

^{65}Ge $Z = 32$ $N = 33$ adopted link ENSDF link

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

BE = 556.079 (0.002) MeV

Qbeta+ = 6.179 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
65GE 1			0.000	3/2-	1 30.9 S 5
65GE 2			0.111	5/2-	2
65GE 3			0.604	5/2-	3
65GE 4			0.771	9/2-	4
65GE 5			0.890	7/2-	5
65GE 6				1.077	6
65GE 7			1.155	7/2-	7
65GE 8	1.216	9/2+			8 7 NS 1
65GE 9				1.419 9/2,13/2-	9
65GE 10	2.080	13/2+			10 2 NS LT
65GE 11				2.122 (11/2+)	11
65GE 12				2.146 (11/2-)	12
S-alpha=	2.554 (0.016)	-----			
65GE 13			2.573	11/2-	13
65GE 14				2.837 (13/2+)	14
65GE 15				3.036 (15/2+)	15
65GE 16				3.436 (17/2+)	16
65GE 17				3.738 (17/2+)	17
65GE 18				3.843 (15/2-)	18
65GE 19			4.188	15/2-	19
65GE 20			4.228	15/2-	20
65GE 21				4.504 (17/2-)	21
65GE 22			4.691	19/2-	22
S-p =	4.934 (0.003)	-----			
65GE 23				5.153 (21/2-)	23
65GE 24			5.210	23/2-	24 2 NS LT
65GE 25				5.397 25/2(-)	25
65GE 26				5.580	26
65GE 27				5.739	27
65GE 28				6.329 (25/2-,27/2-)	28
65GE 29				6.348	29
65GE 30				6.349	30
65GE 31				6.555	31
65GE 32				6.689	32
65GE 33				7.790	33
65GE 34				8.152	34

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S-p    =  4.934 ( 0.003)-----  
S-n    = 10.234 ( 0.004)-----  
S-2p   =  8.843 ( 0.003)-----  
S-2n   = 25.700 ( 0.037)-----  
S-alpha=  2.554 ( 0.016)-----  
  
S+p    =  -2.836 ( 0.006)  
S+n    = -13.200 ( 0.003)  
S+2p   =  -4.680 ( 0.067)  
S+2n   = -22.338 ( 0.005)  
S+alpha =  -2.381 ( 0.003)  
  
gap p   =  2.099 ( 0.007)  
gap n   = -2.966 ( 0.005)  
gap 2p  =  4.163 ( 0.067)  
gap 2n  =  3.361 ( 0.038)  
gap alpha =  0.173 ( 0.016)
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