

^{81}Ge $Z = 32$ $N = 49$ adopted link ENSDF link

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

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
81GE 6				1.286 (5/2+,7/2	6
81GE 7				1.303 (5/2+,7/2	7
81GE 8				1.410	8
81GE 9				1.549 (5/2+,7/2	9
81GE 10				1.577	10

81GE 11				1.724 (3/2-,5/2	11
81GE 12				1.731 (5/2+,7/2	12
81GE 13				1.806 (5/2+,7/2	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	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	21
81GE 22				2.563 (3/2,5/2-	22
81GE 23				2.694	23
81GE 24				2.997 (3/2-,5/2	24
81GE 25				3.021 (3/2,5/2-	25
81GE 26				3.129 (3/2,5/2,	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,	32
81GE 33				4.013 (3/2-,5/2	33
81GE 34			4.035	(7/2-)	34
81GE 35			4.168	(3/2-)	35
81GE 36				4.277 (3/2,5/2,	36

S-p = 14.357 (0.004) -----
S-n = 4.828 (0.003) -----
S-2p = 27.437 (0.003) -----
S-2n = 12.907 (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 (0.006)
gap n = -2.367 (0.004)
gap 2p = 3.811 (0.005)
gap 2n = 2.080 (0.037)
gap alpha = 1.381 (0.004)