

$^{105}\text{Ag}$        $Z = 47$        $N = 58$       adopted link      ENSDF link

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

BE = 897.789 ( 0.005) MeV

Qbeta+ = 1.347 ( 0.005) MeV

	Energy T	J+	J-	J-other	T1/2	
105AG 1			0.000	1/2-	1	41.29 D 7
105AG 2	0.025	7/2+			2	7.23 M 16
105AG 3	0.053	9/2+			3	2.33 NS 8
105AG 4			0.347	3/2-	4	
105AG 5			0.433	5/2-	5	
105AG 6				0.615 (5/2+:11/2+)	6	
105AG 7	0.669	11/2+			7	
105AG 8				0.802	8	
105AG 9			0.878	3/2-	9	
105AG 10	0.917	13/2+			10	
105AG 11				0.987 (5/2)+	11	
105AG 12			1.024	7/2-	12	54 PS +35-22
105AG 13				1.043 3/2-,5/2-	13	67 PS +34-27
105AG 14				1.097 (9/2+)	14	29 PS +13-11
105AG 15			1.166	9/2-	15	35 PS +18-14
105AG 16				1.243 (3/2+,5/2,7/2-)	16	135 PS +86-65
105AG 17				1.294 (7/2-)	17	24 PS +10-8
105AG 18	1.295	1/2+			18	
105AG 19	1.328	5/2+			19	83 PS +48-34
105AG 20				1.345	20	
105AG 21				1.386 3/2+,5/2+	21	52 PS +24-21
105AG 22				1.416 1/2,3/2,5/2-	22	
105AG 23	1.442	5/2+			23	26 PS +14-12
105AG 24				1.543 3/2-,5/2-	24	33 PS +17-13
105AG 25	1.558	3/2+			25	15 PS +10-9
105AG 26				1.573 (11/2+)	26	
105AG 27	1.587	1/2+			27	33 PS +17-13
105AG 28	1.636	3/2+			28	
105AG 29				1.636 (5/2+)	29	
105AG 30				1.643 7/2-,9/2-	30	
105AG 31				1.656 3/2,5/2,7/2	31	
105AG 32				1.666 (13/2)+	32	
105AG 33				1.670 (3/2+,5/2)	33	
105AG 34	1.681	15/2+			34	
105AG 35				1.691 (3/2+,5/2)	35	
105AG 36				1.706 3/2-,5/2-	36	
105AG 37				1.719 (5/2:9/2)	37	11 PS +7-6

105AG 38		1.734	15/2+					38	5.6 NS	5
105AG 39						1.750	(5/2+)	39		
105AG 40						1.757	7/2-,9/2-	40		
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105AG 41		1.794	7/2+					41		
105AG 42						1.828	7/2-,9/2-	42		
105AG 43						1.843	3/2-,5/2-	43		
105AG 44						1.859	(5/2+:13/2+)	44		
105AG 45						1.875	7/2-,9/2-	45		
105AG 46						1.883	(9/2+)	46		
105AG 47						1.886	(5/2+,7/2+,9/2+)	47		
105AG 48						1.921	(11/2-,13/2-)	48		
105AG 49						1.923	(7/2)+	49	19 PS	+8-7
105AG 50					1.959	1/2-		50		
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105AG 51		1.978	17/2+					51		
105AG 52						1.983	(5/2+)	52		
105AG 53		1.986	5/2+					53		
105AG 54		2.022	17/2+					54		
105AG 55						2.029	7/2-,9/2-	55		
105AG 56						2.061	3/2-,5/2-	56		
105AG 57						2.082	5/2+,7/2+	57	15 PS	+7-6
S-alpha=		2.083	(0.007)							
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105AG 58						2.086	3/2-,5/2-	58		
105AG 59						2.093		59		
105AG 60						2.111	7/2-,9/2-	60		
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105AG 61						2.114	(5/2:13/2)	61		
105AG 62					2.127	1/2-		62		
105AG 63						2.144	3/2-,5/2-	63		
105AG 64		2.156	3/2+					64		
105AG 65						2.166		65		
105AG 66						2.197	3/2-,5/2-	66		
105AG 67						2.220	7/2-,9/2-	67		
105AG 68						2.250	(1/2+,3/2)	68		
105AG 69						2.252	7/2-,9/2-	69		
105AG 70		2.257	5/2+					70		
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105AG 71		2.276	5/2+					71		
105AG 72		2.277	17/2+					72		
105AG 73					2.299	17/2-		73		
105AG 74						2.300	3/2+,5/2+	74		
105AG 75		2.308	3/2+					75		
105AG 76		2.313	19/2+					76		
105AG 77		2.315	5/2+					77		
105AG 78						2.326	(5/2+)	78		
105AG 79						2.328	3/2,5/2,7/2	79		
105AG 80		2.333	3/2+					80		
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105AG 81						2.334	(11/2-,13/2-)	81		

105AG 82				2.359	3/2-, 5/2-	82
105AG 83				2.372	5/2+, 7/2+	83
105AG 84				2.401	(3/2+)	84
105AG 85				2.409	5/2, 7/2, 9/2	85
105AG 86				2.419	5/2+, 7/2+, 9/2+	86
105AG 87	2.423	3/2+				87
105AG 88				2.429	(11/2-, 13/2-)	88
105AG 89				2.429	(3/2+)	89
105AG 90				2.445	7/2-, 9/2-	90
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105AG 91				2.447	(5/2+, 7/2+)	91
105AG 92			2.470	15/2-		92
105AG 93				2.473	(5/2+, 7/2+)	93
105AG 94				2.486	7/2-, 9/2-	94
105AG 95				2.495	(3/2+: 9/2-)	95
105AG 96			2.497	15/2-		96
105AG 97				2.502		97
105AG 98			2.521	1/2-		98
105AG 99				2.534		99
105AG 100				2.551	(5/2-)	100
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105AG 101				2.583	7/2-, 9/2-	101
105AG 102				2.584	(5/2+)	102
105AG 103			2.596	17/2-		103
105AG 104				2.602		104
105AG 105				2.613	3/2-, 5/2-	105
105AG 106				2.617		106
105AG 107				2.622	(15/2-)	107
105AG 108				2.636	3/2-, 5/2-	108
105AG 109				2.654	7/2-, 9/2-	109
105AG 110				2.675	7/2-, 9/2-	110
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105AG 111				2.719		111
105AG 112				2.728		112
105AG 113				2.745		113
105AG 114			2.751	19/2-		114
105AG 115	2.761	21/2+				115
105AG 116				2.769		116
105AG 117				2.775	(17/2)-	117
105AG 118				2.820		118
105AG 119				2.839	(19/2+)	119
105AG 120				2.865	(19/2+)	120
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105AG 121				2.908	(19/2-)	121
105AG 122			2.936	21/2-		122
105AG 123				2.944	(19/2-)	123
105AG 124				3.102	(21/2)-	124
105AG 125	3.125	21/2+				125
105AG 126			3.176	23/2-		126
105AG 127			3.177	21/2-		127

105AG 128						3.351	(21/2+)	128
105AG 129						3.408	(23/2-)	129
105AG 130						3.481	(23/2)-	130
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105AG 131				3.510		25/2-		131 0.354 PS 74
105AG 132						3.786	(25/2-)	132
105AG 133						3.867	(25/2-)	133
105AG 134						3.899	(23/2)+	134
105AG 135						3.909	(23/2)+	135
105AG 136				3.928		27/2-		136 0.340 PS 79
105AG 137		4.158		25/2+				137
105AG 138						4.250	(27/2-)	138
105AG 139						4.313	(27/2-)	139
105AG 140				4.361		29/2-		140 0.319 PS 76
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105AG 141		4.461		27/2+				141
105AG 142						4.718	(29/2-)	142
105AG 143						4.796	(29/2-)	143
105AG 144		4.840		29/2+				144 0.347 PS 73
105AG 145				4.932		31/2-		145 0.263 PS 46
S-p	=	4.965	(	0.005)	-----			
105AG 146		5.226		31/2+				146 0.333 PS 78
105AG 147						5.227	(31/2-)	147
105AG 148						5.334	(31/2-)	148
105AG 149				5.445		33/2-		149 0.194 PS 43
105AG 150						5.531	(31/2-)	150
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105AG 151		5.700		33/2+				151 0.194 PS 36
105AG 152						5.855	(33/2-)	152
105AG 153				6.113		35/2-		153
105AG 154		6.161		35/2+				154 0.492 PS 81
105AG 155						6.220	(35/2-)	155
105AG 156						6.609	(37/2-)	156
105AG 157		6.691		37/2+				157
105AG 158				6.715		37/2-		158
105AG 159						7.051	(39/2-)	159
105AG 160						7.219	(39/2)+	160
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105AG 161						7.438	(39/2-)	161
105AG 162						7.566	(41/2-)	162
105AG 163		7.806		41/2+				163
105AG 164						8.421	(43/2+)	164
105AG 165						9.102	(45/2+)	165

S-p = 4.965 ( 0.005)-----  
S-n = 10.026 ( 0.006)-----  
S-2p = 13.617 ( 0.005)-----  
S-2n = 18.411 ( 0.006)-----  
S-alpha= 2.083 ( 0.007)-----

S+p = -7.350 ( 0.005)  
S+n = -7.943 ( 0.005)  
S+2p = -11.074 ( 0.011)  
S+2n = -17.479 ( 0.005)  
S+alpha = -1.844 ( 0.006)

gap p = -2.386 ( 0.007)  
gap n = 2.083 ( 0.008)  
gap 2p = 2.543 ( 0.012)  
gap 2n = 0.932 ( 0.008)  
gap alpha = 0.240 ( 0.010)