

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

Based on ensdf_240402 (Apr 2024), 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			
170W	67		10.390	(34+)					67			
S-n	=		10.444	(0.020)		-----						
170W	68		11.370	(36+)					68			

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)