

^{212}Ra $Z = 88$ $N = 124$ adopted link ENSDF link

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

BE = 1642.472 (0.010) MeV

Qbeta+ = 3.317 (0.014) MeV

| | Energy T | J+ | | J- | | J-other | | T1/2 |
|----------|----------|----------|-------|-------|-----|---------|-------------|---------------|
| ----- | | | | | | | | |
| S-alpha= | -7.032 | (0.014) | ----- | | | | | |
| 212RA 1 | 0.000 | 0+ | | | | | | 1 13.0 S 2 |
| 212RA 2 | 0.629 | 2+ | | | | | | 2 |
| 212RA 3 | 1.454 | 4+ | | | | | | 3 |
| 212RA 4 | 1.895 | 6+ | | | | | | 4 |
| 212RA 5 | 1.958 | 8+ | | | | | | 5 9.3 US 9 |
| 212RA 6 | 2.108 | 8+ | | | | | | 6 |
| 212RA 7 | 2.577 | 10+ | | | | | | 7 |
| 212RA 8 | | | | 2.613 | 11- | | | 8 0.85 US 13 |
| 212RA 9 | 2.700 | 12+ | | | | | | 9 |
| 212RA 10 | | | | 3.122 | 12- | | | 10 |
| ----- | | | | | | | | |
| S-p = | 3.347 | (0.016) | ----- | | | | | |
| 212RA 11 | | | | 3.404 | 13- | | | 11 |
| 212RA 12 | | | | | | | 3.602 | 12 |
| 212RA 13 | | | | | | | 3.632 (13-) | 13 |
| 212RA 14 | | | | | | | 3.949 (14-) | 14 |
| 212RA 15 | | | | 4.107 | 15- | | | 15 |
| 212RA 16 | | | | | | | 4.198 (16-) | 16 |
| 212RA 17 | | | | | | | 4.351 (17-) | 17 |
| 212RA 18 | | | | | | | 4.553 (18-) | 18 |
| 212RA 19 | | | | | | | 5.043 (19+) | 19 21.5 NS 21 |
| 212RA 20 | | | | | | | 5.125 | 20 |
| ----- | | | | | | | | |
| S-2p = | 5.172 | (0.011) | ----- | | | | | |
| 212RA 21 | | | | | | | 5.415 | 21 |
| 212RA 22 | | | | | | | 5.877 | 22 |
| 212RA 23 | | | | | | | 6.138 | 23 |
| 212RA 24 | | | | | | | 6.370 | 24 |
| ----- | | | | | | | | |
| S-p = | 3.347 | (0.016) | ----- | | | | | |
| S-n = | 9.102 | (0.011) | ----- | | | | | |
| S-2p = | 5.172 | (0.011) | ----- | | | | | |
| S-2n = | 16.784 | (0.014) | ----- | | | | | |
| S-alpha= | -7.032 | (0.014) | ----- | | | | | |
| S+p = | -0.949 | (0.016) | | | | | | |
| S+n = | -7.527 | (0.014) | | | | | | |
| S+2p = | -3.684 | (0.015) | | | | | | |

S+2n = -15.851 (0.012)
S+alpha = 8.073 (0.015)

gap p = 2.398 (0.022)
gap n = 1.575 (0.018)
gap 2p = 1.488 (0.019)
gap 2n = 0.933 (0.018)
gap alpha = 1.041 (0.021)