

^{125}Ba $Z = 56$ $N = 69$ adopted link ENSDF link

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

BE = 1044.772 (0.011) MeV

Qbeta+ = 4.421 (0.013) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|----------|-----------------|----|----|--------------|-----------|
| S-alpha= | -0.387 (0.015) | | | | |
| 125BA 1 | | | | 0.000 1/2(+) | 1 3.3 M 3 |

| | |
|----------|-------------------|
| S-p | = 5.217 (0.014) |
| S-n | = 8.651 (0.017) |
| S-2p | = 8.999 (0.015) |
| S-2n | = 20.157 (0.016) |
| S-alpha= | -0.387 (0.015) |

| | |
|---------|--------------------|
| S+p | = -2.593 (0.091) |
| S+n | = -11.072 (0.017) |
| S+2p | = -6.888 (0.031) |
| S+2n | = -19.292 (0.016) |
| S+alpha | = 0.957 (0.030) |

| | |
|-----------|-------------------|
| gap p | = 2.624 (0.092) |
| gap n | = -2.422 (0.024) |
| gap 2p | = 2.110 (0.034) |
| gap 2n | = 0.865 (0.023) |
| gap alpha | = 0.569 (0.034) |