

^{66}Ge $Z = 32$ $N = 34$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

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-2p	=	10.181	(0.002)	-----				
66GE 55						10.474	(16+)	55
66GE 56				10.691	17-			56
66GE 57						11.549		57
66GE 58				12.661	19-			58

S-n	=	13.200	(0.003)	-----				
66GE 59						13.439		59
66GE 60				15.328	21-			60

66GE 61						18.080	(23-)	61

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	=	-9.123	(0.005)					
S+2p	=	-7.160	(0.002)					
S+2n	=	-21.514	(0.003)					
S+alpha	=	-2.748	(0.003)					
gap p	=	3.969	(0.003)					
gap n	=	4.077	(0.006)					
gap 2p	=	3.020	(0.003)					
gap 2n	=	1.920	(0.005)					
gap alpha	=	0.116	(0.004)					