

^{167}Gd $Z = 64$ $N = 103$ adopted link ENSDF link

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

BE = 1348.616 (0.005) MeV

Qbeta- = 5.107 (0.006) MeV

| | Energy T | J+ | J- | J-other | T1/2 | |
|-------|----------|----|----|---------|--------|-----------------|
| 167GD | 1 | | | 0.000 | (5/2-) | 1 4.26 S +18-32 |

S-p = 11.320 (0.166)-----

S-n = 4.476 (0.005)-----

S-2p = 21.851 (0.330)-----

S-2n = 10.392 (0.005)-----

S-alpha= 2.601 (0.009)-----

S+p = -9.294 (0.007)

S+n = -5.464 (0.336)

S+2p = -19.398 (0.301)

S+2n = -9.299 (0.338)

S+alpha = -1.691 (0.171)

gap p = 2.025 (0.166)

gap n = -0.988 (0.336)

gap 2p = 2.452 (0.446)

gap 2n = 1.093 (0.338)

gap alpha = 0.910 (0.171)