

^{90}Sr $Z = 38$ $N = 52$ adopted link ENSDF link

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

BE = 782.640 (0.001) MeV

Qbeta- = 0.546 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
90SR 1	0.000	0+			1 28.91 Y 3
90SR 2	0.832	2+			2 7 PS 2
90SR 3	1.656	4+			3 12 PS 2
90SR 4	1.892	2+			4 2 PS 1
90SR 5				2.207 (3-)	5 1 PS LE
90SR 6				2.497 (2+)	6 3 PS LE
90SR 7				2.528 3-,4+	7 6 PS LE
90SR 8				2.571	8 10 PS 7
90SR 9	2.586	2+			9
90SR 10				2.674 (0+)	10
90SR 11				2.928 4	11
90SR 12	2.971	0+			12
90SR 13				3.033	13 1 PS LE
90SR 14				3.039 1	14
90SR 15				3.144 (5-)	15
90SR 16				3.269 3-,4+	16
90SR 17				3.383	17
90SR 18				3.394	18
90SR 19				3.450 3	19 4 PS LE
90SR 20				3.468 (5-)	20
90SR 21				3.479 3-,4+	21
90SR 22				3.495 6(+)	22
90SR 23				3.508 (5-)	23
90SR 24				3.556	24
90SR 25				3.584	25
90SR 26				3.594 3-,4+	26
90SR 27				3.627	27
90SR 28				3.699 (7-)	28
90SR 29				3.720 GE 6	29
90SR 30				3.742 6	30
90SR 31				3.764 (6+)	31
90SR 32				3.784 (5-)	32
90SR 33	3.804	2+			33
90SR 34				3.845	34
90SR 35				3.915	35
90SR 36				3.954	36
90SR 37				4.019	37

90SR 38				4.037		38
90SR 39				4.037		39
90SR 40				4.043	3-,4+	40

90SR 41				4.066	(7-)	41
90SR 42				4.073	3-,4+	42
90SR 43				4.136	(1,2+)	43
90SR 44				4.138		44
90SR 45				4.149		45
90SR 46		4.240	2+			46
90SR 47				4.288	3-,4+	47
90SR 48				4.335		48
90SR 49				4.366		49
90SR 50				4.405		50

90SR 51				4.431		51
90SR 52				4.493		52
90SR 53				4.522		53
90SR 54				4.581		54
90SR 55				4.646		55
90SR 56				4.660		56
90SR 57				4.686		57
90SR 58				4.742	3-,4+	58
90SR 59				4.749	8	59
90SR 60				4.774	3-,4+	60

90SR 61				4.790	(1,2+)	61
90SR 62				4.804		62
90SR 63				4.805		63
90SR 64				4.809		64
90SR 65		4.824	2+			65
90SR 66				4.854		66
90SR 67				4.882	8	67
90SR 68				4.919		68
90SR 69				4.948	(2+)	69
90SR 70				4.974		70

90SR 71				5.022	(9-)	71
90SR 72				5.025		72
90SR 73				5.027		73
90SR 74				5.041		74
90SR 75				5.041		75
90SR 76				5.056	(8+)	76
90SR 77				5.089		77
90SR 78				5.095	3-,4+	78

S-alpha=	5.110	(0.001)	-----			
90SR 79				5.142		79
90SR 80				5.188	(1-,2+)	80

90SR 81				5.239		81

90SR 82			5.254		82
90SR 83			5.286		83
90SR 84			5.298	(9-)	84
90SR 85			5.333		85
90SR 86			5.343		86
90SR 87			5.427		87
90SR 88			5.431		88
90SR 89			5.558		89
90SR 90			5.592	10	90

90SR 91			5.600		91
90SR 92			5.623		92
90SR 93			5.785		93
90SR 94			5.822		94
90SR 95			5.828		95
90SR 96			5.924	(10+)	96
90SR 97			5.961	(11-)	97
90SR 98			6.712	12	98
90SR 99			6.795	(12+)	99
90SR 100			7.371	13	100

90SR 101			7.706		101

S-n	=	7.813	(0.001)	-----	
90SR 102			7.960		102
90SR 103			8.772		103
90SR 104			9.061		104
90SR 105			9.200		105
90SR 106			9.958		106

S-p	=	11.528	(0.006)	-----	
S-n	=	7.813	(0.001)	-----	
S-2p	=	20.838	(0.003)	-----	
S-2n	=	14.172	(0.001)	-----	
S-alpha	=	5.110	(0.001)	-----	

S+p	=	-7.689	(0.002)		
S+n	=	-5.772	(0.006)		
S+2p	=	-17.086	(0.001)		
S+2n	=	-13.059	(0.004)		
S+alpha	=	-3.743	(0.001)		

gap p	=	3.838	(0.006)		
gap n	=	2.041	(0.006)		
gap 2p	=	3.752	(0.003)		
gap 2n	=	1.113	(0.004)		
gap alpha	=	1.367	(0.002)		