

^{228}Np $Z = 93$ $N = 135$ adopted link ENSDF link

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

BE = 1733.712 (0.000) MeV

Qbeta+ = 4.570 (0.013) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-7.503 (0.008)				
228NP	1			0.000	1 61.4 S 14

S-p = 2.544 (0.009)-----

S-n = 6.860 (0.077)-----

S-2p = 6.821 (0.011)-----

S-2n = 15.169 (0.102)-----

S-alpha= -7.503 (0.008)-----

S+p = -3.684 (0.061)

S+n = -8.060 (0.101)

S+2p = -5.548 (0.230)

S+2n = -14.696 (0.055)

S+alpha = 7.160 (0.232)

gap p = -1.140 (0.061)

gap n = -1.200 (0.127)

gap 2p = 1.273 (0.230)

gap 2n = 0.473 (0.116)

gap alpha = -0.343 (0.232)