

$^{169}\text{Gd}$        $Z = 64$        $N = 105$       adopted link      ENSDF link

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

BE = 1357.915 (-0.338) MeV

Qbeta- = 6.528 ( 0.478) MeV

	Energy T	J+	J-	J-other	T1/2
169GD	1			0.000 (7/2-)	1 0.75 S 21

S-p = 11.899 (-0.477)-----

S-n = 3.835 (-0.477)-----

S-2p = 23.251 (-0.604)-----

S-2n = 9.299 (-0.338)-----

S-alpha= 2.854 (-0.472)-----

S+p = -10.075 (-0.479)

S+n = -4.975 (-0.612)

S+2p = -20.687 (-0.379)

S+2n = -8.375 (-0.614)

S+alpha = -2.287 (-0.484)

gap p = 1.824 ( 0.676)

gap n = -1.140 ( 0.776)

gap 2p = 2.564 ( 0.713)

gap 2n = 0.924 ( 0.701)

gap alpha = 0.567 ( 0.676)