

^{70}Ni $Z = 28$ $N = 42$ adopted link ENSDF link

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

BE = 602.300 (0.002) MeV

Qbeta- = 3.763 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
70Ni 1	0.000	0+			1 6.0 S 3
70Ni 2	1.260	2+			2 1.04 PS 17
70Ni 3				1.567 (0+)	3 70 NS LT
70Ni 4				1.867 (2+)	4
70Ni 5	2.229	4+			5
70Ni 6				2.507	6
70Ni 7				2.516	7
70Ni 8	2.678	6+			8 1.049 NS 26
70Ni 9	2.861	8+			9 0.232 US 1
70Ni 10				2.912 (5,6+)	10
70Ni 11				3.210	11
70Ni 12				3.511	12
70Ni 13				3.592	13
70Ni 14				3.758	14
70Ni 15				4.872	15
70Ni 16				5.354	16

S-p = 16.117 (0.086)-----
 S-n = 7.307 (0.004)-----
 S-2p = 29.876 (0.204)-----
 S-2n = 11.893 (0.004)-----
 S-alpha= 11.571 (0.005)-----

S+p = -10.786 (0.003)
 S+n = -4.264 (0.003)
 S+2p = -23.510 (0.003)
 S+2n = -11.155 (0.003)
 S+alpha = -8.968 (0.003)

gap p = 5.331 (0.086)
 gap n = 3.043 (0.005)
 gap 2p = 6.367 (0.204)
 gap 2n = 0.738 (0.005)
 gap alpha = 2.603 (0.006)