

^{60}Zn $Z = 30$ $N = 30$ adopted link ENSDF link

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

BE = 514.983 (0.001) MeV

Qbeta+ = 4.171 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
60ZN 1	0.000	0+			1 2.38 M 5
60ZN 2	1.004	2+			2
60ZN 3	2.193	4+			3
60ZN 4				2.559 (2+)	4
S-alpha=	2.692 (0.001)				
60ZN 5				3.035	5
60ZN 6				3.200	6
60ZN 7				3.510 (3+)	7
60ZN 8				3.627	8
60ZN 9				3.710 (4+)	9
60ZN 10	3.808	6+			10
60ZN 11				3.812	11
60ZN 12				3.972 2	12
60ZN 13				4.180 (0+,2+)	13
60ZN 14				4.200 5(+)	14
60ZN 15				4.351 5(+)	15
60ZN 16				4.400 (5-)	16
60ZN 17				4.776 5(+)	17
60ZN 18				4.852 (2+)	18
60ZN 19	4.913	2+			19
S-p =	5.105 (0.001)				
60ZN 20	5.200	2+			20
60ZN 21	5.292	8+			21
60ZN 22				5.300 (7-)	22
60ZN 23				5.337 3(+),4(+)	23
60ZN 24	5.503	2+			24
60ZN 25				5.970	25
60ZN 26				6.360	26
60ZN 27				6.639	27
60ZN 28				6.950 (8+)	28
60ZN 29				7.130	29
60ZN 30				7.372 4	30
60ZN 31	7.380	0+			31
60ZN 32				7.660	32
60ZN 33				7.980 (8+)	33
60ZN 34				8.300 (6+)	34
60ZN 35	8.476	10+			35

S-2p	=	8.524 (0.001)	-----			
60ZN 36				8.636	(10+)	36
60ZN 37				8.702		37
60ZN 38				9.620	(8+)	38

S-p	=	5.105 (0.001)	-----			
S-n	=	15.030 (0.001)	-----			
S-2p	=	8.524 (0.001)	-----			
S-2n	=	28.018 (0.050)	-----			
S-alpha	=	2.692 (0.001)	-----			

S+p	=	-0.249 (0.038)
S+n	=	-10.246 (0.016)
S+2p	=	-2.531 (0.124)
S+2n	=	-23.136 (0.001)
S+alpha	=	-2.566 (0.004)

gap p	=	4.856 (0.038)
gap n	=	4.784 (0.016)
gap 2p	=	5.993 (0.124)
gap 2n	=	4.882 (0.050)
gap alpha	=	0.126 (0.004)