

^{82}Ge $Z = 32$ $N = 50$ adopted link ENSDF link

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

BE = 702.228 (0.002) MeV

Qbeta- = 4.690 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2
82GE 1	0.000	0+			1 4.0 S 7
82GE 2	1.348	2+			2 0.50 PS 8
82GE 3				1.952	3
82GE 4				2.029 (4+)	4
82GE 5				2.215 (2+)	5
82GE 6	2.287	4+			6
82GE 7	2.334	0+			7
82GE 8				2.525 (2+)	8
82GE 9				2.661	9
82GE 10				2.702	10
82GE 11				2.714	11
82GE 12				2.827	12
82GE 13				2.883	13
82GE 14				2.885 (4+)	14
82GE 15				2.933	15
82GE 16				2.958	16
82GE 17				3.014	17
82GE 18				3.056 (0+)	18
82GE 19				3.076	19
82GE 20	3.225	6+			20
82GE 21				3.257 (2+)	21
82GE 22				3.397 (6+)	22
82GE 23				3.572	23
82GE 24				3.606 (6+)	24
82GE 25				3.627 (4+)	25
82GE 26				3.682	26
82GE 27				3.689	27
82GE 28				3.849	28
82GE 29				4.221	29
82GE 30				5.618 (1-,2-,3-)	30
82GE 31				6.012 (1-,2-,3-)	31
82GE 32				6.063 (1-,2-,3-)	32
82GE 33				6.675 (1-,2-,3-)	33
82GE 34				6.819 (1-,2-,3-)	34

S-p = 15.076 (0.004)

S-n = 7.195 (0.003)-----
S-2p = 28.344 (0.003)-----
S-2n = 12.022 (0.003)-----
S-alpha= 10.357 (0.003)-----

S+p = -11.543 (0.004)
S+n = -3.633 (0.003)
S+2p = -25.111 (0.003)
S+2n = -8.876 (0.004)
S+alpha = -7.513 (0.003)

gap p = 3.533 (0.005)
gap n = 3.562 (0.004)
gap 2p = 3.234 (0.005)
gap 2n = 3.146 (0.005)
gap alpha = 2.844 (0.004)