

¹⁷⁰Gd Z = 64 N = 106 adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), 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
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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)