

^{66}Ge $Z = 32$ $N = 34$ adopted link ENSDF link

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

BE = 569.279 (0.002) MeV

Qbeta+ = 2.117 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
66GE 1	0.000	0+			1 2.26 H 5
66GE 2	0.957	2+			2 3.7 PS 7
66GE 3	1.693	2+			3 4.5 PS 17
66GE 4	2.173	4+			4 1.4 PS LT
66GE 5	2.495	3+			5
66GE 6	2.726	4+			6
66GE 7			2.797 3-		7
S-alpha= 2.864 (0.002)					
66GE 8				3.022 4(+)	8
66GE 9				3.242	9
66GE 10				3.639	10
66GE 11	3.654	6+			11 4.2 PS LT
66GE 12			3.683 5-		12 22 PS 2
66GE 13	3.737	5+			13 2 PS GT
66GE 14			3.828 5-		14 0.76 PS +35-21
66GE 15				3.980	15
66GE 16	4.081	6+			16
66GE 17			4.205 7-		17 191 PS 9
66GE 18				4.320 6(-)	18
66GE 19				4.425 6(+)	19
66GE 20			4.543 7-		20 60 PS 4
66GE 21				4.680	21
66GE 22			4.846 7-		22
66GE 23				4.920	23
66GE 24				5.172	24
66GE 25				5.184	25 0.6 PS +5-3
66GE 26				5.307 (8-)	26
66GE 27	5.358	8+			27
66GE 28			5.492 9-		28 1.94 PS 21
66GE 29	5.532	8+			29
66GE 30				5.558	30
66GE 31			5.947 9-		31
66GE 32			6.033 9-		32
66GE 33				6.163	33
S-p = 6.238 (0.003)					
66GE 34			6.418 9-		34
66GE 35	6.502	10+			35 1.4 PS GT

66GE 36						6.581	10(+)	36
66GE 37						6.636	(10-)	37
66GE 38						6.948		38
66GE 39				7.130	11-			39
66GE 40						7.270		40

66GE 41						7.281		41
66GE 42						7.575	(11+)	42
66GE 43						7.601	11,12	43
66GE 44				7.637	11-			44
66GE 45		7.727	12+					45
66GE 46				7.737	11-			46
66GE 47				7.848	11-			47
66GE 48						7.995	12(+)	48
66GE 49						8.427	13(+)	49
66GE 50				8.543	13-			50

66GE 51		8.801	14+					51
66GE 52				9.405	15-			52
66GE 53						9.653		53
66GE 54						9.686	15(+)	54

S-p = 6.238 (0.003)-----
S-n = 13.200 (0.003)-----
S-2p = 10.181 (0.002)-----
S-2n = 23.434 (0.004)-----
S-alpha= 2.864 (0.002)-----

S+p = -2.269 (0.002)
S+n = -9.138 (0.005)
S+2p = -7.160 (0.002)
S+2n = -21.514 (0.003)
S+alpha = -2.748 (0.003)

gap p = 3.969 (0.004)
gap n = 4.062 (0.006)
gap 2p = 3.021 (0.003)
gap 2n = 1.920 (0.005)
gap alpha = 0.116 (0.004)