

$^{66}\text{Ga}$        $Z = 31$        $N = 35$       [link to full NNDC output](#)

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

BE = 572.178 ( 0.001) MeV

Qbeta+ = 5.175 ( 0.001) MeV

	Energy T	J+	J-	J-other	T1/2
66GA 1	0.000	0+			1 9.49 H 3
66GA 2	0.044	1+			2 18.0 NS 9
66GA 3				0.066 (2)+	3 23.0 NS 14
66GA 4	0.109	1+			4 1.2 NS 2
66GA 5				0.162 (3)+	5 13 NS 5
66GA 6	0.234	2+			6
66GA 7				0.291 (0,1)+	7
66GA 8				0.335 (2)+	8
66GA 9	0.382	1+			9
66GA 10				0.415 (4)+	10 2 NS LT
66GA 11				0.424 (3)+	11
66GA 12	0.460	2+			12
66GA 13				0.516 (4)+	13 2 NS LT
66GA 14	0.537	1+			14
66GA 15				0.553 (3)+	15
66GA 16				0.621 (2)+	16
66GA 17				0.640 (3)+	17
66GA 18				0.664 (1,2)+	18
66GA 19	0.706	1+			19
66GA 20				0.722 (3)+	20
66GA 21				0.784 (3)	21
66GA 22				0.790 (1,2)+	22
66GA 23				0.839	23
66GA 24				0.845 (2+,3,4+)	24
66GA 25				0.864 (5)	25 2 NS LT
66GA 26	0.866	1+			26
66GA 27				0.944 (2+,3,4+)	27
66GA 28				0.974 (1,2+)	28
66GA 29				0.999 (1+,2,3+)	29
66GA 30				1.001	30
66GA 31				1.018	31
66GA 32				1.062	32
66GA 33				1.065 (1+,2,3+)	33
66GA 34				1.077	34
66GA 35				1.081	35
66GA 36				1.142	36
66GA 37				1.164	37

66GA 38						1.210			38
66GA 39						1.351	(5)		39
66GA 40						1.380	(6-)		40
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66GA 41						1.450			41
66GA 42		1.456		1+					42
66GA 43						1.464	(7)		43
66GA 44						1.513	(6)		44
66GA 45		1.557		1+					45
66GA 46						1.574	1(+)		46
66GA 47						1.618	(6)		47
66GA 48		1.769		1+					48
66GA 49						1.775	(7)		49
66GA 50						2.408	(8)		50
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66GA 51						2.512	(8)		51
66GA 52						2.653	(9+)		52
66GA 53						3.043	(9+)		53
S-alpha=		3.361		( 0.001)					
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66GA 54						3.362			54
66GA 55						3.420	(10)		55
66GA 56						3.850	(0+)		56
66GA 57						4.110	(10)		57
66GA 58						4.162	(11)		58
66GA 59						4.193			59
66GA 60						4.272	(12)		60
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66GA 61						4.303			61
S-p	=	5.101		( 0.001)					
66GA 62						5.109	(13)		62
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S-p	=	5.101		( 0.001)					
S-n	=	9.137		( 0.001)					
S-2p	=	12.877		( 0.001)					
S-2n	=	21.034		( 0.002)					
S-alpha=		3.361		( 0.001)					
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S+p	=	-6.224		( 0.005)					
S+n	=	-11.227		( 0.002)					
S+2p	=	-9.749		( 0.002)					
S+2n	=	-19.505		( 0.002)					
S+alpha	=	-3.043		( 0.050)					
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gap p	=	-1.123		( 0.005)					
gap n	=	-2.089		( 0.002)					
gap 2p	=	3.128		( 0.002)					
gap 2n	=	1.529		( 0.003)					
gap alpha	=	0.318		( 0.050)					