

^{122}Cs $Z = 55$ $N = 67$ adopted link ENSDF link

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

BE = 1019.816 (0.034) MeV

Qbeta+ = 7.210 (0.035) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-0.401	(0.039)	-----		
122CS 1	0.000	1+			1 21.18 S 19
122CS 2				0.016	2
122CS 3				0.046 (3)+	3 1 US GT
122CS 4				0.070	4
122CS 5				0.117 0,1,2	5
122CS 6				0.122	6
122CS 7				0.125	7
122CS 8				0.127 (5)-	8 0.36 S 2
122CS 9				0.140 8(-)	9 3.70 M 11
122CS 10				0.142	10

122CS 11				0.161	11
122CS 12				0.178	12
122CS 13				0.206	13
122CS 14				0.224	14
122CS 15				0.235 (9-)	15
122CS 16				0.238	16
122CS 17				0.261	17
122CS 18				0.266	18
122CS 19				0.272 (9+)	19
122CS 20				0.274	20

122CS 21				0.280	21
122CS 22				0.302	22
122CS 23				0.307	23
122CS 24				0.320	24
122CS 25				0.324 (10+)	25
122CS 26				0.333	26
122CS 27				0.339	27
122CS 28				0.350	28
122CS 29				0.365	29
122CS 30				0.366 (10-)	30

122CS 31				0.411	31
122CS 32				0.427 (11+)	32
122CS 33				0.454 (10)	33
122CS 34				0.485	34
122CS 35				0.509 (12+)	35
122CS 36				0.538	36

122CS 37				0.551		37
122CS 38				0.569	(11-)	38
122CS 39				0.788	(12-)	39
122CS 40				0.815	(13+)	40

122CS 41				0.892	(11-)	41
122CS 42				0.910	(11-)	42
122CS 43				0.981	(14+)	43
122CS 44				1.056	(13+)	44
122CS 45				1.073	(13-)	45
122CS 46				1.083	(12-)	46
122CS 47				1.358	(13-)	47
122CS 48				1.361	(14-)	48
122CS 49				1.374	(15+)	49
122CS 50				1.633	(15+)	50

122CS 51				1.640	(16+)	51
122CS 52				1.700	(14-)	52
122CS 53				1.707	(15-)	53
122CS 54				1.938	(15-)	54
122CS 55				2.052	(16-)	55
122CS 56				2.078	(17+)	56
122CS 57				2.368	(17+)	57
122CS 58				2.399	(16-)	58
122CS 59				2.444	(17-)	59
122CS 60				2.454	(18+)	60

122CS 61				2.624	(17-)	61
122CS 62				2.836	(18-)	62
122CS 63				2.910	(19+)	63
S-p =	2.953	(0.035)	-----		
122CS 64				3.194	(18-)	64
122CS 65				3.234	(19+)	65
122CS 66				3.263	(19-)	66
122CS 67				3.391	(20+)	67
122CS 68				3.407	(19-)	68
122CS 69				3.706	(20-)	69
122CS 70				3.757	(20+)	70

122CS 71				3.848	(21+)	71
122CS 72				4.020	(20-)	72
122CS 73				4.157	(21-)	73
122CS 74				4.189	(21+)	74
122CS 75				4.280	(21-)	75
122CS 76				4.287	(21-)	76
122CS 77				4.426	(22+)	77
122CS 78				4.585	(22+)	78
122CS 79				4.653	(22-)	79
122CS 80				4.873	(23+)	80

122CS	81				4.886	(22-)	81
122CS	82				5.121	(23-)	82
122CS	83				5.252	(23-)	83
122CS	84				5.528	(24+)	84
122CS	85				5.652	(24-)	85
122CS	86				5.837	(24-)	86
122CS	87				5.961	(25+)	87
122CS	88				6.166	(25-)	88
122CS	89				6.667	(26+)	89
122CS	90				7.105	(27+)	90

122CS	91				7.873	(28+)	91

S-p = 2.953 (0.035)-----
 S-n = 9.114 (0.037)-----
 S-2p = 8.975 (0.037)-----
 S-2n = 20.399 (0.035)-----
 S-alpha= -0.401 (0.039)-----

S+p = -4.799 (0.036)
 S+n = -10.970 (0.036)
 S+2p = -6.692 (0.066)
 S+2n = -19.739 (0.035)
 S+alpha = 0.746 (0.097)

gap p = -1.847 (0.050)
 gap n = -1.857 (0.051)
 gap 2p = 2.284 (0.076)
 gap 2n = 0.660 (0.050)
 gap alpha = 0.345 (0.104)