

^{35}S $Z = 16$ $N = 19$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 298.825 (0.000) MeV

Qbeta- = 0.167 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
35S 1	0.000	3/2+			1 87.37 D 4
35S 2	1.572	1/2+			2 2.3 PS 4
35S 3			1.991 7/2-		3 1.02 NS 5
35S 4			2.348 3/2-		4 0.81 PS 14
35S 5	2.717	5/2+			5 69 FS 24
35S 6	2.939	3/2+			6
35S 7	3.421	5/2+			7 70 FS LT
35S 8				3.558 (3/2-,5/2	8
35S 9				3.595 (1/2:7/2)	9
35S 10				3.675 (1/2-,3/2	10
35S 11			3.802 3/2-		11 25 FS 18
35S 12				3.818 (3/2:9/2)	12
35S 13				3.866	13
35S 14				3.885 (3/2-,5/2	14
35S 15				3.891 (3/2-,5/2	15
35S 16				4.022 (3/2-:11/	16
35S 17				4.026 (1/2:5/2)	17
35S 18				4.106 (1/2,3/2,	18 55 FS LT
35S 19				4.180 (1/2,3/2,	19
35S 20			4.189 1/2-		20 35 FS LT
35S 21				4.303 (1/2:5/2,	21
35S 22				4.478 (1/2,3/2,	22 62 FS LT
35S 23				4.576 (1/2:5/2)	23
35S 24				4.617	24
35S 25				4.839 (1/2:9/2)	25
35S 26			4.903 1/2-		26
35S 27			4.963 3/2-		27
35S 28				4.990 (1/2:5/2)	28
35S 29			5.058 7/2-		29
35S 30				5.127 (1/2:9/2)	30
35S 31				5.344 (1/2:11/2	31
35S 32				5.475	32
35S 33				5.550 (1/2:11/2	33
35S 34				5.753 (1/2:9/2-	34
35S 35				5.771 (1/2:9/2)	35
35S 36				5.841 (1/2:7/2-	36

35S	37				5.915	37
35S	38				5.980	38
35S	39				6.019 (1/2:9/2-	39
35S	40				6.078 1/2-,3/2-	40

35S	41				6.129 (1/2,3/2,	41
35S	42				6.294 (1/2:9/2-	42
35S	43				6.334	43
35S	44				6.355 (1/2:9/2-	44
35S	45				6.420 (1/2:9/2-	45
35S	46				6.446	46
35S	47				6.496	47
35S	48				6.538	48
35S	49				6.545	49
35S	50				6.584	50

35S	51				6.629 (1/2:9/2-	51
35S	52				6.635	52
35S	53				6.654	53
35S	54				6.684 (1/2:9/2)	54
35S	55				6.761 (1/2:9/2-	55
35S	56				6.891	56

S-n	=	6.986	(0.000)		
35S	57	6.986	1/2+			57
35S	58				7.019	58
35S	59				7.073	59
35S	60				7.074	60

35S	61				7.098	61
35S	62				7.100	62
35S	63				7.101 3/2	63
35S	64				7.143	64
35S	65				7.210	65
35S	66				7.218	66
35S	67				7.234	67
35S	68				7.240	68
35S	69				7.253	69
35S	70	7.276	1/2+			70

35S	71				7.279	71
35S	72				7.290	72
35S	73			7.294	3/2-	73
35S	74	7.331	1/2+			74
35S	75				7.338	75
35S	76				7.344	76
35S	77				7.347	77
35S	78				7.348	78
35S	79				7.354	79
35S	80				7.358	80

35S 81				7.371	1/2-		81
35S 82						7.375	82
35S 83						7.396	83
35S 84						7.405	84
35S 85				7.409	3/2-		85
35S 86						7.412	86
35S 87						7.417	87
35S 88						7.429	88
35S 89						7.434	89
35S 90						7.436	90

35S 91	7.442	1/2+					91
35S 92						7.462	92
35S 93				7.481	1/2-		93
35S 94						7.495	94
35S 95						7.542	95
35S 96						7.604	96
35S 97				7.609	3/2-		97
35S 98						7.649	98
35S 99						7.656	99
35S 100						7.664	100

35S 101						7.678	101
35S 102						7.712 (3/2:13/2)	102
35S 103						7.731	103
35S 104						7.750	104
35S 105				7.762	3/2-		105
35S 106				7.776	1/2-		106
35S 107	7.798	1/2+					107
35S 108	7.812	3/2+					108
35S 109				7.853	3/2-		109
35S 110						7.862	110

35S 111						7.881	111
35S 112						7.889	112
35S 113				7.895	3/2-		113
35S 114						7.900	114
35S 115						7.934	115
35S 116						7.940	116
35S 117				7.955	3/2-		117
35S 118				7.974	3/2-		118
35S 119						8.020	119
35S 120						8.041	120

35S 121						8.077	121
35S 122						8.078	122
35S 123				8.093	1/2-		123
35S 124						8.144	124
35S 125						8.160 (1/2:7/2)	125
35S 126				8.187	1/2-		126

35S 127						8.211		127
35S 128				8.224		1/2-		128
35S 129						8.229		129
35S 130						8.244		130

35S 131				8.256		3/2-		131
35S 132		8.262						132
								5/2+
35S 133						8.273		133
								1/2
35S 134						8.298		134

S-alpha=		8.322		(0.000)	-----			
35S 135				8.334		3/2-		135
35S 136						8.336		136
35S 137				8.391		3/2-		137
35S 138						8.394		138
35S 139						8.407		139
35S 140						8.419		140
								(1/2:9/2)

35S 141						9.155		141
								(1/2:9/2)

S-p = 11.586 (0.001) -----
S-n = 6.986 (0.000) -----
S-2p = 22.910 (0.001) -----
S-2n = 18.403 (0.000) -----
S-alpha= 8.322 (0.000) -----

S+p = -7.965 (0.000)
S+n = -9.889 (0.000)
S+2p = -16.679 (0.000)
S+2n = -14.193 (0.000)
S+alpha = -6.821 (0.005)

gap p = 3.622 (0.001)
gap n = -2.903 (0.000)
gap 2p = 6.230 (0.001)
gap 2n = 4.210 (0.000)
gap alpha = 1.501 (0.005)