

^{227}Rn $Z = 86$ $N = 141$ adopted link ENSDF link

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

BE = 1732.021 (0.014) MeV

Qbeta- = 3.203 (0.015) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|-----------|--------------------|----|----|-------------|------------|
| ----- | | | | | |
| S-alpha= | -3.339 (0.223) | | | | |
| 227RN | 1 | | | 0.000 (5/2) | 1 20.2 S 4 |
| ----- | | | | | |
| S-p | = 8.997 (0.226) | | | | |
| S-n | = 3.933 (0.018) | | | | |
| S-2p | = 16.172 (0.225) | | | | |
| S-2n | = 9.791 (0.018) | | | | |
| S-alpha= | -3.339 (0.223) | | | | |
| ----- | | | | | |
| S+p | = -6.791 (0.016) | | | | |
| S+n | = -5.714 (0.023) | | | | |
| S+2p | = -14.902 (0.021) | | | | |
| S+2n | = -9.666 (0.019) | | | | |
| S+alpha | = 2.906 (0.018) | | | | |
| ----- | | | | | |
| gap p | = 2.207 (0.227) | | | | |
| gap n | = -1.781 (0.029) | | | | |
| gap 2p | = 1.270 (0.226) | | | | |
| gap 2n | = 0.125 (0.026) | | | | |
| gap alpha | = -0.433 (0.224) | | | | |