

$^{170}\text{Gd}$        $Z = 64$        $N = 106$       adopted link      ENSDF link

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

BE = 1362.890 (-0.510) MeV

Qbeta- = 5.882 ( 0.613) MeV

	Energy T	J+	J-	J-other	T1/2
170GD	1   0.000	0+			1 0.41 S +14-12

S-p = 12.411 (-0.719)-----

S-n = 4.975 (-0.612)-----

S-2p = 23.762 (-0.611)-----

S-2n = 8.810 (-0.611)-----

S-alpha= 2.776 (-0.609)-----

S+p = -10.240 (-0.614)

S+n = -3.400 (-0.723)

S+2p = -21.538 (-0.615)

S+2n = -8.294 (-0.615)

S+alpha = -2.728 (-0.730)

gap p = 2.171 ( 0.946)

gap n = 1.575 ( 0.947)

gap 2p = 2.224 ( 0.867)

gap 2n = 0.516 ( 0.867)

gap alpha = 0.048 ( 0.950)