

^{187}Bi $Z = 83$ $N = 104$ adopted link ENSDF link

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

BE = 1450.785 (0.010) MeV

Qbeta+ = 8.604 (0.011) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|----------|----------|----------|-------|---------------|-----------------|
| ----- | | | | | |
| S-alpha= | -7.779 | (0.014) | ----- | | |
| S-p | -1.009 | (0.015) | ----- | | |
| 187BI | 1 | | | 0.000 (9/2-) | 1 37 MS 2 |
| 187BI | 2 | | | 0.063 (7/2-) | 2 |
| 187BI | 3 | | | 0.112 (1/2+) | 3 0.370 MS 20 |
| 187BI | 4 | | | 0.252 (13/2+) | 4 3.2 US +76-20 |
| 187BI | 5 | | | 0.450 (17/2+) | 5 |
| 187BI | 6 | | | 0.720 (21/2+) | 6 |
| 187BI | 7 | | | 1.063 (25/2+) | 7 |

S-p = -1.009 (0.015)-----

S-n = 11.309 (0.020)-----

S-2p = 1.203 (0.023)-----

S-2n = 20.365 (0.010)-----

S-alpha= -7.779 (0.014)-----

S+p = -1.450 (0.022)

S+n = -8.883 (0.015)

S+2p = 0.000 (0.000)

S+2n = -19.824 (0.023)

S+alpha = 7.822 (0.019)

gap p = -2.458 (0.027)

gap n = 2.427 (0.025)

gap 2p = 0.000 (0.000)

gap 2n = 0.541 (0.025)

gap alpha = 0.043 (0.023)