

^{68}Ni $Z = 28$ $N = 40$ adopted link ENSDF link

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

BE = 590.408 (0.003) MeV

Qbeta- = 2.103 (0.003) MeV

| | Energy T | J+ | J- | J-other | T1/2 |
|---------|----------|----|----------|------------------|-------------|
| 68NI 1 | 0.000 | 0+ | | | 1 29 S 2 |
| 68NI 2 | 1.770 | 0+ | | | 2 270 NS 5 |
| 68NI 3 | 2.034 | 2+ | | | 3 0.31 PS 5 |
| 68NI 4 | | | | 2.512 (0+) | 4 15 NS LT |
| 68NI 5 | | | | 2.744 (2)+ | 5 |
| 68NI 6 | | | 2.849 5- | | 6 0.86 MS 5 |
| 68NI 7 | | | | 3.121 | 7 |
| 68NI 8 | | | | 3.149 (4+) | 8 |
| 68NI 9 | | | | 3.444 (6-,7-) | 9 |
| 68NI 10 | | | | 3.543 | 10 |
| 68NI 11 | | | | 3.558 (6-) | 11 |
| 68NI 12 | | | | 3.935 (7) | 12 |
| 68NI 13 | | | | 3.989 | 13 |
| 68NI 14 | | | | 4.001 (6+) | 14 |
| 68NI 15 | | | | 4.027 (1,2) | 15 |
| 68NI 16 | | | | 4.166 (0,1,2) | 16 |
| 68NI 17 | | | | 4.210 (8+) | 17 23 NS 1 |
| 68NI 18 | | | | 5.513 (0+,1+,2+) | 18 |
| 68NI 19 | | | | 5.550 (0+,1+,2+) | 19 |
| 68NI 20 | | | | 5.775 (0+,1+,2+) | 20 |

S-p = 15.431 (0.007)-----
 S-n = 7.792 (0.004)-----
 S-2p = 27.974 (0.005)-----
 S-2n = 13.600 (0.003)-----
 S-alpha= 10.919 (0.006)-----

S+p = -9.561 (0.003)
 S+n = -4.586 (0.005)
 S+2p = -20.679 (0.004)
 S+2n = -11.893 (0.004)
 S+alpha = -7.107 (0.004)

gap p = 5.870 (0.008)
 gap n = 3.206 (0.006)
 gap 2p = 7.295 (0.006)
 gap 2n = 1.708 (0.005)

gap alpha = 3.813 (0.007)