

^{75}Zn $Z = 30$ $N = 45$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 644.437 (0.002) MeV

Qbeta- = 5.902 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2

75ZN 1	0.000	(7/2+)			1 10.2 S 2
75ZN 2			0.127	(1/2-)	2
75ZN 3				0.152 (1/2+,3/2	3
75ZN 4				0.236 (3/2,5/2-	4
75ZN 5				0.345 (3/2+,5/2	5
75ZN 6				0.421 (3/2+,5/2	6
75ZN 7	0.476	(9/2+)			7
75ZN 8				0.725 (3/2,5/2-	8
75ZN 9				0.933	9
75ZN 10				1.013	10

75ZN 11				1.102 (3/2,5/2-	11
75ZN 12			1.144	(7/2-)	12
75ZN 13	1.304	(5/2+)			13
75ZN 14				1.318	14
75ZN 15				1.551	15
75ZN 16				1.606 (5/2+,7/2	16
75ZN 17				1.788	17
75ZN 18				1.864	18
75ZN 19				1.916 (5/2+,7/2	19
75ZN 20				2.043	20

75ZN 21				2.230 (5/2+,7/2	21
75ZN 22				2.240	22
75ZN 23				2.316	23
75ZN 24				2.340	24
75ZN 25				2.851	25
75ZN 26				2.871	26
75ZN 27				2.905	27
75ZN 28			2.907	(7/2-)	28
75ZN 29				2.970	29
75ZN 30				3.000	30

75ZN 31				3.020	31
75ZN 32				3.087 (3/2-,5/2	32
75ZN 33				3.127 (3/2-,5/2	33
75ZN 34				3.167	34
75ZN 35				3.235 (3/2-,5/2	35
75ZN 36				3.267	36

75ZN 37			3.341 (5/2+,7/2	37
75ZN 38			3.362 (3/2-,5/2	38
75ZN 39			3.407	39
75ZN 40			3.425	40

75ZN 41			3.492	41
75ZN 42			3.531 (5/2+,7/2	42
75ZN 43			3.546	43
75ZN 44			3.574 (5/2+,7/2	44
75ZN 45			3.577	45
75ZN 46			3.668	46
75ZN 47			3.818	47
75ZN 48			3.840 (5/2+,7/2	48
75ZN 49			3.887	49
75ZN 50			3.897	50

75ZN 51			3.900	51
75ZN 52			3.999	52
75ZN 53			4.010	53
75ZN 54			4.016	54
75ZN 55			4.035	55
75ZN 56			4.359	56
75ZN 57			4.599	57
75ZN 58			4.686	58
S-n	=	4.873 (0.003)	-----	
75ZN 59			4.990	59
75ZN 60			5.022	60

S-p = 13.842 (0.006) -----
S-n = 4.873 (0.003) -----
S-2p = 27.029 (0.003) -----
S-2n = 13.108 (0.003) -----
S-alpha= 9.578 (0.003) -----

S+p = -11.027 (0.003)
S+n = -7.815 (0.002)
S+2p = -23.232 (0.002)
S+2n = -12.373 (0.003)
S+alpha = -9.393 (0.037)

gap p = 2.815 (0.007)
gap n = -2.942 (0.004)
gap 2p = 3.797 (0.004)
gap 2n = 0.735 (0.004)
gap alpha = 0.184 (0.037)