

^{163}Sm $Z = 62$ $N = 101$ adopted link ENSDF link

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

BE = 1317.719 (0.007) MeV

Qbeta- = 5.974 (0.007) MeV

	Energy T	J+	J-	J-other	T1/2
163SM	1			0.000 (1/2-)	1 1.23 S +51-47

S-p = 11.837 (0.324)-----

S-n = 4.292 (0.008)-----

S-2p = 22.957 (0.322)-----

S-2n = 10.070 (0.010)-----

S-alpha= 3.301 (0.031)-----

S+p = -9.922 (0.008)

S+n = -5.397 (0.008)

S+2p = -20.504 (0.007)

S+2n = -9.046 (0.330)

S+alpha = -2.601 (0.009)

gap p = 1.916 (0.324)

gap n = -1.105 (0.012)

gap 2p = 2.453 (0.322)

gap 2n = 1.024 (0.330)

gap alpha = 0.700 (0.032)