

^{35}S $Z = 16$ $N = 19$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

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-:11/2-)	16
35S 17				4.026 (1/2:5/2)+	17
35S 18				4.106 (1/2,3/2,5/2)+	18 55 FS LT
35S 19				4.180 (1/2,3/2,5/2+)	19
35S 20			4.189	1/2-	20 35 FS LT
35S 21				4.303 (1/2:5/2,7/2-)	21
35S 22				4.478 (1/2,3/2,5/2)+	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	(1/2,3/2,5/2)+	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	5/2+					132
35S 133							8.273	133
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	(1/2:9/2)+

35S 141							9.155	5/2 (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)					