

$^{75}\text{Zn}$        $Z = 30$        $N = 45$       [link to full NNDC output](#)

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

BE = 644.437 ( 0.002) MeV

Qbeta- = 5.906 ( 0.003) 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-,5/2,7/2)	32
75ZN 33				3.127 (3/2-,5/2,7/2)	33
75ZN 34				3.167	34
75ZN 35				3.235 (3/2-,5/2,7/2)	35
75ZN 36				3.267	36
75ZN 37				3.341 (5/2+,7/2)	37

75ZN	38				3.362	(3/2-,5/2,7/2)	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= 9.577 ( 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 = 0.185 ( 0.037)