

$^{85}\text{Sr}$        $Z = 38$        $N = 47$       adopted link      ENSDF link

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

BE = 737.436 ( 0.003) MeV

Qbeta+ = 1.064 ( 0.003) MeV

	Energy T	J+	J-	J-other	T1/2
85SR 1	0.000	9/2+			1 64.849 D 7
85SR 2	0.232	7/2+			2 0.21 NS 5
85SR 3			0.239 1/2-		3 67.63 M 4
85SR 4			0.743 3/2-		4 0.12 PS 8
85SR 5	0.767	5/2+			5 7 PS GT
85SR 6				0.786 (5/2-)	6
85SR 7			0.937 5/2-		7
85SR 8				1.110 (9/2+)	8
85SR 9	1.111	13/2+			9 2.56 PS 21
85SR 10			1.153 3/2-		10 0.13 PS 4
85SR 11				1.221 (11/2)+	11 0.73 PS 17
85SR 12	1.262	9/2+			12 0.60 PS 16
85SR 13	1.355	5/2+			13 0.13 PS GE
85SR 14	1.403	1/2+			14
85SR 15				1.405 (5/2-, 7/2-)	15
85SR 16				1.453 (5/2-, 7/2, 9/2-)	16
85SR 17				1.486 (3/2+)	17
85SR 18				1.517 (1/2, 3/2)	18
85SR 19				1.555 (5/2+, 7/2)	19 0.11 PS GE
85SR 20				1.559 (1/2, 3/2)	20
85SR 21				1.589 (7/2, 9/2+)	21
85SR 22				1.627 (9/2)+	22 0.23 PS 6
85SR 23				1.649 1/2-, 3/2-	23 0.2 PS +3-1
85SR 24	1.658	11/2+			24 0.8 PS 5
85SR 25				1.684	25
85SR 26				1.701 (5/2-, 7/2, 9/2-)	26
85SR 27				1.712	27
85SR 28				1.790 (9/2+)	28
85SR 29				1.793 3/2+, 5/2+	29
85SR 30				1.794 (5/2-, 7/2, 9/2+)	30
85SR 31				1.827 3/2+, 5/2+	31
85SR 32	1.842	1/2+			32
85SR 33	1.850	13/2+			33 1.7 PS 4
85SR 34				1.920 (7/2, 9/2, 11/2+)	34
85SR 35				1.928 3/2+, 5/2+	35
85SR 36				1.954 1/2-, 3/2-	36
85SR 37				1.982 (7/2+, 9/2+)	37

85SR 38						2.047	(9/2+)	38		
85SR 39						2.047	(3/2+,5/2+)	39		
85SR 40						2.086	(7/2+,9/2,11/2+)	40		
-----										
85SR 41				2.102		13/2-		41		
85SR 42						2.124	(7/2)+	42		
85SR 43						2.141	5/2-,7/2-	43		
85SR 44						2.166	(7/2+,9/2+)	44		
85SR 45						2.172	(7/2)+	45		
85SR 46						2.204		46		
85SR 47						2.238	(5/2+)	47		
85SR 48						2.290	(-)	48		
85SR 49						2.325	(5/2)+	49		
85SR 50						2.352	(7/2)+	50		
-----										
85SR 51						2.367	(17/2)-	51	1.2 NS	4
85SR 52						2.378	(3/2+,5/2+)	52		
85SR 53						2.400	(17/2)+	53	2.25 PS	21
85SR 54						2.406	(+)	54		
85SR 55						2.458	(+)	55		
85SR 56						2.471	(7/2,9/2,11/2+)	56		
85SR 57		2.496		1/2+				57		
85SR 58						2.501	3/2+,5/2+	58		
85SR 59						2.526	(15/2)+	59	0.139 PS	35
85SR 60						2.527	3/2+,5/2+	60		
-----										
85SR 61						2.560	(-)	61		
85SR 62		2.602		1/2+				62		
85SR 63						2.628	(3/2+,5/2+)	63		
85SR 64						2.642	(7/2,9/2-)	64		
85SR 65						2.661	(15/2)-	65	0.42 PS	14
85SR 66						2.696		66		
85SR 67						2.718	(7/2,9/2,11/2+)	67		
85SR 68		2.748		1/2+				68		
85SR 69						2.768	(7/2,9/2,11/2+)	69		
85SR 70						2.782	(7/2+,9/2+)	70		
-----										
85SR 71						2.810	(7/2,9/2+)	71		
85SR 72						2.814	(7/2,9/2,11/2+)	72		
85SR 73						2.840	(17/2)+	73		
85SR 74						2.850	(9/2+)	74		
85SR 75						2.861	(17/2)-	75	0.83 PS	35
85SR 76		2.882		1/2+				76		
85SR 77						2.952	(3/2+,5/2+)	77		
85SR 78						2.975	(7/2,9/2-)	78		
85SR 79						2.980	(7/2,9/2)	79		
85SR 80						2.991	(7/2,9/2-)	80		
-----										
85SR 81						3.018	(7/2,9/2,11/2+)	81		
85SR 82						3.028	(19/2)-	82	1.9 PS	4

85SR 83				3.031	(7/2,9/2-)	83		
85SR 84				3.048		84		
85SR 85				3.063	(7/2,9/2,11/2)	85		
85SR 86				3.072	(17/2)+	86		
85SR 87				3.075	(7/2,9/2-)	87		
85SR 88				3.080	(21/2)+	88	51 PS	7
85SR 89				3.089	(7/2,9/2,11/2+)	89		
85SR 90				3.105		90		
-----								
85SR 91				3.129	(7/2,9/2,11/2+)	91		
85SR 92				3.136	(1/2+)	92		
85SR 93				3.169		93		
85SR 94				3.227	(21/2)-	94	2.8 PS	GT
85SR 95	3.301	1/2+				95		
85SR 96				3.336		96		
85SR 97				3.380	(3/2+,5/2+)	97		
85SR 98				3.384	(19/2)+	98	6.2 PS	14
85SR 99				3.397	(21/2)-	99	2.27 PS	21
85SR 100				3.408		100		
-----								
85SR 101				3.426		101		
85SR 102	3.455	1/2+				102		
85SR 103				3.503		103		
85SR 104				3.510		104		
85SR 105				3.511	(21/2)+	105		
85SR 106				3.532	3/2+,5/2+	106		
85SR 107				3.563	(1/2+)	107		
85SR 108	3.582	1/2+				108		
85SR 109				3.598		109		
85SR 110				3.645		110		
-----								
85SR 111				3.672		111		
85SR 112				3.966	(23/2)+	112	0.55 PS	21
85SR 113				3.971	(21/2-)	113		
85SR 114				4.104	(23/2-)	114	0.21 PS	7
85SR 115				4.361	(23/2)-	115	1.6 PS	7
85SR 116				4.491	(25/2)+	116	0.45 PS	17
85SR 117				4.780	(21/2+)	117		
85SR 118				4.793	(25/2)-	118		
85SR 119				4.845	(25/2)+	119		
85SR 120				4.969	(23/2+)	120		
-----								
85SR 121				5.007	(25/2-)	121		
85SR 122				5.036	(25/2)+	122		
85SR 123				5.071	(25/2-)	123	0.9 PS	4
85SR 124				5.091	(27/2)+	124	0.17 PS	6
85SR 125				5.181	(25/2)+	125		
85SR 126				5.423	(27/2)+	126		
85SR 127				5.699	(27/2)-	127		
85SR 128				5.703	(27/2)	128		

85SR 129				5.750	(29/2)+	129
S-alpha= 5.832 ( 0.003)-----						
85SR 130				5.939	(29/2)-	130
-----						
85SR 131				6.008	(29/2+)	131
85SR 132				6.203	(29/2)	132
85SR 133				6.361	(31/2+)	133
85SR 134				6.467	(31/2+)	134
85SR 135				6.626	(31/2)-	135
85SR 136				7.222	(33/2)-	136
85SR 137				7.555	(35/2)-	137
S-n = 8.525 ( 0.003)-----						
85SR 138		8.525	1/2+			138
85SR 139				8.525		139
85SR 140				8.526		140
-----						
85SR 141		8.526	1/2+			141
85SR 142		8.526	1/2+			142
85SR 143		8.527	1/2+			143
85SR 144		8.527	1/2+			144
85SR 145		8.527	1/2+			145
85SR 146		8.528	1/2+			146
85SR 147		8.528	1/2+			147
85SR 148		8.529	1/2+			148
85SR 149		8.529	1/2+			149
S-p = 8.633 ( 0.004)-----						
S-n = 8.525 ( 0.003)-----						
S-2p = 15.691 ( 0.003)-----						
S-2n = 20.448 ( 0.007)-----						
S-alpha= 5.832 ( 0.003)-----						
S+p	=	-5.469	( 0.014)			
S+n	=	-11.491	( 0.003)			
S+2p	=	-12.822	( 0.005)			
S+2n	=	-19.919	( 0.003)			
S+alpha	=	-6.200	( 0.004)			
gap p	=	3.165	( 0.015)			
gap n	=	-2.966	( 0.004)			
gap 2p	=	2.869	( 0.006)			
gap 2n	=	0.529	( 0.008)			
gap alpha	=	-0.368	( 0.005)			