

^{72}Ni $Z = 28$ $N = 44$ [link to full NNDC output](#)

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

BE = 613.455 (0.002) MeV

Qbeta- = 5.557 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
72Ni	1 0.000	0+			1 1.57 S 5
72Ni	2			1.096 (2+)	2
72Ni	3			1.941 (4+)	3
72Ni	4			2.396 (6+)	4
72Ni	5			3.593 (5-,6-,7-)	5

S-p = 17.145 (0.465)-----

S-n = 6.891 (0.003)-----

S-2p = 0.000 (0.000)-----

S-2n = 11.155 (0.003)-----

S-alpha= 13.164 (0.365)-----

S+p = -12.050 (0.003)

S+n = -3.953 (0.003)

S+2p = -26.109 (0.003)

S+2n = 0.000 (0.000)

S+alpha = -10.502 (0.003)

gap p = 5.095 (0.465)

gap n = 2.938 (0.005)

gap 2p = 0.000 (0.000)

gap 2n = 0.000 (0.000)

gap alpha = 2.662 (0.365)