

^{66}Ga $Z = 31$ $N = 35$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

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		

66GA 41				1.450	41		
66GA 42		1.456	1+		42		
66GA 43				1.464 (7)	43	57.3 NS	14
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		

66GA 51				2.512 (8)	51	2 NS	LT
66GA 52		2.653	(9+)		52	2 NS	LT
66GA 53		3.043	(9+)		53	0.208 NS	8
S-alpha=		3.361	(0.001)				

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	2 NS	LT
66GA 59				4.193	59		
66GA 60				4.272 (12)	60		

66GA 61				4.303	61		
S-p =		5.101	(0.001)				
66GA 62				5.109 (13)	62		

S-p =		5.101	(0.001)				
S-n =		9.138	(0.001)				
S-2p =		12.877	(0.001)				
S-2n =		21.034	(0.002)				
S-alpha=		3.361	(0.001)				

S+p =		-6.239	(0.004)				
S+n =		-11.227	(0.002)				
S+2p =		-9.749	(0.002)				
S+2n =		-19.505	(0.002)				
S+alpha =		-3.035	(0.002)				

gap p =		-1.138	(0.005)				
gap n =		-2.089	(0.002)				
gap 2p =		3.129	(0.002)				
gap 2n =		1.529	(0.003)				
gap alpha =		0.326	(0.002)				