^{172}W $Z = 74$ $N = 98$ link to full NNDC output

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 1379.470 (0.028) MeV
Qbeta+ = 2.233 (0.039) MeV

	Energy	T	J+	J-	J-other	T1/2
S-alpha= -3.839 (0.039)						
172W 1	0.000	0+			1	6.6 M 9
172W 2	0.123	2+			2	0.74 NS 6
172W 3	0.377	4+			3	33.7 PS 24
172W 4	0.728	6+			4	6.8 PS 7
172W 5	1.147	8+			5	2.61 PS 28
172W 6				1.434 (4-)	6	58 PS 20
172W 7	1.617	10+			7	1.54 PS 23
172W 8				1.713 (6-)	8	11 PS 1
172W 9				1.762 (7-)	9	
172W 10				2.074 (8-)	10	6.9 PS 11
172W 11				2.106 (9-)	11	2.2 PS 4
172W 12	2.130	12+			12	1.03 PS 16
172W 13				2.342 (9-)	13	1.4 PS 2
172W 14				2.476 (10-)	14	8.7 PS LT
172W 15				2.518 (10-)	15	
172W 16				2.519 (11-)	16	5.3 PS 7
172W 17				2.659 (11-)	17	7.7 PS 20
172W 18	2.680	14+			18	0.78 PS 21
172W 19				2.849 (12-)	19	
172W 20				2.992 (13-)	20	1.6 PS LT
172W 21				3.064 (13-)	21	5.4 PS 8
172W 22	3.256	16+			22	0.50 PS 13
172W 23				3.293 (14-)	23	
172W 24				3.511 (15-)	24	
172W 25				3.554 (15-)	25	1.8 PS LT
172W 26				3.804 (16-)	26	
172W 27	3.854	18+			27	0.40 PS 14
172W 28				4.067 (17-)	28	
172W 29				4.101 (17-)	29	
172W 30				4.360 (18-)	30	
172W 31	4.499	20+			31	0.31 PS 9
172W 32				4.652 (19-)	32	
S-p = 4.666 (0.039)						
172W 33				4.669 (19-)	33	
172W 34				4.947 (20-)	34	
172W 35				5.210 (22+)	35	0.27 PS 11

```
172W   36 |                |                |   5.237     (21-)           36
172W   37 |                |                |   5.279     (21-)           37
172W   38 |                |                |   5.574     (22-)           38
172W   39 |                |                |   5.863     (23-)           39
172W   40 |                |                |   5.938     (23-)           40
----------                                                               -----------------
172W   41 |                |                |   5.986     (24+)           41
172W   42 |                |                |   6.262     (24-)           42
172W   43 |                |                |   6.557     (25-)           43
172W   44 |                |                |   6.824     (26+)           44
172W   45 |                |                |   7.021     (26-)           45
172W   46 |                |                |   7.326     (27-)           46
S-2p   =   7.421 ( 0.039)-------------------------------------------------------------------------
172W   47 |                |                |   7.720     (28+)           47
172W   48 |                |                |   8.170     (29-)           48
172W   49 |                |                |   8.668     (30+)           49
172W   50 |                |                |   9.084     (31-)           50
----------                                                               -----------------


S-p    =   4.666 ( 0.039)-------------------------------------------------------------------------
S-n    =  10.082 ( 0.039)-------------------------------------------------------------------------
S-2p   =   7.421 ( 0.039)-------------------------------------------------------------------------
S-2n   =  17.949 ( 0.031)-------------------------------------------------------------------------
S-alpha=  -3.839 ( 0.039)-------------------------------------------------------------------------

S+p       =  -1.746 ( 0.040)
S+n       =  -7.702 ( 0.040)
S+2p      =  -5.476 ( 0.030)
S+2n      = -17.272 ( 0.040)
S+alpha   =   4.574 ( 0.039)

gap p     =   2.920 ( 0.056)
gap n     =   2.381 ( 0.056)
gap 2p    =   1.945 ( 0.049)
gap 2n    =   0.676 ( 0.050)
gap alpha =   0.736 ( 0.056)
```