

^{204}Ra $Z = 88$ $N = 116$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 1571.641 (0.009) MeV

Qbeta+ = 5.454 (0.026) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|----------|-----------------|----|----|---------|------------------|
| S-alpha= | -7.637 (0.011) | | | | |
| 204RA | 1 0.000 | 0+ | | | 1 57 MS +11-5 |

S-p = 2.104 (0.011) -----
 S-n = 10.612 (0.013) -----
 S-2p = 2.242 (0.020) -----
 S-2n = 19.156 (0.017) -----
 S-alpha= -7.637 (0.011) -----

S+p = 0.757 (0.060)
 S+n = -8.329 (0.024)
 S+2p = 0.000 (0.000)
 S+2n = -18.638 (0.020)
 S+alpha = 8.202 (0.033)

gap p = 2.861 (0.061)
 gap n = 2.283 (0.028)
 gap 2p = 0.000 (0.000)
 gap 2n = 0.518 (0.027)
 gap alpha = 0.565 (0.035)