

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

Based on ensdf\_240402 (Apr 2024), 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
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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
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75GA 11				1.393 (5/2,7/2,	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,	18
75GA 19			1.935	1/2-	19
75GA 20				1.976	20
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75GA 21			2.015	7/2-	21
75GA 22	2.087	(13/2+)			22
75GA 23				2.234 (5/2,7/2,	23
75GA 24				2.258 (5/2,7/2,	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,	27
75GA 28				2.414 (5/2)	28
75GA 29				2.437 (5/2,7/2,	29
75GA 30				2.506 (5/2,7/2,	30
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75GA 31				2.557	31
75GA 32				2.564 (5/2,7/2,	32
75GA 33				2.599 (5/2+,7/2	33
75GA 34				2.602 (5/2,7/2,	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	38-)
75GA 39						2.739 (5/2,7/2,	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,	42
75GA 43						2.877 (5/2,7/2,	43
75GA 44						2.914 (5/2,7/2,	44
75GA 45		2.946	(17/2+)				45
75GA 46						2.955 (5/2,7/2,	46
75GA 47						2.999 (5/2,7/2,	47
75GA 48						3.105 (5/2,7/2,	48
75GA 49						3.195 (5/2+,7/2	49+)
75GA 50						3.209 (5/2,7/2,	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)