

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

Based on ensdf\_240402 (Apr 2024), 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
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S-alpha=	-4.501	( 0.021)	-----					
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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(-)		8	
168W	9					1.577 (4-,5-)	9	
168W	10					1.587	10	
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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(-)		14	3.1 PS GT
168W	15			1.916	(6-)		15	
168W	16	2.202	10+				16	0.69 PS 14
168W	17			2.213	(9-)		17	12 PS LT
168W	18					2.220	18	
168W	19			2.318	(8-)		19	
168W	20					2.430	20	
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168W	21					2.480	21	
168W	22	2.582	(10+)				22	104 PS GT
168W	23			2.621	(10-)		23	
168W	24			2.628	(11-)		24	5.2 PS 3
168W	25	2.722	(12+)				25	60.6 PS 23
168W	26	2.817	12+				26	
168W	27			2.967	(12-)		27	
168W	28	3.010	(14+)				28	26.5 PS 10
168W	29			3.073	(13-)		29	3.7 PS 3
168W	30	3.420	(14+)				30	
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168W	31			3.446	(14-)		31	
168W	32	3.447	(16+)				32	3.5 PS 4
168W	33			3.577	(15-)		33	1.5 PS 4
S-p	=	3.831	( 0.031)	-----				
168W	34	4.003	(16+)				34	

168W	35		4.012	(18+)						35	1.04 PS	21
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		
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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		
168W	65					10.108	(33-)			65		
168W	66		10.653	(34+)						66		
168W	67					10.813	(34-)			67		
S-n	=		10.871	( 0.023)								
168W	68					11.128	(35-)			68		
-----												
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)								
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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)