

$^{104}\text{Nb}$        $Z = 41$        $N = 63$       adopted link      ENSDF link

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

BE = 879.152 ( 0.002) MeV

Qbeta- = 8.533 ( 0.009) MeV

|          | Energy T | J+ | J- | J-other    | T1/2       |
|----------|----------|----|----|------------|------------|
| 104NB 1  |          |    |    | 0.000 (1+) | 1 4.9 S 3  |
| 104NB 2  |          |    |    | 0.009      | 2          |
| 104NB 3  |          |    |    | 0.038      | 3          |
| 104NB 4  |          |    |    | 0.110      | 4          |
| 104NB 5  |          |    |    | 0.220      | 5 0.94 S 4 |
| 104NB 6  |          |    |    | 0.251 (1+) | 6          |
| 104NB 7  |          |    |    | 0.312 (1+) | 7          |
| 104NB 8  |          |    |    | 0.320      | 8          |
| 104NB 9  |          |    |    | 0.370      | 9          |
| 104NB 10 |          |    |    | 0.514 (1+) | 10         |

S-p = 11.291 ( 0.009)-----  
 S-n = 4.854 ( 0.004)-----  
 S-2p = 25.216 ( 0.004)-----  
 S-2n = 11.655 ( 0.003)-----  
 S-alpha= 6.915 ( 0.011)-----

S+p = -12.809 ( 0.009)  
 S+n = -6.176 ( 0.004)  
 S+2p = -22.543 ( 0.012)  
 S+2n = -10.534 ( 0.002)  
 S+alpha = -6.537 ( 0.009)

gap p = -1.518 ( 0.013)  
 gap n = -1.322 ( 0.006)  
 gap 2p = 2.673 ( 0.013)  
 gap 2n = 1.121 ( 0.004)  
 gap alpha = 0.378 ( 0.014)