

$^{101}\text{Ag}$        $Z = 47$        $N = 54$       adopted link      ENSDF link

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

BE = 859.767 ( 0.005) MeV

Qbeta+ = 4.098 ( 0.007) MeV

	Energy T	J+	J-	J-other	T1/2
101AG 1	0.000	9/2+			1 11.1 M 3
101AG 2				0.098 (7/2)+	2
101AG 3				0.274 (1/2)-	3 3.10 S 10
101AG 4	0.687	11/2+			4 1.87 PS 21
101AG 5				0.750 (3/2)-	5
101AG 6				0.797 (5/2)-	6
101AG 7	0.861	13/2+			7 8.1 PS 7
101AG 8				0.961 (3/2,5/2)-	8
101AG 9				1.023 (5/2,7/2)+	9
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S-alpha=	1.162 ( 0.036)				
101AG 10				1.196 (5/2+,7/2)	10
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101AG 11				1.285 (3/2)+	11
101AG 12				1.301 (5/2+,7/2+)	12
101AG 13				1.325 (5/2+,7/2)	13
101AG 14				1.357 (3/2+,5/2+,7/2+)	14
101AG 15				1.418 (5/2,7/2)+	15
101AG 16				1.474 (3/2,5/2,7/2)	16
101AG 17				1.503	17
101AG 18	1.573	15/2+			18 1.46 PS 35
101AG 19				1.599 (1/2 TO 7/2)+	19
101AG 20				1.691 (5/2+,7/2)	20
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101AG 21				1.757 (15/2+)	21
101AG 22	1.769	17/2+			22 1.32 PS 14
101AG 23				1.783 (5/2+,7/2+)	23
101AG 24				1.795 (3/2+,5/2+,7/2+)	24
101AG 25				1.821 (5/2+,7/2+)	25
101AG 26				1.860	26
101AG 27				1.895	27
101AG 28				1.990 (5/2+,7/2+)	28
101AG 29	2.016	19/2+			29 6.2 PS 7
101AG 30				2.059 (5/2+,7/2+)	30
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101AG 31				2.114 17/2	31 138 PS 5
101AG 32				2.130 (5/2+,7/2+)	32
101AG 33				2.153	33
101AG 34				2.155	34
101AG 35				2.244	35
101AG 36				2.270	36

101AG 37				2.308		37		
101AG 38				2.387		38		
101AG 39				2.391	(5/2+,7/2+)	39		
101AG 40				2.430	(3/2+,5/2+,7/2+)	40		
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101AG 41				2.448		41		
101AG 42				2.455	(3/2+,5/2+,7/2	42+)		
101AG 43		2.621	21/2+			43	0.42 PS	7
101AG 44				2.680	(3/2+,5/2+,7/2	44+)		
101AG 45				2.788	(3/2+,5/2+,7/2	45+)		
101AG 46				2.876	(5/2+,7/2+)	46		
101AG 47				2.909	(3/2+,5/2+,7/2	47+)		
101AG 48				2.921	(21/2+)	48		
101AG 49				2.940	(5/2+)	49		
101AG 50				2.944	(3/2+,5/2+,7/2	50+)		
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101AG 51				2.956	(23/2+)	51	1.25 PS	21
101AG 52				3.006	(3/2+,5/2+,7/2	52+)		
101AG 53				3.010		53		
101AG 54				3.162	(3/2+,5/2+,7/2	54+)		
101AG 55				3.188		55		
101AG 56				3.209	21/2	56	0.83 PS	7
101AG 57				3.229	(3/2+,5/2+,7/2	57+)		
101AG 58				3.260	(3/2+,5/2+,7/2	58+)		
101AG 59				3.373		59		
101AG 60				3.380	(3/2+,5/2+,7/2	60+)		
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101AG 61				3.400	(3/2+,5/2+,7/2	61+)		
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S-p	=	3.411	( 0.018)	-----				
101AG 62				3.430	(3/2+,5/2+,7/2	62+)		
101AG 63				3.578	(25/2+)	63	1.39 PS	LT
101AG 64				3.615		64		
101AG 65				3.796		65		
101AG 66				3.801	23/2	66		
101AG 67				3.869	(23/2-)	67	7.9 PS	8
101AG 68				4.159	(27/2+)	68	1.73 PS	LT
101AG 69				4.216	(25/2-)	69	0.76 PS	14
101AG 70				4.314	25/2	70		
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101AG 71				4.572	(29/2+)	71	9.7 PS	7
101AG 72				4.585		72		
101AG 73				4.749	(27/2-)	73	0.76 PS	7
101AG 74				4.790		74		
101AG 75				4.801		75		
101AG 76				4.842		76		
101AG 77				5.134	(29/2-)	77	0.58 PS	6
101AG 78				5.160		78		
101AG 79				5.184		79		
101AG 80				5.300	(31/2+)	80	1.18 PS	LE
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101AG 81			5.678	(31/2-)	81	0.284 PS	35
101AG 82			5.755		82		
101AG 83			5.977		83		
101AG 84			5.984		84		
101AG 85			6.197	(33/2-)	85	0.208 PS	28
101AG 86			6.308		86		
101AG 87			6.482		87		
101AG 88			6.599		88		
101AG 89			6.918	(35/2-)	89	0.125 PS	35
101AG 90			7.393	(37/2-)	90	0.90 PS	LE
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101AG 91			7.411		91		
101AG 92			7.810		92		
101AG 93			8.346		93		
101AG 94			8.547	(41/2-)	94		
101AG 95			9.629		95		
101AG 96			9.635		96		

S-p = 3.411 ( 0.018)-----  
S-n = 11.268 ( 0.007)-----  
S-2p = 10.328 ( 0.020)-----  
S-2n = 20.765 ( 0.008)-----  
S-alpha= 1.162 ( 0.036)-----

S+p = -5.614 ( 0.005)  
S+n = -8.984 ( 0.009)  
S+2p = -7.876 ( 0.010)  
S+2n = -19.611 ( 0.006)  
S+alpha = -0.731 ( 0.011)

gap p = -2.203 ( 0.019)  
gap n = 2.284 ( 0.012)  
gap 2p = 2.452 ( 0.022)  
gap 2n = 1.154 ( 0.010)  
gap alpha = 0.431 ( 0.038)