

$^{131}\text{Cs}$        $Z = 55$        $N = 76$       adopted link      ENSDF link

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

BE = 1102.369 ( 0.000) MeV

Qbeta+ = 0.358 ( 0.000) MeV

	Energy T	J+	J-	J-other	T1/2
131CS	1   0.000	5/2+			1 9.689 D 16
131CS	2   0.079	7/2+			2 9.4 NS 2
131CS	3   0.124	1/2+			3 3.75 NS 5
131CS	4   0.134	5/2+			4 8.6 NS 3
131CS	5   0.216	3/2+			5 0.2 NS LE
131CS	6			0.274	6
131CS	7   0.373	3/2+			7 0.25 NS LE
131CS	8   0.496	9/2+			8
131CS	9			0.585 3/2+,5/2+	9
131CS	10			0.596 (5/2+,7/2+)	10
131CS	11   0.616	11/2+			11
131CS	12   0.620	1/2+			12 0.15 NS LT
131CS	13   0.658	7/2+			13
131CS	14   0.696	3/2+			14
131CS	15			0.750 (+)	15
131CS	16			0.764 (3/2+,5/2+)	16
131CS	17		0.775 11/2-		17 10.46 NS 14
131CS	18			0.920 (5/2+)	18
131CS	19   1.044	7/2+			19
131CS	20   1.048	3/2+			20
131CS	21   1.147	13/2+			21
131CS	22   1.171	3/2+			22
131CS	23			1.212	23
131CS	24			1.258 (7/2+)	24
131CS	25			1.288	25
131CS	26		1.309 15/2-		26
131CS	27			1.314 (7/2+)	27
131CS	28   1.324	15/2+			28
131CS	29			1.342 3/2	29
131CS	30			1.355 (+)	30
131CS	31			1.383	31
131CS	32		1.404 13/2-		32
131CS	33			1.458	33
S-alpha=	1.497 ( 0.004)	-----			
131CS	34			1.498	34
131CS	35			1.558	35
131CS	36			1.587 (+)	36

131CS 37						1.617		37
131CS 38				1.636	15/2-			38
131CS 39						1.671	(7/2+)	39
131CS 40						1.708		40
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131CS 41						1.744		41
131CS 42		1.928	17/2+					42
131CS 43				1.948	15/2-			43
131CS 44				1.973	19/2-			44
131CS 45						2.006	(15/2-)	45
131CS 46				2.022	17/2-			46
131CS 47		2.155	19/2+					47
131CS 48				2.223	17/2-			48
131CS 49				2.343	19/2-			49
131CS 50		2.553	17/2+					50
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131CS 51						2.572	(19/2-)	51
131CS 52				2.660	21/2-			52
131CS 53				2.675	21/2-			53
131CS 54		2.685	19/2+					54
131CS 55		2.734	21/2+					55
131CS 56		2.779	21/2+					56
131CS 57				2.816	23/2-			57
131CS 58		2.834	21/2+					58
131CS 59		2.874	23/2+					59
131CS 60		3.033	23/2+					60
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131CS 61		3.042	25/2+					61
131CS 62		3.057	23/2+					62
131CS 63						3.063	(23/2-)	63
131CS 64		3.163	25/2+					64
131CS 65						3.279	(23/2-)	65
131CS 66		3.414	25/2+					66
131CS 67						3.425	(25/2-)	67
131CS 68				3.464	25/2-			68
131CS 69				3.521	25/2-			69
131CS 70						3.592	(25/2+)	70
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131CS 71				3.620	27/2-			71
131CS 72						3.667	(27/2+)	72
131CS 73		3.722	27/2+					73
131CS 74				3.724	27/2-			74
131CS 75						3.856	(29/2+)	75
131CS 76						3.868	(29/2+)	76
131CS 77						3.871	(27/2-)	77
131CS 78						3.971	(27/2+)	78
131CS 79				4.011	29/2-			79
131CS 80						4.043	(27/2-)	80
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131CS 81		4.144	29/2+					81

131CS	82				4.291	(29/2-)	82
131CS	83				4.347	(29/2+)	83
131CS	84		4.386	31/2-			84
131CS	85				4.623	(31/2+)	85
131CS	86				4.642	(31/2-)	86
131CS	87				4.653	(31/2+)	87
131CS	88				4.717	(31/2-)	88
131CS	89		4.734	33/2+			89
131CS	90				4.856	(33/2+)	90
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131CS	91		4.904	33/2-			91
131CS	92				5.078	(33/2+)	92
131CS	93				5.264	(35/2-)	93
S-p	=	5.464	( 0.000)	-----			
131CS	94				5.735	(37/2+)	94

S-p = 5.464 ( 0.000)-----  
S-n = 9.227 ( 0.008)-----  
S-2p = 14.126 ( 0.003)-----  
S-2n = 16.699 ( 0.005)-----  
S-alpha= 1.497 ( 0.004)-----

S+p = -7.668 ( 0.001)  
S+n = -7.168 ( 0.001)  
S+2p = -12.017 ( 0.028)  
S+2n = -16.158 ( 0.000)  
S+alpha = -1.013 ( 0.009)

gap p = -2.204 ( 0.001)  
gap n = 2.059 ( 0.008)  
gap 2p = 2.109 ( 0.028)  
gap 2n = 0.541 ( 0.005)  
gap alpha = 0.484 ( 0.010)