

^{137}Gd $Z = 64$ $N = 73$ adopted link ENSDF link

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

BE = 1106.960 (-0.274) MeV

Qbeta+ = 8.886 (0.274) MeV

	Energy T	J+	J-	J-other	T1/2
S-alpha=	-3.557 (-0.382)				
137GD 1				0.000 (7/2)	1 2.2 S 2

S-p	= 2.368 (-0.306)
S-n	= 10.256 (-0.386)
S-2p	= 2.980 (-0.315)
S-2n	= 23.180 (-0.489)
S-alpha=	-3.557 (-0.382)

S+p	= 0.338 (-0.389)
S+n	= -12.496 (-0.307)
S+2p	= -1.009 (-0.620)
S+2n	= -22.554 (-0.307)
S+alpha	= 3.449 (-0.393)

gap p	= 2.706 (0.495)
gap n	= -2.240 (0.493)
gap 2p	= 1.971 (0.695)
gap 2n	= 0.626 (0.577)
gap alpha	= -0.108 (0.548)