

^{163}Gd $Z = 64$ $N = 99$ adopted link ENSDF link

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

BE = 1326.943 (0.001) MeV

Qbeta- = 3.207 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2
163GD	1			0.000 (5/2-,7/2+)	1 68 S 3

S-p = 9.955 (0.002)-----

S-n = 5.179 (0.004)-----

S-2p = 19.294 (0.007)-----

S-2n = 12.025 (0.002)-----

S-alpha= 1.606 (0.006)-----

S+p = -8.005 (0.002)

S+n = -6.376 (0.001)

S+2p = -16.802 (0.001)

S+2n = -11.280 (0.002)

S+alpha = -0.948 (0.004)

gap p = 1.949 (0.003)

gap n = -1.197 (0.004)

gap 2p = 2.493 (0.007)

gap 2n = 0.745 (0.002)

gap alpha = 0.658 (0.007)