

^{68}Ga $Z = 31$ $N = 37$ adopted link ENSDF link

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

BE = 591.683 (0.001) MeV

Qbeta+ = 2.921 (0.002) MeV

	Energy T	J+		J-		J-other		T1/2

68GA	1	0.000	1+				1	67.71 M 8
68GA	2	0.175	2+				2	5 NS LE
68GA	3	0.321	1+				3	
68GA	4	0.375	2+				4	
68GA	5	0.376	3+				5	5 NS LE
68GA	6	0.496	4+				6	5 NS LE
68GA	7	0.514	1+				7	
68GA	8					0.555 (0,1,2)+	8	
68GA	9	0.565	2+				9	
68GA	10			0.584	2-		10	5 NS LE

68GA	11	0.676	3+				11	
68GA	12	0.806	4+				12	5 NS LE
68GA	13					0.825 1+,2+	13	
68GA	14					0.839 1+,2+	14	
68GA	15	0.841	3+				15	
68GA	16			0.877	4-		16	5 NS LE
68GA	17					0.947 1+,2+,3+	17	
68GA	18					0.952 2+,3+	18	
68GA	19			1.056	3-		19	5 NS LE
68GA	20					1.064 1+,2,3+	20	

68GA	21					1.101 +	21	
68GA	22			1.104	5-		22	5 NS LE
68GA	23					1.117 0+,1+,2+	23	
68GA	24					1.123 1+,2+,3+	24	
68GA	25					1.210	25	
68GA	26					1.216 2+,3,4+	26	
68GA	27	1.223	5+				27	5 NS LE
68GA	28					1.225 1+,2,3+	28	
68GA	29					1.229	29	
68GA	30			1.230	7-		30	62.0 NS 14

68GA	31					1.232 3-,4-	31	
68GA	32					1.240	32	
68GA	33			1.248	5-		33	5 NS LE
68GA	34					1.267 1,2,3+	34	
68GA	35					1.275	35	
68GA	36					1.287 2+,3,4+	36	

68GA 37						1.296 2-,3,4-	37		
68GA 38						1.317 +	38		
68GA 39				1.323		6-	39	5 NS	LE
68GA 40						1.342	40		

68GA 41						1.350	41		
68GA 42						1.412	42		
68GA 43						1.425	43		
68GA 44						1.442 3-,4,5+	44		
68GA 45						1.461	45		
68GA 46						1.489	46		
68GA 47				1.494		(5)-	47	5 NS	LE
68GA 48						1.510	48		
68GA 49						1.523	49		
68GA 50						1.539	50		

68GA 51						1.548	51		
68GA 52						1.570	52		
68GA 53						1.591	53		
68GA 54						1.617	54		
68GA 55						1.646	55		
68GA 56						1.657 2+,3,4+	56		
68GA 57						1.688 5-,6-	57		
68GA 58						1.706	58		
68GA 59						1.721	59		
68GA 60						1.742	60		

68GA 61						1.798	61		
68GA 62						1.857 5-,6-,7-	62		
68GA 63						1.913	63		
68GA 64						1.946 5-,6,7-	64		
68GA 65						1.973	65		
68GA 66						2.028	66		
68GA 67						2.039	67		
68GA 68						2.075	68		
68GA 69						2.088 (6)	69	5 NS	LE
68GA 70						2.103 (7,8)	70	5 NS	LE

68GA 71						2.141	71		
68GA 72						2.179	72		
68GA 73						2.285 (7,8)	73	5 NS	LE
68GA 74				2.397		9(-)	74	5 NS	LE
68GA 75				2.612		(8-)	75	5 NS	LE
68GA 76		2.896		9+			76	5 NS	LE
68GA 77						2.953 (8,9-)	77	5 NS	LE
68GA 78						3.818 (9)	78	5 NS	LE
68GA 79						3.853	79		
68GA 80						3.919	80		

68GA 81		3.965		11+			81	5 NS	LE

S-alpha=	4.087	(0.001)	-----
68GA 82			4.646 (11) 82
68GA 83		5.167 (13+)	83
S-p	=	6.495 (0.002)	-----
68GA 84		6.591 (15+)	84
68GA 85		7.725 (17+)	85

S-p	=	6.495 (0.002)	-----
S-n	=	8.278 (0.002)	-----
S-2p	=	15.406 (0.002)	-----
S-2n	=	19.505 (0.002)	-----
S-alpha=	4.087	(0.001)	-----

S+p	=	-7.304 (0.002)
S+n	=	-10.313 (0.002)
S+2p	=	-11.826 (0.002)
S+2n	=	-17.967 (0.002)
S+alpha	=	-3.569 (0.004)

gap p	=	-0.809 (0.003)
gap n	=	-2.035 (0.003)
gap 2p	=	3.580 (0.003)
gap 2n	=	1.538 (0.003)
gap alpha	=	0.518 (0.005)