

^{64}Ga $Z = 31$ $N = 33$ [link to full NNDC output](#)

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

BE = 551.144 (0.001) MeV

Qbeta+ = 7.171 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
64GA 1	0.000	0+			1 2.627 M 12
64GA 2				0.043 (2+)	2 21.9 US 7
64GA 3				0.128 (1+)	3 6.9 NS 7
64GA 4				0.171 (3+)	4 3 NS AP
64GA 5				0.323 (2+,1+)	5
64GA 6				0.427 (1+)	6
64GA 7				0.535 (3+)	7
64GA 8				0.538 (4+)	8
64GA 9				0.550 (1,2+)	9
64GA 10				0.605 (2+,3-)	10
64GA 11				0.667 (1+)	11
64GA 12				0.707 (4+)	12
64GA 13				0.712	13
64GA 14				0.765 (3,2+)	14
64GA 15				0.817 (1+)	15
64GA 16				0.829	16
64GA 17				0.852 (2+,1+)	17
64GA 18				0.937 (1+,0+)	18
64GA 19				1.021 (5+)	19
64GA 20				1.035	20
64GA 21				1.054	21
64GA 22				1.136	22
64GA 23				1.233	23
64GA 24				1.280 (4+)	24
64GA 25				1.357 (5+)	25
64GA 26				1.421	26
64GA 27				1.460	27
64GA 28				1.479	28
64GA 29				1.552	29
64GA 30				1.578	30
64GA 31				1.685 (5+)	31
64GA 32				1.785	32
64GA 33				1.798 (6+)	33
64GA 34				1.818	34
64GA 35				1.843 (5-)	35
64GA 36				1.859	36
64GA 37				1.905 (0+)	37

64GA 38				1.950	(6+)	38
64GA 39				2.004		39
64GA 40				2.033	(7-)	40

64GA 41				2.053	(6+)	41
64GA 42				2.104		42
64GA 43				2.181		43
64GA 44				2.337		44
64GA 45				2.354		45
64GA 46				2.384		46
64GA 47				2.396	(7-)	47
64GA 48				2.415		48
64GA 49				2.446		49
64GA 50				2.548		50

S-alpha=	2.913	(0.002)	-----			
64GA 51				2.940	(2+)	51
64GA 52				3.090	(8-)	52
64GA 53				3.103	(9-)	53
64GA 54				3.164		54
64GA 55				3.574	(9+)	55
S-p	=	3.908	(0.002)	-----		
64GA 56				4.473	(11+)	56
64GA 57				5.629	(12)	57

S-p	=	3.908	(0.002)	-----		
S-n	=	10.357	(0.002)	-----		
S-2p	=	10.623	(0.002)	-----		
S-2n	=	22.989	(0.002)	-----		
S-alpha=	2.913	(0.002)	-----			
S+p	=	-4.934	(0.003)			
S+n	=	-11.896	(0.002)			
S+2p	=	-7.770	(0.006)			
S+2n	=	-21.034	(0.002)			
S+alpha	=	-2.487	(0.002)			
gap p	=	-1.026	(0.003)			
gap n	=	-1.539	(0.003)			
gap 2p	=	2.853	(0.006)			
gap 2n	=	1.955	(0.002)			
gap alpha	=	0.426	(0.003)			