

^{161}Re $Z = 75$ $N = 86$ adopted link ENSDF link

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

BE = 1261.649 (0.150) MeV

Qbeta+ = 9.630 (0.220) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|----------|----------|----------|-------|---------------|-------------|
| ----- | | | | | |
| S-alpha= | -6.328 | (0.212) | ----- | | |
| S-p | = -1.197 | (0.212) | ----- | | |
| 161RE 1 | 0.000 | 1/2+ | | | 1 0.44 MS 1 |
| 161RE 2 | | | 0.124 | 11/2- | 2 14.7 MS 3 |
| 161RE 3 | | | | 0.682 (5/2+) | 3 |
| 161RE 4 | | | 0.761 | 15/2- | 4 |
| ----- | | | | | |
| S-2p | = 0.982 | (0.151) | ----- | | |
| 161RE 5 | | | | 1.364 (9/2+) | 5 |
| 161RE 6 | | | 1.447 | 19/2- | 6 |
| 161RE 7 | | | | 1.478 | 7 |
| 161RE 8 | | | | 1.866 | 8 |
| 161RE 9 | | | | 1.976 (13/2+) | 9 |
| 161RE 10 | | | 2.022 | 23/2- | 10 |
| ----- | | | | | |
| 161RE 11 | | | 2.177 | 27/2- | 11 |
| 161RE 12 | | | | 2.453 (17/2+) | 12 |
| 161RE 13 | | | | 2.590 | 13 |
| 161RE 14 | | | | 2.647 (31/2-) | 14 |
| 161RE 15 | | | | 2.903 | 15 |
| 161RE 16 | | | | 2.943 (31/2-) | 16 |
| 161RE 17 | | | | 3.118 | 17 |
| 161RE 18 | | | | 3.309 (33/2-) | 18 |
| 161RE 19 | | | | 3.331 | 19 |
| 161RE 20 | | | | 3.630 (35/2-) | 20 |
| ----- | | | | | |
| 161RE 21 | | | | 3.669 | 21 |
| 161RE 22 | | | | 3.798 (37/2-) | 22 |
| 161RE 23 | | | | 3.929 | 23 |
| 161RE 24 | | | | 4.076 | 24 |
| 161RE 25 | | | | 4.184 | 25 |
| 161RE 26 | | | | 4.401 | 26 |

S-p = -1.197 (0.212)-----

S-n = 12.049 (0.353)-----

S-2p = 0.982 (0.151)-----

S-2n = 22.244 (0.352)-----

S-alpha= -6.328 (0.212)-----

S+p = -0.979 (0.357)

S+n = -9.727 (0.221)
S+2p = 1.007 (0.359)
S+2n = -21.302 (0.151)
S+alpha = 6.905 (0.223)

gap p = -2.176 (0.415)
gap n = 2.322 (0.417)
gap 2p = 1.989 (0.389)
gap 2n = 0.942 (0.383)
gap alpha = 0.576 (0.308)