

^{218}Th $Z = 90$ $N = 128$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 1676.769 (0.010) MeV

Qbeta+ = 1.523 (0.052) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|----------|-----------------|-------|----|---------|--------------|
| ----- | | | | | |
| S-alpha= | -9.849 (0.012) | ----- | | | |
| 218TH | 1 0.000 | 0+ | | | 1 117 NS 9 |
| 218TH | 2 0.690 | 2+ | | | 2 |
| 218TH | 3 1.194 | 4+ | | | 3 |
| 218TH | 4 1.564 | 6+ | | | 4 |
| 218TH | 5 1.766 | 8+ | | | 5 1.2 NS 2 |
| 218TH | 6 2.104 | 10+ | | | 6 0.25 NS 15 |

S-p = 3.626 (0.015)-----

S-n = 7.910 (0.015)-----

S-2p = 5.502 (0.014)-----

S-2n = 14.074 (0.016)-----

S-alpha= -9.849 (0.012)-----

S+p = -1.115 (0.053)

S+n = -5.966 (0.052)

S+2p = 0.000 (0.000)

S+2n = -13.840 (0.025)

S+alpha = 9.481 (0.053)

gap p = 2.510 (0.055)

gap n = 1.944 (0.054)

gap 2p = 0.000 (0.000)

gap 2n = 0.234 (0.029)

gap alpha = -0.368 (0.054)