

^{77}Zn $Z = 30$ $N = 47$ [link to full NNDC output](#)

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

BE = 656.810 (0.002) MeV

Qbeta- = 7.203 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
77ZN	1	|	|	0.000 (7/2+)	1 2.08 S 5
77ZN	2	|	|	0.115 (9/2+)	2
77ZN	3	|	|	0.772 (1/2-)	3 1.05 S 10
77ZN	4	|	|	0.802 (11/2+)	4
77ZN	5	|	|	1.130	5
77ZN	6	|	|	1.235	6
77ZN	7	|	|	1.278 (5/2-,3/2+)	7
77ZN	8	|	|	1.285	8
77ZN	9	|	|	1.364 (1/2+,3/2-)	9
77ZN	10	|	|	1.409	10
77ZN	11	|	|	1.427	11
77ZN	12	|	|	1.637	12
77ZN	13	|	|	1.876	13
77ZN	14	|	|	2.083	14
77ZN	15	|	|	2.153	15
77ZN	16	|	|	2.235 (5/2+)	16
77ZN	17	|	|	2.380	17
77ZN	18	|	|	2.527	18
77ZN	19	|	|	2.546	19
77ZN	20	|	|	2.574	20
77ZN	21	|	|	2.654	21
77ZN	22	|	|	2.873	22
77ZN	23	|	|	2.892	23
77ZN	24	|	|	3.001	24
77ZN	25	|	|	3.083	25
77ZN	26	|	|	3.095	26
77ZN	27	|	|	3.139	27
77ZN	28	|	|	3.205	28
77ZN	29	|	|	3.387	29
77ZN	30	|	|	3.427	30
77ZN	31	|	|	3.710	31
77ZN	32	|	|	3.744	32
77ZN	33	|	|	3.824	33
77ZN	34	|	|	4.334	34
77ZN	35	|	|	4.532	35
S-n	=	4.557 (0.002)			
77ZN	36	|	|	4.605	36

S-p	=	15.102	(	0.007)	-----
S-n	=	4.557	(	0.002)	-----
S-2p	=	0.000	(	0.000)	-----
S-2n	=	12.373	(	0.003)	-----
S-alpha	=	11.106	(	0.003)	-----
S+p	=	-12.206	(	0.003)	
S+n	=	-6.765	(	0.003)	
S+2p	=	-25.315	(	0.037)	
S+2n	=	-10.786	(	0.003)	
S+alpha	=	-9.927	(	0.003)	
gap p	=	2.897	(	0.007)	
gap n	=	-2.208	(	0.004)	
gap 2p	=	0.000	(	0.000)	
gap 2n	=	1.587	(	0.004)	
gap alpha	=	1.179	(	0.004)	