

^{97}Sr $Z = 38$ $N = 59$ adopted link ENSDF link

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

BE = 821.769 (0.003) MeV

Qbeta- = 7.535 (0.008) MeV

	Energy T	J+	J-	J-other	T1/2
97SR 1	0.000	1/2+			1 429 MS 5
97SR 2	0.167	3/2+			2 0.22 NS 4
97SR 3	0.308	7/2+			3 169 NS 9
97SR 4				0.312	4 4 NS LT
97SR 5				0.522	5 3/2+,5/2+
97SR 6				0.585	6 8 PS LE (3/2)+
97SR 7				0.600	7 11 PS LE 3/2+,5/2+
97SR 8				0.645	8 7.2 NS 10 (3/2)-
97SR 9	0.687	5/2+			9 0.364 NS 20
97SR 10				0.714	10 1.27 NS 19 (5/2)-
97SR 11				0.755	11
97SR 12				0.769	12
97SR 13			0.771	7/2-	13
97SR 14				0.822	14 0.21 NS 3 (7/2)+
97SR 15				0.831	15 395 NS 132 (9/2+)
97SR 16				0.916	16
97SR 17				0.947	17 (9/2-)
97SR 18				0.985	18 6 PS LE (3/2+,5/2+)
97SR 19	0.992	9/2+			19
97SR 20			0.995	11/2-	20
97SR 21				1.037	21 (11/2+)
97SR 22				1.095	22 (3/2+,5/2)
97SR 23				1.198	23 (11/2)+
97SR 24				1.276	24 (13/2+)
97SR 25				1.278	25
97SR 26				1.321	26 7 PS LE
97SR 27				1.343	27 (13/2-)
97SR 28				1.375	28 6 PS LE
97SR 29			1.384	15/2-	29
97SR 30	1.435	13/2+			30
97SR 31				1.507	31 (1/2+,3/2,5/2+)
97SR 32				1.549	32 (15/2+)
97SR 33				1.708	33 (15/2)+
97SR 34				1.853	34 (17/2+)
97SR 35				1.904	35 (17/2-)
97SR 36			1.906	19/2-	36
97SR 37	2.010	17/2+			37

97SR 38				2.188	(19/2+)	38
97SR 39				2.346	(19/2+)	39
97SR 40				2.554	(21/2+)	40

97SR 41		2.560	23/2-			41
97SR 42				2.641	(21/2-)	42
97SR 43				2.712	(21/2+)	43
97SR 44				2.855		44
97SR 45				2.948	(23/2+)	45
97SR 46				3.103	(23/2+)	46
97SR 47				3.334	(27/2-)	47
97SR 48				3.533	(25/2+)	48
S-n	=	3.734	(0.009)	-----		
97SR 49				3.976	(27/2+)	49
97SR 50				4.220	(31/2-)	50

97SR 51				4.468	(29/2+)	51
97SR 52				4.956	(31/2+)	52
97SR 53				5.211	(35/2-)	53
97SR 54				6.306	(39/2-)	54

S-p = 14.515 (0.005)-----
S-n = 3.734 (0.009)-----
S-2p = 27.000 (0.019)-----
S-2n = 9.606 (0.007)-----
S-alpha= 6.870 (0.004)-----

S+p = -10.997 (0.009)
S+n = -5.913 (0.005)
S+2p = -23.614 (0.011)
S+2n = -10.081 (0.006)
S+alpha = -7.005 (0.009)

gap p = 3.518 (0.010)
gap n = -2.179 (0.010)
gap 2p = 3.386 (0.022)
gap 2n = -0.475 (0.009)
gap alpha = -0.136 (0.010)