

^{68}Ge $Z = 32$ $N = 36$ adopted link ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 590.793 (0.002) MeV

Qbeta+ = 0.107 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
68GE 1	0.000	0+			1 270.93 D 13
68GE 2	1.016	2+			2 2.08 PS 11
68GE 3	1.755	0+			3
68GE 4	1.777	2+			4 1.80 PS 14
68GE 5	2.268	4+			5 0.87 PS 10
68GE 6	2.429	3+			6 2.1 PS 7
68GE 7	2.457	2+			7 1.3 PS 4
68GE 8	2.617	0+			8
68GE 9			2.649 3-		9 2.1 PS +14-7
68GE 10	2.832	4+			10 0.8 PS +7-3
68GE 11				2.900 (4-)	11
68GE 12	2.947	2+			12
68GE 13	3.023	2+			13
68GE 14				3.041 (4)+	14
68GE 15				3.062 (3-)	15
68GE 16				3.088 2(+)	16
68GE 17	3.182	4+			17
68GE 18	3.204	0+			18
68GE 19				3.288 2(+)	19
S-alpha=	3.400 (0.002)				
68GE 20	3.400	2+			20
68GE 21				3.417	21
68GE 22				3.475	22
68GE 23	3.476	0+			23
68GE 24			3.510 4-		24
68GE 25	3.522	2+			25
68GE 26			3.582 5-		26 1.2 PS 4
68GE 27	3.604	4+			27
68GE 28			3.649 5-		28 0.4 PS +3-1
68GE 29	3.675	5+			29
68GE 30	3.696	6+			30 0.49 PS 14
68GE 31				3.735 (2+)	31
68GE 32	3.809	2+			32
68GE 33			3.883 6-		33 132 PS 35
68GE 34	4.021	4+			34
68GE 35				4.037 (2+)	35
68GE 36			4.054 7-		36 118 PS 21

68GE	37	4.078	0+															37
68GE	38	4.144	6+															38
68GE	39								4.239	(2+)								39
68GE	40	4.322	2+															40

68GE	41	4.358	0+															41
68GE	42				4.454	7-												42
68GE	43								4.568	(2+)								43
68GE	44								4.614	(3-)								44
68GE	45				4.659	7-												45
68GE	46	4.736	0+															46
68GE	47	4.789	0+															47
68GE	48	4.837	8+															48
68GE	49								4.857									49
68GE	50								4.878									50

68GE	51				4.957	8-												51
68GE	52								4.999									52
68GE	53	5.050	8+															53
68GE	54								5.074									54
68GE	55								5.149	(8-)								55
68GE	56								5.217									56
68GE	57	5.267	7+															57
68GE	58				5.330	9-												58
68GE	59	5.366	8+															59
68GE	60								5.560									60

68GE	61				5.678	9-												61
68GE	62				5.822	9-												62
68GE	63	5.874	9+															63
68GE	64	5.961	10+															64
68GE	65	6.215	10+															65
68GE	66								6.300	(8+)								66
68GE	67				6.420	10-												67
68GE	68								6.557	(10)-								68
68GE	69	6.596	10+															69
68GE	70	6.664	10+															70

68GE	71								6.671									71
68GE	72								6.960	(6+)								72
68GE	73				7.045	11-												73
68GE	74				7.145	11-												74
68GE	75								7.242	(10+)								75
68GE	76				7.251	11-												76
68GE	77								7.320	(12+)								77
68GE	78	7.371	12+															78
S-p	=	7.389 (0.002)																
68GE	79								7.496	(11-)								79
68GE	80	7.517	12+															80

68GE 81		7.532	12+							81
68GE 82		7.559	12+							82 0.8 PS +6-4
68GE 83		7.762	12+							83
68GE 84							7.881			84
68GE 85		8.043	13+							85
68GE 86					8.172		13-			86
68GE 87							8.622			87
68GE 88		8.661	14+							88
68GE 89							8.663			89
68GE 90							8.781			90

68GE 91					8.790		15-			91
68GE 92					8.868		14-			92
68GE 93							8.931	(14+)		93
68GE 94		9.012	14+							94
68GE 95		9.113	14+							95
68GE 96		9.170	14+							96 0.4 PS 2
68GE 97							9.387	15(-)		97
68GE 98		9.419	14+							98
68GE 99							9.564	15(-)		99
68GE 100		9.606	15+							100

S-p = 7.389 (0.002)-----
S-n = 12.376 (0.005)-----
S-2p = 12.658 (0.002)-----
S-2n = 21.514 (0.003)-----
S-alpha= 3.400 (0.002)-----

S+p = -3.422 (0.032)
S+n = -8.193 (0.002)
S+2p = -9.529 (0.002)
S+2n = -19.726 (0.002)
S+alpha = -3.314 (0.003)

gap p = 3.966 (0.032)
gap n = 4.183 (0.005)
gap 2p = 3.128 (0.003)
gap 2n = 1.789 (0.004)
gap alpha = 0.085 (0.003)