

^{130}Sm $Z = 62$ $N = 68$ adopted link ENSDF link

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

BE = 1048.450 (-0.390) MeV

Qbeta+ = 7.798 (0.469) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|----------|----------|----------|-------|---------|------|
| ----- | | | | | |
| S-alpha= | -3.218 | (-0.464) | ----- | | |
| 130SM 1 | 0.000 | 0+ | | | 1 |
| 130SM 2 | | | 0.122 | (2+) | 2 |

S-p = 1.744 (-0.468)-----
 S-n = 13.483 (-0.647)-----
 S-2p = 1.794 (-0.467)-----
 S-2n = 24.706 (-0.644)-----
 S-alpha= -3.218 (-0.464)-----

S+p = 0.974 (-0.554)
 S+n = -10.685 (-0.554)
 S+2p = 0.000 (-0.000)
 S+2n = -23.654 (-0.471)
 S+alpha = 3.674 (-0.560)

gap p = 2.718 (0.725)
 gap n = 2.798 (0.851)
 gap 2p = 0.000 (0.000)
 gap 2n = 1.052 (0.798)
 gap alpha = 0.456 (0.728)