

^{84}Sr $Z = 38$ $N = 46$ adopted link ENSDF link

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

BE = 728.911 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
84SR 1	0.000	0+			1 STABLE
84SR 2	0.793	2+			2 3.23 PS 35
84SR 3	1.454	2+			3
84SR 4	1.504	0+			4
84SR 5	1.768	4+			5 1.4 PS 4
84SR 6				2.056 (3)+	6
84SR 7	2.072	0+			7
84SR 8				2.298	8
84SR 9				2.390 2	9
84SR 10			2.448 3-		10
84SR 11				2.525 (0+)	11
84SR 12				2.598 (4+)	12
84SR 13				2.735 (5+)	13
84SR 14				2.769 (5-)	14 9.5 PS 6
84SR 15	2.808	6+			15 1.01 PS 21
84SR 16	2.887	2+			16
84SR 17				3.041 (5-)	17
84SR 18				3.099 6(+)	18
84SR 19				3.157 (7+)	19
84SR 20				3.175 (2+)	20
84SR 21			3.255 3-		21
84SR 22				3.271 (4,5,6)+	22
84SR 23				3.279 (6-)	23
84SR 24	3.330	0+			24
84SR 25	3.332	8+			25 157 PS 5
84SR 26				3.455	26
84SR 27				3.488 (7-)	27 4.4 PS 5
84SR 28				3.512 (4+,5-)	28
84SR 29				3.578	29
84SR 30				3.650 (7-)	30
84SR 31	3.680	8+			31 3.33 PS 14
84SR 32				3.749 (7)	32
84SR 33				3.750 (3-,4+)	33
84SR 34				3.820	34
84SR 35				3.918	35
84SR 36				3.960	36
84SR 37				4.029 (8+)	37
84SR 38	4.063	4+			38

84SR 39						4.260				39
84SR 40						4.268	(8-)			40

84SR 41						4.366	(4+)			41
84SR 42						4.370	(9+)			42
84SR 43		4.448	10+							43 2.22 PS 35
84SR 44		4.534	10+							44 1.66 PS 14
84SR 45						4.540				45
84SR 46						4.636	(9-)			46 2.5 PS 4
84SR 47						4.660				47
84SR 48						4.740				48
84SR 49						4.746	(8,9,10+)			49
84SR 50						5.151				50

S-alpha=		5.181	(0.001)	-----						
84SR 51						5.444	(11-)			51 7.5 PS 10
84SR 52		5.653	12+							52 0.61 PS 21
84SR 53						5.892	(12+)			53 0.24 PS 10
84SR 54						6.069	(12-)			54 0.42 PS 14
84SR 55						6.484	(13-)			55 0.62 PS 28
84SR 56		6.740	14+							56 0.42 PS 14
84SR 57						6.917	(14-)			57
84SR 58						7.823	(15+)			58
84SR 59		8.006	16+							59 0.21 PS 7
S-p	=	8.868	(0.003)	-----						
84SR 60						9.098	(17+)			60

84SR 61		9.425	18+							61 0.14 PS 6

S-p	=	8.868	(0.003)	-----						
S-n	=	11.923	(0.007)	-----						
S-2p	=	14.636	(0.001)	-----						
S-2n	=	20.782	(0.006)	-----						
S-alpha=		5.181	(0.001)	-----						

S+p	=	-4.482	(0.019)	-----						
S+n	=	-8.525	(0.003)	-----						
S+2p	=	-11.897	(0.004)	-----						
S+2n	=	-20.016	(0.001)	-----						
S+alpha	=	-5.404	(0.006)	-----						

gap p	=	4.386	(0.019)	-----						
gap n	=	3.398	(0.008)	-----						
gap 2p	=	2.738	(0.004)	-----						
gap 2n	=	0.766	(0.006)	-----						
gap alpha	=	-0.223	(0.006)	-----						