

$^{79}\text{Ge}$        $Z = 32$        $N = 47$       adopted link      ENSDF link

Based on ensdf\_240402 (Apr 2024), and mass evaluation from 2020

BE = 682.126 ( 0.037) MeV

Qbeta- = 4.109 ( 0.038) MeV

	Energy T	J+	J-	J-other	T1/2
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79GE 1			0.000	(1/2)-	1 18.98 S 3
79GE 2	0.186	(7/2+)			2 39.0 S 10
79GE 3	0.391	(9/2+)			3
79GE 4			0.465	(5/2-)	4
79GE 5				0.516 (3/2-,5/2	5
79GE 6			0.607	(5/2-)	6
79GE 7				1.045	7
79GE 8				1.088	8
79GE 9				1.104	9
79GE 10				1.187	10
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79GE 11				1.474	11
79GE 12				1.556	12
79GE 13				2.050	13
79GE 14				2.070 (1/2-,3/2	14)
79GE 15				2.140 (1/2-,3/2	15)
79GE 16				2.388	16
79GE 17				2.487	17
79GE 18				2.514 (1/2-,3/2	18)
79GE 19				2.775 (1/2-,3/2	19)
79GE 20				2.779	20
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79GE 21				2.827	21
79GE 22				2.895 (1/2-,3/2	22)
79GE 23				2.999	23
79GE 24				3.168 (1/2-,3/2	24)
79GE 25				3.197	25
79GE 26				3.205 (1/2-,3/2	26)
79GE 27				3.290 (1/2-,3/2	27)
79GE 28				3.319	28
79GE 29				3.352 (1/2-,3/2	29)
79GE 30				3.421	30
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79GE 31				3.441 (1/2-,3/2	31)
79GE 32			3.784	(5/2-)	32
79GE 33				3.803	33
79GE 34				3.832	34
79GE 35				3.893 (1/2-,3/2	35)
79GE 36				3.911 (1/2-,3/2	36)

79GE 37				4.057 (1/2-,3/2 37)
79GE 38		4.084	(5/2-)	38
79GE 39				4.184 (1/2-,3/2 39)
79GE 40				4.278 40

S-p = 13.112 ( 0.037) -----  
 S-n = 5.736 ( 0.037) -----  
 S-2p = 25.316 ( 0.037) -----  
 S-2n = 14.457 ( 0.037) -----  
 S-alpha= 9.393 ( 0.037) -----

S+p = -9.976 ( 0.037)  
 S+n = -8.079 ( 0.037)  
 S+2p = -21.440 ( 0.037)  
 S+2n = -12.907 ( 0.037)  
 S+alpha = -8.238 ( 0.037)

gap p = 3.136 ( 0.053)  
 gap n = -2.343 ( 0.053)  
 gap 2p = 3.876 ( 0.053)  
 gap 2n = 1.550 ( 0.053)  
 gap alpha = 1.155 ( 0.053)