = -2.720 (0.006)

gap 2p = 6.920 (0.007)

gap 2n = 0.808 (0.006)

gap alpha = 3.146 (0.008)