

^{81}Ge $Z = 32$ $N = 49$ [link to full NNDC output](#)

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

BE = 695.033 (0.002) MeV

Qbeta- = 6.242 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
81GE 1				0.000 (9/2+)	1 7.6 S 6
81GE 2				0.679 (1/2+)	2 7.6 S 6
81GE 3				0.711 (5/2+)	3 3.9 NS 2
81GE 4				0.896 (1/2-)	4 0.5 NS LT
81GE 5				1.241 (1/2+,3/2,5/2+)	5
81GE 6				1.286 (5/2+,7/2-)	6
81GE 7				1.303 (5/2+,7/2,9/2+)	7
81GE 8				1.410	8
81GE 9				1.549 (5/2+,7/2,9/2+)	9
81GE 10				1.577	10

81GE 11				1.724 (3/2-,5/2-)	11
81GE 12				1.731 (5/2+,7/2,9/2+)	12
81GE 13				1.806 (5/2+,7/2,9/2+)	13
81GE 14				1.816 (3/2-)	14
81GE 15				1.832 (3/2,5/2-)	15
81GE 16				1.855	16
81GE 17				2.138 (5/2+,7/2,9/2+)	17
81GE 18				2.175	18
81GE 19				2.420	19
81GE 20				2.529 (3/2,5/2-)	20

81GE 21				2.550 (5/2+,7/2,9/2+)	21
81GE 22				2.563 (3/2,5/2-)	22
81GE 23				2.694	23
81GE 24				2.997 (3/2-,5/2-,7/2-)	24
81GE 25				3.021 (3/2,5/2-)	25
81GE 26				3.129 (3/2,5/2,7/2)	26
81GE 27				3.437 (3/2-,5/2-)	27
81GE 28				3.503 (7/2-)	28
81GE 29				3.666 (7/2-)	29
81GE 30				3.698 (7/2)	30

81GE 31				3.773 (7/2-)	31
81GE 32				3.820 (3/2,5/2,7/2)	32
81GE 33				4.013 (3/2-,5/2-,7/2-)	33
81GE 34				4.035 (7/2-)	34
81GE 35				4.168 (3/2-)	35
81GE 36				4.277 (3/2,5/2,7/2)	36
81GE 37				4.471 (7/2-)	37

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S-p    = 14.357 ( 0.004)-----
S-n    =  4.828 ( 0.003)-----
S-2p   = 27.437 ( 0.003)-----
S-2n   = 12.908 ( 0.037)-----
S-alpha=  9.927 ( 0.003)-----

S+p    = -11.103 ( 0.004)
S+n    =  -7.195 ( 0.003)
S+2p   = -23.627 ( 0.004)
S+2n   = -10.827 ( 0.003)
S+alpha =  -8.547 ( 0.003)

gap p   =  3.254 ( 0.005)
gap n   = -2.367 ( 0.004)
gap 2p  =  3.811 ( 0.005)
gap 2n  =  2.081 ( 0.037)
gap alpha =  1.381 ( 0.004)
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