

^{170}W $Z = 74$ $N = 96$ adopted link ENSDF link

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

BE = 1361.521 (0.013) MeV

Qbeta+ = 2.847 (0.031) MeV

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

S-alpha=	-4.143 (0.031)-----				
170W	1 0.000	0+			1 2.42 M 4
170W	2 0.157	2+			2 497 PS 10
170W	3 0.462	4+			3 19.6 PS 19
170W	4 0.876	6+			4 4.3 PS 3
170W	5			0.937 (2+)	5
170W	6			0.952 (2+)	6
170W	7			1.074 (3+)	7
170W	8			1.153 (2+,3,4+)	8
170W	9 1.202	4+			9
170W	10			1.220 (4+)	10

170W	11			1.314 (3-)	11
170W	12			1.328 (2-)	12
170W	13 1.363	8+			13 1.9 PS 5
170W	14			1.493 (4-)	14
170W	15		1.517 5-		15
170W	16 1.578	6+			16
170W	17			1.719 (4+,5,6+)	17
170W	18		1.792 7-		18 30 PS 7
170W	19			1.811 (6-)	19
170W	20			1.876	20

170W	21 1.901	10+			21 1.30 PS 24
170W	22			1.975	22
170W	23			2.080	23
170W	24		2.154 9-		24 4.9 PS 10
170W	25			2.204 (8-)	25
170W	26			2.345	26
170W	27			2.443	27
170W	28 2.464	12+			28 1.11 PS 21
170W	29			2.481	29
170W	30			2.552 (10-)	30

170W	31			2.553	31
170W	32		2.578 11-		32 3.0 PS 8
170W	33			2.610 (10-)	33
170W	34			2.650	34
170W	35			2.898 (12-)	35 15 PS 3
170W	36			2.911 (14)+	36 3.6 PS 7

170W	37					3.036	(13)-	37	2.0 PS	5
170W	38					3.095	(12-)	38		
170W	39		3.118	14+				39		
170W	40					3.344	(16)+	40	2.6 PS	3

170W	41					3.355	(14-)	41		
170W	42					3.538	(15-)	42		
170W	43					3.652	(14-)	43		
170W	44		3.816	16+				44		
170W	45					3.874	(18)+	45	1.29 PS	24
170W	46					3.887	(16-)	46		
170W	47					4.095	(17-)	47		
170W	48					4.231	(16-)	48		
S-p	=		4.289	(0.031)	-----					
170W	49					4.460	(18-)	49		
170W	50					4.490	(20)+	50	0.37 PS	5

170W	51					4.685	(19-)	51		
170W	52					5.057	(20-)	52		
170W	53					5.176	(22+)	53	0.17 PS	4
170W	54					5.276	(21-)	54		
170W	55					5.672	(22-)	55		
170W	56					5.895	(23-)	56		
170W	57					5.918	(24+)	57	0.26 PS	+6-4
170W	58					6.334	(24-)	58		
S-2p	=		6.508	(0.031)	-----					
170W	59					6.588	(25-)	59		
170W	60					6.714	(26+)	60		

170W	61					7.086	(26-)	61		
170W	62					7.359	(27-)	62		
170W	63					7.569	(28+)	63		
170W	64					8.202	(29-)	64		
170W	65					8.488	(30+)	65		
170W	66					9.431	(32+)	66		

S-p	=		4.289	(0.031)	-----					
S-n	=		10.444	(0.020)	-----					
S-2p	=		6.508	(0.031)	-----					
S-2n	=		18.541	(0.019)	-----					
S-alpha	=		-4.143	(0.031)	-----					

S+p	=		-1.248	(0.031)						
S+n	=		-7.866	(0.031)						
S+2p	=		-4.531	(0.018)						
S+2n	=		-17.949	(0.031)						
S+alpha	=		4.870	(0.017)						

gap p	=		3.041	(0.044)						

gap n = 2.578 (0.037)
gap 2p = 1.978 (0.036)
gap 2n = 0.592 (0.036)
gap alpha = 0.727 (0.035)