

$^{175}\text{W}$        $Z = 74$        $N = 101$       adopted link      ENSDF link

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

BE = 1404.220 ( 0.028) MeV

Qbeta+ = 2.776 ( 0.040) MeV

|          | Energy T        | J+ | J- | J-other       | T1/2       |
|----------|-----------------|----|----|---------------|------------|
| -----    |                 |    |    |               |            |
| S-alpha= | -3.374 ( 0.040) |    |    |               |            |
| 175W     | 1               |    |    | 0.000 (1/2-)  | 1 35.2 M 6 |
| 175W     | 2               |    |    | 0.075 (3/2-)  | 2          |
| 175W     | 3               |    |    | 0.089 (5/2-)  | 3          |
| 175W     | 4               |    |    | 0.104 (5/2-)  | 4 45 NS 12 |
| 175W     | 5               |    |    | 0.196 (7/2-)  | 5          |
| 175W     | 6               |    |    | 0.235 (7/2+)  | 6 216 NS 6 |
| 175W     | 7               |    |    | 0.260 (7/2-)  | 7          |
| 175W     | 8               |    |    | 0.266 (9/2+)  | 8          |
| 175W     | 9               |    |    | 0.284 (9/2-)  | 9          |
| 175W     | 10              |    |    | 0.315 (9/2-)  | 10         |
| -----    |                 |    |    |               |            |
| 175W     | 11              |    |    | 0.331 (11/2+) | 11         |
| 175W     | 12              |    |    | 0.409 (13/2+) | 12         |
| 175W     | 13              |    |    | 0.457 (11/2-) | 13         |
| 175W     | 14              |    |    | 0.540 (11/2-) | 14         |
| 175W     | 15              |    |    | 0.551 (15/2+) | 15         |
| 175W     | 16              |    |    | 0.574 (13/2-) | 16         |
| 175W     | 17              |    |    | 0.624 (13/2-) | 17         |
| 175W     | 18              |    |    | 0.661 (17/2+) | 18         |
| 175W     | 19              |    |    | 0.812 (15/2-) | 19         |
| 175W     | 20              |    |    | 0.892 (19/2+) | 20         |
| -----    |                 |    |    |               |            |
| 175W     | 21              |    |    | 0.905 (15/2-) | 21         |
| 175W     | 22              |    |    | 0.944 (17/2-) | 22         |
| 175W     | 23              |    |    | 1.016 (21/2+) | 23         |
| 175W     | 24              |    |    | 1.020 (17/2-) | 24         |
| 175W     | 25              |    |    | 1.247 (19/2-) | 25         |
| 175W     | 26              |    |    | 1.339 (23/2+) | 26         |
| 175W     | 27              |    |    | 1.343 (19/2-) | 27         |
| 175W     | 28              |    |    | 1.384 (21/2-) | 28         |
| 175W     | 29              |    |    | 1.469 (25/2+) | 29         |
| 175W     | 30              |    |    | 1.488 (21/2-) | 30         |
| -----    |                 |    |    |               |            |
| 175W     | 31              |    |    | 1.747 (23/2-) | 31         |
| 175W     | 32              |    |    | 1.844 (23/2-) | 32         |
| 175W     | 33              |    |    | 1.877 (27/2+) | 33         |
| 175W     | 34              |    |    | 1.882 (25/2-) | 34         |
| 175W     | 35              |    |    | 2.007 (25/2-) | 35         |
| 175W     | 36              |    |    | 2.011 (29/2+) | 36         |

|       |    |  |  |  |       |         |    |
|-------|----|--|--|--|-------|---------|----|
| 175W  | 37 |  |  |  | 2.411 | (29/2-) | 37 |
| 175W  | 38 |  |  |  | 2.484 | (31/2+) | 38 |
| 175W  | 39 |  |  |  | 2.630 | (33/2+) | 39 |
| 175W  | 40 |  |  |  | 2.908 | (33/2-) | 40 |
| ----- |    |  |  |  |       |         |    |
| 175W  | 41 |  |  |  | 3.142 | (35/2+) | 41 |
| 175W  | 42 |  |  |  | 3.311 | (37/2+) | 42 |
| 175W  | 43 |  |  |  | 3.447 | (37/2-) | 43 |
| 175W  | 44 |  |  |  | 4.039 | (41/2+) | 44 |

S-p = 5.181 ( 0.040)-----  
 S-n = 7.477 ( 0.040)-----  
 S-2p = 8.799 ( 0.040)-----  
 S-2n = 17.048 ( 0.040)-----  
 S-alpha= -3.374 ( 0.040)-----

S+p = -2.719 ( 0.040)  
 S+n = -9.080 ( 0.040)  
 S+2p = -6.902 ( 0.032)  
 S+2n = -16.212 ( 0.040)  
 S+alpha = 4.188 ( 0.032)

gap p = 2.462 ( 0.056)  
 gap n = -1.603 ( 0.056)  
 gap 2p = 1.897 ( 0.051)  
 gap 2n = 0.836 ( 0.056)  
 gap alpha = 0.814 ( 0.051)