

^{77}Ga $Z = 31$ $N = 46$ adopted link ENSDF link

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

BE = 663.231 (0.002) MeV

Qbeta- = 5.221 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2	
77GA	1			0.000	3/2(-)	1 13.2 S 2
77GA	2			0.106	(1/2-)	2 4 NS LT
77GA	3			0.161	(3/2-)	3 2 NS LT
77GA	4			0.189	(5/2-)	4 2 NS LT
77GA	5			0.474	(5/2-)	5
77GA	6			0.626	(7/2-)	6
77GA	7			0.873	(7/2-)	7
77GA	8			1.116	(9/2-)	8
77GA	9			1.234	(3/2-,5/2-)	9
77GA	10			1.282	(7/2-,9/2-)	10
77GA	11			1.403		11
77GA	12			1.477	(11/2-)	12
77GA	13			1.516		13
77GA	14			1.797		14
77GA	15			1.832	(+)	15
77GA	16			1.858		16
77GA	17			1.873		17
77GA	18			1.970	(11/2-)	18
77GA	19			2.028		19
77GA	20			2.029	(9/2+)	20 4.4 NS 8
77GA	21			2.138	(+)	21
77GA	22			2.149		22
77GA	23			2.207	(13/2-)	23
77GA	24			2.328		24
77GA	25			2.349		25
77GA	26			2.357		26
77GA	27			2.385		27
77GA	28			2.426		28
77GA	29			2.621	(13/2+)	29
77GA	30			2.699	(+)	30
77GA	31			2.806	(+)	31
77GA	32			2.829		32
77GA	33			2.862		33
77GA	34			3.218	(17/2-)	34
77GA	35			3.243		35
77GA	36			3.268	(+)	36
77GA	37			3.530		37

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S-p    = 10.978 ( 0.003)-----  
S-n    =  7.767 ( 0.003)-----  
S-2p   = 26.100 ( 0.003)-----  
S-2n   = 13.674 ( 0.003)-----  
S-alpha=  9.430 ( 0.003)-----  
  
S+p    = -13.159 ( 0.004)  
S+n    =  -5.783 ( 0.003)  
S+2p   = -22.222 ( 0.006)  
S+2n   = -12.699 ( 0.003)  
S+alpha =  -8.966 ( 0.004)  
  
gap p   = -2.180 ( 0.005)  
gap n   =  1.984 ( 0.004)  
gap 2p  =  3.878 ( 0.006)  
gap 2n  =  0.976 ( 0.004)  
gap alpha =  0.464 ( 0.005)
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