

^{136}Gd $Z = 64$ $N = 72$ adopted link ENSDF link

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

BE = 1096.704 (-0.272) MeV

Qbeta+ = 7.106 (0.304) MeV

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

S-alpha=	-3.696 (-0.379)				
136GD	1 0.000	0+			1 200 NS GE

S-p	= 2.259 (-0.304)				
S-n	= 12.924 (-0.488)				
S-2p	= 2.326 (-0.303)				
S-2n	= 23.632 (-0.485)				
S-alpha=	-3.696 (-0.379)				

S+p	= 0.841 (-0.493)				
S+n	= -10.256 (-0.386)				
S+2p	= -0.396 (-0.615)				
S+2n	= -22.752 (-0.305)				
S+alpha	= 3.880 (-0.500)				

gap p	= 3.100 (0.579)				
gap n	= 2.668 (0.622)				
gap 2p	= 1.930 (0.686)				
gap 2n	= 0.880 (0.573)				
gap alpha	= 0.184 (0.628)				