

$^{214}\text{Th}$        $Z = 90$        $N = 124$       adopted link      ENSDF link

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

BE = 1646.156 ( 0.011) MeV

Qbeta+ = 4.262 ( 0.017) MeV

|          | Energy T        | J+    | J- | J-other    | T1/2         |
|----------|-----------------|-------|----|------------|--------------|
| -----    |                 |       |    |            |              |
| S-alpha= | -7.827 ( 0.014) | ----- |    |            |              |
| 214TH 1  | 0.000           | 0+    |    |            | 1 87 MS 10   |
| 214TH 2  |                 |       |    | 0.623 (2+) | 2            |
| 214TH 3  |                 |       |    | 1.453 (4+) | 3            |
| 214TH 4  |                 |       |    | 2.092 (6+) | 4            |
| 214TH 5  |                 |       |    | 2.181 (8+) | 5 1.21 US 12 |

S-p = 2.735 ( 0.016)-----

S-n = 9.496 ( 0.014)-----

S-2p = 3.684 ( 0.015)-----

S-2n = 17.558 ( 0.015)-----

S-alpha= -7.827 ( 0.014)-----

S+p = -0.179 ( 0.083)

S+n = -7.845 ( 0.012)

S+2p = -2.207 ( 0.030)

S+2n = -16.539 ( 0.015)

S+alpha = 8.775 ( 0.017)

gap p = 2.556 ( 0.085)

gap n = 1.652 ( 0.019)

gap 2p = 1.478 ( 0.033)

gap 2n = 1.020 ( 0.021)

gap alpha = 0.948 ( 0.022)