

^{236}Th $Z = 90$ $N = 146$ adopted link ENSDF link

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

BE = 1788.165 (0.014) MeV

Qbeta- = 0.921 (0.020) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|----------|-----------|----------|-------|-------------|------------|
| ----- | | | | | |
| S-alpha= | -3.333 | (0.017) | ----- | | |
| 236TH | 1 0.000 | 0+ | | | 1 37.5 M 2 |
| 236TH | 2 | | | 0.048 (2+) | 2 |
| 236TH | 3 | | | 0.160 (4+) | 3 |
| 236TH | 4 | | | 0.329 (6+) | 4 |
| 236TH | 5 | | | 0.553 (8+) | 5 |
| 236TH | 6 | | | 0.826 (10+) | 6 |

S-p = 8.391 (0.020)-----

S-n = 5.834 (0.019)-----

S-2p = 15.253 (0.016)-----

S-2n = 10.500 (0.014)-----

S-alpha= -3.333 (0.017)-----

S+p = -6.017 (0.019)

S+n = -4.371 (0.021)

S+2p = -13.525 (0.014)

S+2n = -9.925 (0.238)

S+alpha = 4.035 (0.014)

gap p = 2.374 (0.027)

gap n = 1.462 (0.028)

gap 2p = 1.728 (0.022)

gap 2n = 0.575 (0.239)

gap alpha = 0.702 (0.022)