

^{69}Ni $Z = 28$ $N = 41$ [link to full NNDC output](#)

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

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

S-p = 15.337 (0.190)-----
 S-n = 4.586 (0.005)-----
 S-2p = 28.946 (0.270)-----
 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 = 5.050 (0.190)
 gap n = -2.720 (0.006)
 gap 2p = 7.018 (0.270)
 gap 2n = 0.808 (0.006)
 gap alpha = 3.146 (0.008)