

^{168}W $Z = 74$ $N = 94$ adopted link ENSDF link

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

BE = 1342.981 (0.013) MeV

Qbeta+ = 3.501 (0.031) MeV

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

S-alpha=	-4.501	(0.021)	-----		
168W	1 | 0.000	0+	|	|	1 50.9 S 19
168W	2 | 0.199	2+	|	|	2 213 PS 10
168W	3 | 0.562	4+	|	|	3 12 PS 3
168W	4 |	|	|	0.859	4
168W	5 | 1.042	6+	|	|	5 7 PS LT
168W	6 |	|	|	1.117	6
168W	7 |	|	|	1.279	7
168W	8 |	|	|	1.536	5(-)
168W	9 |	|	|	1.577	(4-,5-)
168W	10 |	|	|	1.587	9

168W	11 | 1.600	8+	|	|	11 2.1 PS LT
168W	12 |	|	|	1.699	12
168W	13 |	|	|	1.761	13
168W	14 |	|	|	1.834	7(-)
168W	15 |	|	|	1.916	(6-)
168W	16 | 2.202	10+	|	|	16 0.69 PS 14
168W	17 |	|	|	2.213	(9-)
168W	18 |	|	|	2.220	17 12 PS LT
168W	19 |	|	|	2.318	(8-)
168W	20 |	|	|	2.430	18

168W	21 |	|	|	2.480	19
168W	22 |	|	|	2.582	(10+)
168W	23 |	|	|	2.621	(10-)
168W	24 |	|	|	2.628	(11-)
168W	25 |	|	|	2.722	(12+)
168W	26 | 2.817	12+	|	|	24 5.2 PS 3
168W	27 |	|	|	2.967	(12-)
168W	28 |	|	|	3.010	(14+)
168W	29 |	|	|	3.073	(13-)
168W	30 |	|	|	3.420	(14+)

168W	31 |	|	|	3.446	(14-)
168W	32 |	|	|	3.447	(16+)
168W	33 |	|	|	3.577	(15-)
S-p	= 3.831	(0.031)	-----		
168W	34 |	|	|	4.003	(16+)
168W	35 |	|	|	4.012	(18+)

168W	36	|	|	|	4.029	(16-)	36		
168W	37	|	|	|	4.130	(17-)	37	0.8 PS	4
168W	38	|	|	|	4.570	(18+)	38		
168W	39	|	|	|	4.588	(18-)	39		
168W	40	|	|	|	4.683	(20+)	40		

168W	41	|	|	|	4.703	(19-)	41		
168W	42	|	|	|	5.098	(20-)	42		
168W	43	|	|	|	5.174	(20+)	43		
168W	44	|	|	|	5.288	(21-)	44		
168W	45	|	|	|	5.437	(22+)	45		
S-2p	=	5.612	(	0.031)	-----				
168W	46	|	|	|	5.658	(22-)	46		
168W	47	|	|	|	5.843	(22+)	47		
168W	48	|	|	|	5.914	(23-)	48		
168W	49	|	|	|	6.246	(24+)	49		
168W	50	|	|	|	6.308	(24-)	50		

168W	51	|	|	|	6.585	(24+)	51		
168W	52	|	|	|	6.607	(25-)	52		
168W	53	|	|	|	7.057	(26-)	53		
168W	54	|	|	|	7.077	(26+)	54		
168W	55	|	|	|	7.376	(27-)	55		
168W	56	|	|	|	7.402	(26+)	56		
168W	57	|	|	|	7.898	(28-)	57		
168W	58	|	|	|	7.920	(28+)	58		
168W	59	|	|	|	8.223	(29-)	59		
168W	60	|	|	|	8.788	(30+)	60		

168W	61	|	|	|	8.815	(30-)	61		
168W	62	|	|	|	9.137	(31-)	62		
168W	63	|	|	|	9.696	(32+)	63		
168W	64	|	|	|	9.790	(32-)	64		

S-p	=	3.831	(	0.031)	-----				
S-n	=	10.871	(	0.023)	-----				
S-2p	=	5.612	(	0.031)	-----				
S-2n	=	19.148	(	0.016)	-----				
S-alpha	=	-4.501	(	0.021)	-----				
S+p	=	-0.805	(	0.017)					
S+n	=	-8.096	(	0.020)					
S+2p	=	-3.611	(	0.016)					
S+2n	=	-18.541	(	0.019)					
S+alpha	=	5.224	(	0.018)					
gap p	=	3.025	(	0.036)					
gap n	=	2.775	(	0.031)					
gap 2p	=	2.001	(	0.035)					

gap 2n = 0.607 (0.025)
gap alpha = 0.724 (0.028)