

$^{108}\text{In}$        $Z = 49$        $N = 59$       adopted link      ENSDF link

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

BE = 917.487 ( 0.009) MeV

Qbeta+ = 5.133 ( 0.009) MeV

	Energy T	J+		J-		J-other	T1/2
108IN 1	0.000	7+					1 58.0 M 12
108IN 2	0.030	2+					2 39.6 M 7
108IN 3					0.097	(6,7,8)	3
108IN 4	0.151	7+					4
108IN 5	0.198	3+					5
108IN 6					0.231	(4)+	6
108IN 7					0.248	6+, (7)+	7
108IN 8	0.266	3+					8
108IN 9					0.289	(5)+	9
108IN 10	0.302	2+					10
108IN 11	0.482	4+					11
108IN 12					0.598	5+, (6)+	12
108IN 13					0.633	4+, 5+	13
108IN 14					0.682	5+, (6)+	14
108IN 15	0.699	1+					15
108IN 16			0.764	2-			16
108IN 17	0.808	8+					17
108IN 18					0.868	3-, 2-	18
108IN 19					0.904	(7-)	19
108IN 20					0.957	(8+)	20
108IN 21					0.982	(5,6)	21
108IN 22					1.010	(2,3)+	22
108IN 23					1.028	(4,3)	23
108IN 24					1.037	4,5,6	24
108IN 25					1.070	(4,3)	25
108IN 26					1.086	GE 4+	26
108IN 27					1.095	1,2,3	27
108IN 28					1.110	2,3,4	28
108IN 29					1.114	1,2,3	29
108IN 30					1.114		30
108IN 31			1.119	8-			31
108IN 32					1.159	2,3,4	32
108IN 33					1.167		33
108IN 34					1.178		34
108IN 35					1.183		35
108IN 36	1.191	1+					36
108IN 37					1.213		37

108IN 38				1.261		38
108IN 39				1.266		39
108IN 40				1.271		40
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108IN 41				1.294		41
108IN 42				1.310		42
108IN 43				1.315		43
108IN 44				1.333	(9)-	44
108IN 45				1.358		45
108IN 46				1.397	(9+)	46
108IN 47				1.401		47
108IN 48				1.411		48
108IN 49				1.416		49
108IN 50				1.423		50
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S-alpha=	1.428	( 0.010)	-----			
108IN 51				1.457		51
108IN 52				1.469		52
108IN 53				1.486		53
108IN 54				1.498		54
108IN 55				1.532		55
108IN 56				1.543		56
108IN 57				1.556		57
108IN 58		1.557	9+			58
108IN 59				1.563		59
108IN 60				1.590		60
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108IN 61				1.612		61
108IN 62				1.630		62
108IN 63				1.634	(11+)	63
108IN 64				1.707	(9+)	64
108IN 65				1.862	(10-)	65
108IN 66				2.078	9(-)	66
108IN 67				2.085	(11-)	67
108IN 68				2.254		68
108IN 69			2.364 9-			69
108IN 70			2.368 10-			70
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108IN 71				2.407	(12-)	71
108IN 72				2.431		72
108IN 73				2.439	10(-)	73
108IN 74				2.467	(11)-	74
108IN 75			2.515 10-			75
108IN 76				2.617		76
108IN 77				2.621	(12+)	77
108IN 78			2.662 11-			78
108IN 79				2.696	(11-)	79
108IN 80				2.761		80
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108IN 81			2.815 12-			81

108IN 82						2.821	(13-)		82	
108IN 83				2.879	11-				83	
108IN 84				3.008	12-				84	
108IN 85						3.010			85	
108IN 86				3.046	13-				86	
108IN 87						3.064	(13+)		87	
108IN 88				3.103	12-				88	
108IN 89						3.274	(12-)		89	
108IN 90				3.382	14-				90 1.13 PS 4	
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108IN 91						3.404	(14-)		91	
108IN 92						3.425	(13-)		92	
108IN 93						3.446	(13-)		93	
108IN 94						3.548	11(-)		94	
108IN 95				3.644	13-				95	
108IN 96						3.676	(15-)		96	
108IN 97				3.828	15-				97	
108IN 98						3.839	(14-)		98	
108IN 99						3.877	(15-)		99	
108IN 100				3.910	15-				100 0.42 PS +7-17	
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108IN 101						3.972	14(-)		101	
108IN 102						4.051	(15-)		102	
108IN 103						4.101	13		103	
108IN 104						4.135			104	
108IN 105						4.266	14(-)		105	
108IN 106		4.331	13+						106	
108IN 107						4.350	(14+)		107	
108IN 108						4.383	15(-)		108	
108IN 109						4.408	(15+)		109	
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S-p =	4.418	(	0.009)	-----						
108IN 110						4.442	(16-)		110	
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108IN 111						4.465	(14+)		111	
108IN 112						4.471	(15-)		112	
108IN 113						4.486	(16-)		113	
108IN 114						4.495			114	
108IN 115		4.517	14+						115	
108IN 116				4.571	16-				116 0.308 PS +17-33	
108IN 117						4.698	(17-)		117	
108IN 118		4.773	15+						118	
108IN 119						4.879	15		119	
108IN 120						5.077	(16-)		120	
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108IN 121		5.130	16+						121 0.299 PS +27-24	
108IN 122				5.157	17-				122	
108IN 123						5.186			123	
108IN 124						5.492	(17-)		124	
108IN 125						5.538			125	
108IN 126		5.604	17+						126 0.155 PS +12-10	

108IN 127						5.707	17		127	
108IN 128						5.807	17		128	
108IN 129				5.893	18-				129	
108IN 130						5.955	(18-)		130	
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108IN 131		6.169	18+						131 0.110 PS 8	
108IN 132						6.448	(19-)		132	
108IN 133		6.588	18+						133	
108IN 134						6.612	19		134	
108IN 135		6.711	19+						135 0.038 PS +7-12	
108IN 136						7.213	(19+)		136	
108IN 137						7.235	(20+)		137	
108IN 138						7.287	(20+)		138	
108IN 139						7.614	21		139	
108IN 140						7.748			140	
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108IN 141						7.831	(21+)		141	
108IN 142						8.016	(21+)		142	
108IN 143						8.558	(22+)		143	
108IN 144						8.571	(22+)		144	
S-n	=	8.625	( 0.013)	-----						
108IN 145						8.793	(23)		145	
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S-p	=	4.418	( 0.009)	-----						
S-n	=	8.625	( 0.013)	-----						
S-2p	=	11.755	( 0.009)	-----						
S-2n	=	19.654	( 0.015)	-----						
S-alpha	=	1.428	( 0.010)	-----						
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S+p	=	-5.799	( 0.012)							
S+n	=	-10.441	( 0.010)							
S+2p	=	-7.908	( 0.010)							
S+2n	=	-18.493	( 0.014)							
S+alpha	=	0.096	( 0.020)							
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gap p	=	-1.381	( 0.015)							
gap n	=	-1.816	( 0.016)							
gap 2p	=	3.848	( 0.014)							
gap 2n	=	1.162	( 0.021)							
gap alpha	=	1.524	( 0.022)							