

$^{75}\text{Ga}$        $Z = 31$        $N = 44$       adopted link      ENSDF link

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

BE = 649.557 ( 0.001) MeV

Qbeta- = 3.396 ( 0.001) MeV

	Energy T	J+	J-	J-other	T1/2
75GA 1			0.000	3/2-	1 126 S 2
75GA 2				0.022 (1/2-)	2
75GA 3			0.178	3/2-	3 4 NS LT
75GA 4			0.229	5/2-	4 2 NS LT
75GA 5				0.432 (5/2-)	5
75GA 6				0.606 (7/2-)	6
75GA 7			0.882	7/2-	7
75GA 8			1.167	5/2-	8
75GA 9			1.256	3/2-	9
75GA 10				1.274 (9/2-)	10
75GA 11				1.393 (5/2,7/2,9/2-)	11
75GA 12				1.506 (11/2-)	12
75GA 13				1.508	13
75GA 14	1.510	9/2+			14
75GA 15			1.545	7/2-	15
75GA 16			1.622	7/2-	16
75GA 17				1.655	17
75GA 18				1.865 (5/2,7/2,9/2)	18
75GA 19			1.935	1/2-	19
75GA 20				1.976	20
75GA 21			2.015	7/2-	21
75GA 22				2.087 (13/2+)	22
75GA 23				2.234 (5/2,7/2,9/2-)	23
75GA 24				2.258 (5/2,7/2,9/2-)	24
75GA 25				2.273 (5/2,7/2-)	25
75GA 26				2.365 (13/2-)	26
75GA 27				2.369 (5/2,7/2,9/2-)	27
75GA 28				2.414 (5/2)	28
75GA 29				2.437 (5/2,7/2,9/2-)	29
75GA 30				2.506 (5/2,7/2,9/2)	30
75GA 31				2.557	31
75GA 32				2.564 (5/2,7/2,9/2)	32
75GA 33				2.599 (5/2+,7/2+)	33
75GA 34				2.602 (5/2,7/2,9/2)	34
75GA 35				2.635 (5/2+)	35
75GA 36				2.640	36
75GA 37				2.659 (15/2-)	37

75GA	38				2.736	(5/2+,7/2+,9/2	38-)
75GA	39				2.739	(5/2,7/2,9/2)	39
75GA	40				2.812	(5/2,7/2-)	40
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75GA	41				2.865	(5/2+,7/2+)	41
75GA	42				2.869	(5/2,7/2,9/2)	42
75GA	43				2.877	(5/2,7/2,9/2-)	43
75GA	44				2.914	(5/2,7/2,9/2-)	44
75GA	45				2.946	(17/2+)	45
75GA	46				2.955	(5/2,7/2,9/2-)	46
75GA	47				2.999	(5/2,7/2,9/2+)	47
75GA	48				3.105	(5/2,7/2,9/2)	48
75GA	49				3.195	(5/2+,7/2+,9/2	49+)
75GA	50				3.209	(5/2,7/2,9/2)	50
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75GA	51				3.521	(17/2-)	51
75GA	52				3.748		52
75GA	53				3.897	(19/2-)	53
75GA	54				4.148	(21/2+)	54

S-p = 9.993 ( 0.003)-----  
 S-n = 8.482 ( 0.003)-----  
 S-2p = 24.051 ( 0.002)-----  
 S-2n = 14.904 ( 0.002)-----  
 S-alpha= 8.174 ( 0.002)-----

S+p = -12.041 ( 0.001)  
 S+n = -5.907 ( 0.002)  
 S+2p = -20.034 ( 0.002)  
 S+2n = -13.674 ( 0.003)  
 S+alpha = -7.600 ( 0.005)

gap p = -2.048 ( 0.003)  
 gap n = 2.575 ( 0.004)  
 gap 2p = 4.018 ( 0.003)  
 gap 2n = 1.230 ( 0.003)  
 gap alpha = 0.574 ( 0.006)