

^{66}Ni $Z = 28$ $N = 38$ adopted link ENSDF link

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

BE = 576.808 (0.001) MeV

Qbeta- = 0.252 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
66NI 1	0.000	0+			1 54.6 H 3
66NI 2	1.425	2+			2 0.8 PS 2
66NI 3	2.445	0+			3
66NI 4				2.664 (0+)	4
66NI 5				2.671 (3+)	5
66NI 6	2.916	2+			6
66NI 7	2.965	0+			7
66NI 8				3.185 (4+)	8
66NI 9	3.231	2+			9
66NI 10			3.371 3-		10
66NI 11				3.390 (5-)	11
66NI 12				3.541	12
66NI 13				3.599 (6-)	13 4.3 NS 4
66NI 14				3.646	14
66NI 15			3.678 3-		15
66NI 16				3.725	16
66NI 17	3.746	2+			17
66NI 18				3.782	18
66NI 19				4.028	19
66NI 20				4.070	20
66NI 21			4.089 7-		21
66NI 22				4.125 (4+)	22
66NI 23				4.407	23
66NI 24				4.500	24
66NI 25				4.655	25
66NI 26				4.696	26
66NI 27				4.738	27
66NI 28				4.760 (5-)	28
66NI 29				4.796	29
66NI 30				4.919	30
66NI 31				4.967	31
66NI 32				5.109	32
66NI 33				5.157	33
66NI 34				5.175 (8+)	34
66NI 35				5.192	35
66NI 36				5.237	36
66NI 37				5.260	37

66NI 38				5.327		38
66NI 39				5.368		39
66NI 40				5.503		40

66NI 41				5.584		41
66NI 42				5.612		42
66NI 43				5.660		43
66NI 44				5.745		44
66NI 45				5.787		45
66NI 46				5.836		46
66NI 47				5.885		47
66NI 48				6.004		48
66NI 49				6.027		49
66NI 50				6.074		50

66NI 51				6.122		51
66NI 52				6.166		52
66NI 53				6.217		53
66NI 54				6.267		54
66NI 55				6.304		55
66NI 56				6.339		56
66NI 57				6.384		57
66NI 58				6.457		58
66NI 59				6.525		59
66NI 60				6.556		60

66NI 61				6.580	(10+)	61
66NI 62				6.600		62
66NI 63				6.665		63
66NI 64				6.730		64

S-p = 14.110 (0.003)-----
S-n = 8.952 (0.001)-----
S-2p = 25.615 (0.005)-----
S-2n = 15.050 (0.001)-----
S-alpha= 9.553 (0.003)-----

S+p = -8.602 (0.002)
S+n = -5.808 (0.003)
S+2p = -18.579 (0.002)
S+2n = -13.600 (0.003)
S+alpha = -5.983 (0.002)

gap p = 5.508 (0.003)
gap n = 3.144 (0.004)
gap 2p = 7.036 (0.005)
gap 2n = 1.450 (0.004)
gap alpha = 3.570 (0.004)