

^{79}Sr $Z = 38$ $N = 41$ adopted link ENSDF link

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

BE = 673.385 (0.007) MeV

Qbeta+ = 5.323 (0.008) MeV

	Energy T	J+	J-	J-other	T1/2
79SR 1				0.000 3/2(-)	1 2.25 M 10
79SR 2				0.159 (5/2-)	2 46 PS 6
79SR 3				0.177 (5/2+)	3 21 NS 1
79SR 4				0.330 (7/2+)	4 107 PS 6
79SR 5				0.375 (1/2+)	5
79SR 6				0.381 7/2(-)	6 11.8 PS 21
79SR 7				0.443 (3/2+)	7
79SR 8				0.499 (9/2+)	8 30.5 PS 35
79SR 9				0.597 (5/2+)	9
79SR 10				0.649 (9/2-)	10 3.1 PS 5
79SR 11				0.750 (7/2+)	11
79SR 12				0.914 (11/2+)	12 1.80 PS 21
79SR 13				0.982 (11/2-)	13 1.03 PS 14
79SR 14				1.032 (9/2+)	14
79SR 15				1.179 (13/2+)	15 1.20 PS 21
79SR 16				1.265 (11/2+)	16
79SR 17				1.283	17
79SR 18				1.339 (13/2-)	18 0.81 PS 15
79SR 19				1.676 (13/2+)	19 1.13 PS +37-22
79SR 20				1.730 (15/2+)	20 0.32 PS +18-10
79SR 21				1.774 (15/2-)	21 0.43 PS +10-8
79SR 22				1.980 (15/2+)	22 0.65 PS +17-10
79SR 23				2.065 (17/2+)	23 0.33 PS 4
79SR 24				2.203 (17/2-)	24 0.284 PS 21
79SR 25				2.506 (17/2+)	25 0.27 PS 4
79SR 26				2.729 (19/2-)	26 0.215 PS 35
79SR 27				2.729 (19/2+)	27 0.159 PS +14-21
79SR 28				2.888 (19/2+)	28 0.139 PS +21-14
79SR 29				3.129 (21/2+)	29 0.159 PS 21
79SR 30				3.215 (21/2-)	30 0.166 PS 14
79SR 31				3.508 (21/2+)	31 0.152 PS 28
S-alpha=	3.581 (0.011)				
79SR 32				3.832 (23/2-)	32 0.118 PS +14-21
79SR 33				3.874 (23/2+)	33 0.125 PS 28
79SR 34				3.977 (23/2+)	34 0.076 PS 35
79SR 35				4.304 (25/2+)	35 0.229 PS 21
79SR 36				4.368 (25/2-)	36 0.104 PS 21

79SR 37				4.667	(25/2+)	37	0.111	PS	14
79SR 38				5.086	(27/2-)	38	0.132	PS	28
79SR 39				5.121	(27/2+)	39	0.06	PS	+11-4
79SR 40				5.241	(27/2+)	40	0.083	PS	28

79SR 41				5.480	(29/2+)	41	0.228	PS	21
79SR 42				5.671	(29/2-)	42	0.076	PS	28
S-p	=	5.833	(0.008)	-----					
79SR 43				5.975	(29/2+)	43			
79SR 44				6.469	(31/2+)	44	0.06	PS	+6-3
79SR 45				6.500	(31/2-)	45			
79SR 46				6.677	(31/2+)	46	0.049	PS	28
79SR 47				6.734	(33/2+)	47	0.069	PS	35
79SR 48				7.139	(33/2-)	48	0.090	PS	28
79SR 49				7.433	(33/2+)	49			
79SR 50				7.994	(35/2+)	50	0.028	PS	+28-21

79SR 51				8.087	(35/2-)	51			
79SR 52				8.175	(37/2+)	52	0.076	PS	28
79SR 53				8.258	(35/2+)	53			
79SR 54				8.738	(37/2-)	54			
79SR 55				9.026	(37/2+)	55			
79SR 56				9.689	(39/2+)	56			
79SR 57				9.812	(41/2+)	57			

S-p = 5.833 (0.008)-----
S-n = 10.377 (0.011)-----
S-2p = 9.888 (0.008)-----
S-2n = 23.819 (0.011)-----
S-alpha= 3.581 (0.011)-----

S+p = -2.958 (0.010)
S+n = -12.903 (0.008)
S+2p = -6.623 (0.093)
S+2n = -22.191 (0.008)
S+alpha = -2.857 (0.010)

gap p = 2.876 (0.013)
gap n = -2.526 (0.013)
gap 2p = 3.265 (0.093)
gap 2n = 1.628 (0.014)
gap alpha = 0.724 (0.015)