

^{83}Sr $Z = 38$ $N = 45$ adopted link ENSDF link

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

BE = 716.988 (0.007) MeV

Qbeta+ = 2.273 (0.007) MeV

	Energy T	J+	J-	J-other	T1/2
83SR 1	0.000	7/2+			1 32.41 H 3
83SR 2	0.035	9/2+			2 15 NS LT
83SR 3			0.259 1/2-		3 4.95 S 12
83SR 4				0.490 (7/2-)	4
83SR 5				0.545	5
83SR 6				0.651 (3/2+,5/2-)	6
83SR 7				0.681 (3/2-)	7
83SR 8				0.718 (7/2,9/2)	8
83SR 9				0.754 (5/2-)	9
83SR 10				0.791	10
83SR 11	0.800	11/2+			11 3.7 PS +35-14
83SR 12				0.835	12
83SR 13				0.846 (7/2,9/2-)	13
83SR 14	0.894	11/2+			14 1.6 PS 6
83SR 15	0.910	13/2+			15 3.5 PS 2
83SR 16				0.952 (5/2+,7/2-)	16
83SR 17				0.963 (7/2,9/2,11/2+)	17
83SR 18				1.093	18
83SR 19				1.098	19
83SR 20				1.141	20
83SR 21				1.233 (7/2,9/2)	21
83SR 22				1.239 (7/2,9/2,11/2+)	22
83SR 23				1.366 (7/2,9/2)	23
83SR 24				1.372 (7/2+)	24
83SR 25				1.434 (7/2,9/2)	25
83SR 26				1.448 (9/2-)	26
83SR 27				1.499 (7/2,9/2)	27
83SR 28				1.575 (9/2)+	28
83SR 29				1.590	29
83SR 30				1.605 (7/2,9/2)	30
83SR 31				1.745 (7/2,9/2,11/2+)	31
83SR 32				1.753 (7/2,9/2,11/2+)	32
83SR 33	1.857	15/2+			33
83SR 34				1.883 (7/2,9/2)	34
83SR 35				1.915 (7/2,9/2-)	35
83SR 36				1.964 (7/2,9/2)	36
83SR 37	1.988	17/2+			37 0.8 PS 2

83SR 38						2.017	(7/2,9/2)	38				
83SR 39						2.045	(13/2-)	39				
83SR 40						2.074	(7/2,9/2)	40				

83SR 41						2.090	(7/2,9/2,11/2+)	41				
83SR 42						2.107	(13/2-)	42				
83SR 43						2.373	(7/2,9/2,11/2+)	43				
83SR 44						2.539	(15/2)	44				
83SR 45						2.643	(17/2-)	45				
83SR 46						2.848	(17/2-)	46				
83SR 47						2.905	(7/2+,9/2+,11/2)	47+)				
83SR 48						2.944	(7/2+,9/2+,11/2)	48+)				
83SR 49						3.009	(19/2+)	49				
83SR 50						3.046	(19/2-)	50				

83SR 51		3.117	21/2+					51	0.7 PS	LT		
83SR 52						3.350	(21/2+)	52				
83SR 53						3.470	(21/2-)	53				
83SR 54						3.526	(21/2-)	54				
83SR 55		3.644	23/2+					55	8.7 PS	4		
83SR 56						4.044	(23/2-)	56				
83SR 57		4.169	25/2+					57				
83SR 58						4.195	(23/2-)	58				
83SR 59						4.397	(25/2+)	59				
83SR 60						4.634	(25/2-)	60				

83SR 61		4.753	27/2+					61				
S-alpha=		4.780	(0.008)	-----								
83SR 62						4.948	(-)	62				
83SR 63						5.092	(27/2+)	63				
83SR 64						5.209	(27/2-)	64				
83SR 65		5.380	29/2+					65				
83SR 66						5.395	(-)	66				
83SR 67						5.613	(29/2+)	67				
83SR 68						5.857	(29/2-)	68				
83SR 69		6.206	31/2+					69				
83SR 70						6.429	(31/2-)	70				

83SR 71		6.754	33/2+					71				
83SR 72						7.103		72				
83SR 73						7.236		73				
83SR 74						7.740	(35/2-)	74				
83SR 75						7.772		75				
83SR 76						7.798		76				
83SR 77						7.807	(35/2-)	77				
83SR 78		7.855	35/2+					78				
S-p	=	7.899	(0.007)	-----								
83SR 79		8.121	37/2+					79				
S-n	=	8.859	(0.009)	-----								
83SR 80						9.190		80				

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83SR	81			9.277	(39/2-)	81
83SR	82			9.290	(39/2-)	82
83SR	83			9.353		83
83SR	84			9.469		84
83SR	85		9.651	41/2+		85
83SR	86		9.783	39/2+		86

S-p = 7.899 (0.007)-----
 S-n = 8.859 (0.009)-----
 S-2p = 13.679 (0.007)-----
 S-2n = 21.412 (0.008)-----
 S-alpha= 4.780 (0.008)-----

S+p = -4.386 (0.008)
 S+n = -11.923 (0.007)
 S+2p = -10.956 (0.009)
 S+2n = -20.448 (0.007)
 S+alpha = -4.974 (0.008)

gap p = 3.513 (0.011)
 gap n = -3.065 (0.011)
 gap 2p = 2.724 (0.012)
 gap 2n = 0.964 (0.011)
 gap alpha = -0.194 (0.011)