

^{82}Nb $Z = 41$ $N = 41$ adopted link ENSDF link

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

BE = 681.584 (-0.328) MeV

Qbeta+ = 11.802 (0.328) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|--------|----------|----|----|--------------|------------|
| 82NB 1 | | | | 0.000 1 (0+) | 1 50 MS 6 |
| 82NB 2 | | | | 0.418 1 (2+) | 2 |
| 82NB 3 | | | | 1.056 1 (4+) | 3 |
| 82NB 4 | | | | 1.180 0 (5+) | 4 92 NS 17 |

S-p = 1.577 (-0.341)-----
 S-n = 13.496 (-0.521)-----
 S-2p = 5.242 (-0.328)-----
 S-2n = 29.504 (-0.517)-----
 S-alpha= 2.066 (-0.453)-----

S+p = -1.838 (-0.529)
 S+n = -13.872 (-0.366)
 S+2p = -0.496 (-0.533)
 S+2n = -25.524 (-0.328)
 S+alpha = -2.200 (-0.417)

gap p = -0.261 (0.629)
 gap n = -0.376 (0.637)
 gap 2p = 4.746 (0.626)
 gap 2n = 3.980 (0.613)
 gap alpha = -0.134 (0.616)