

^{215}Rn $Z = 86$ $N = 129$ adopted link ENSDF link

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

BE = 1669.220 (0.006) MeV

Qbeta+ = 0.088 (0.009) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|----------|----------|----------|-------|-----------------------|--------------|
| ----- | | | | | |
| S-alpha= | -8.839 | (0.006) | ----- | | |
| 215RN 1 | 0.000 | 9/2+ | | | 1 2.30 US 10 |
| 215RN 2 | | | | 0.214 (7/2,9/2)+ | 2 |
| 215RN 3 | | | | 0.291 (7/2,9/2,11/2)- | 3 |
| 215RN 4 | | | | 0.316 (11/2)+ | 4 |
| 215RN 5 | | | | 0.570 (13/2+) | 5 |
| 215RN 6 | | | | 0.806 (7/2)+ | 6 |
| 215RN 7 | | | | 0.946 (15/2+) | 7 |
| 215RN 8 | | | | 1.016 (17/2+) | 8 |
| 215RN 9 | | | | 1.334 (19/2+) | 9 |
| 215RN 10 | | | | 1.404 (21/2+) | 10 |
| ----- | | | | | |
| 215RN 11 | | | | 1.608 (23/2+) | 11 |
| 215RN 12 | | | | 1.731 (25/2+) | 12 |
| 215RN 13 | | | | 1.805 (27/2+) | 13 |

S-p = 5.079 (0.007)-----
S-n = 4.920 (0.011)-----
S-2p = 9.093 (0.007)-----
S-2n = 11.616 (0.007)-----
S-alpha= -8.839 (0.006)-----

S+p = -3.149 (0.007)
S+n = -6.649 (0.008)
S+2p = -7.519 (0.009)
S+2n = -11.315 (0.007)
S+alpha = 8.138 (0.009)

gap p = 1.930 (0.010)
gap n = -1.729 (0.014)
gap 2p = 1.574 (0.012)
gap 2n = 0.300 (0.010)
gap alpha = -0.701 (0.011)