

^{188}W $Z = 74$ $N = 114$ adopted link ENSDF link

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

BE = 1498.182 (0.003) MeV

Qbeta- = 0.349 (0.003) MeV

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

S-alpha=	-0.407	(0.040)	-----		

188W 1	0.000	0+			1 69.78 D 12
188W 2	0.143	2+			2 0.87 NS 12
188W 3	0.439	4+			3
188W 4	0.628	2+			4
188W 5				0.780	5
188W 6				0.854 (0+,2,4+)	6
188W 7	0.871	6+			7
188W 8	0.886	(0+)			8
188W 9	0.939	4+			9
188W 10			0.979	2(-)	10

188W 11			1.071	3(-)	11
188W 12			1.194	4(-)	12
188W 13				1.229 2+,3,4+	13
188W 14			1.342	5(-)	14
188W 15	1.425	8+			15
188W 16				1.437	16
188W 17				1.473	17
188W 18			1.534	6(-)	18
188W 19	1.538	(5+)			19
188W 20				1.544	20

188W 21				1.721	21
188W 22			1.729	7(-)	22
188W 23			1.743	7(-)	23
188W 24				1.816	24
188W 25				1.897	25
188W 26				1.915	26
188W 27			1.927	8-	27 109.5 NS 35
188W 28	1.960	(0+)			28
188W 29				1.994	29
188W 30				2.028	30

188W 31				2.104	31
188W 32				2.175	32
188W 33				2.264	33
188W 34			2.274	(9-)	34
188W 35				2.314	35

188W	36				2.394		36
188W	37				2.427		37
188W	38		2.666	(10-)			38
188W	39		3.087	(11-)			39

S-p = 9.061 (0.056) -----
 S-n = 6.835 (0.003) -----
 S-2p = 16.822 (0.051) -----
 S-2n = 12.302 (0.003) -----
 S-alpha= -0.407 (0.040) -----

S+p = -6.600 (0.009)
 S+n = -5.124 (0.189)
 S+2p = -14.618 (0.003)
 S+2n = -11.844 (0.036)
 S+alpha = 0.361 (0.004)

gap p = 2.461 (0.057)
 gap n = 1.711 (0.189)
 gap 2p = 2.204 (0.051)
 gap 2n = 0.458 (0.036)
 gap alpha = -0.046 (0.040)