

$^{34}\text{S}$        $Z = 16$        $N = 18$       adopted link      ENSDF link

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

BE = 291.839 ( 0.000) MeV

	Energy T	J+	J-	J-other	T1/2
34S 1	0.000	0+			1 STABLE
34S 2	2.128	2+			2 318 FS 8
34S 3	3.304	2+			3 136 FS 7
34S 4	3.916	0+			4 1.12 PS 9
34S 5	4.075	1+			5 17 FS LT
34S 6	4.115	2+			6 73 FS 6
34S 7			4.624 3-		7 84 FS 5
34S 8	4.689	4+			8 88 FS 4
34S 9	4.877	3+			9 40 FS 15
34S 10	4.882	4+			10
34S 11	4.890	2+			11 29 FS 10
34S 12	5.228	0+			12
34S 13				5.323 2(-)	13 17 FS 6
34S 14	5.381	1+			14 49 FS LT
34S 15			5.680 3-		15
34S 16			5.691 5-		16 36.9 PS 15
34S 17			5.756 1-		17
34S 18	5.848	0+			18
34S 19	5.998	2+			19
34S 20	6.121	2+			20
34S 21			6.169 3-		21
34S 22	6.251	4+			22 0.42 PS +49-21
34S 23			6.252 4-		23
34S 24			6.343 1-		24
34S 25			6.421 4-		25
34S 26				6.428 (2+)	26
34S 27			6.479 1-		27
34S 28				6.535	28
34S 29				6.639 4(-)	29 42 FS 10
34S 30				6.685 (0:3)-	30
34S 31				6.731 2(+),4(+)	31
34S 32	6.829	2+			32
34S 33				6.848 (1,2+)	33
34S 34			6.864 5-		34 27 FS 7
34S 35				6.890 (3,4)+	35 14 FS LT
34S 36				6.954 (2)-	36
34S 37			7.110 3-		37
34S 38	7.112	2+			38

34S	39					7.164	(0:3)+	39		
34S	40					7.219	(2+)	40		
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34S	41					7.248	(4)	41	14 FS	7
34S	42					7.248	(2+,3-)	42		
34S	43					7.264		43		
34S	44					7.367	(1+,2+)	44		
34S	45			7.388	3-			45		
34S	46					7.392	5,(4)	46	159 FS	35
34S	47					7.468	(0+,1,2)	47		
34S	48					7.553	(1,2,3-)	48		
34S	49			7.630	3-			49	14 FS	7
34S	50					7.655	(-)	50		
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34S	51					7.731	(1-,2-,3-)	51		
34S	52	7.750	2+					52		
34S	53					7.781	(1)-	53		
34S	54			7.791	6-			54	97 FS	20
34S	55	7.805	2+					55		
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S-alpha= 7.924 ( 0.000)-----										
34S	56					7.975	(1,2+)	56		
34S	57	8.025	0+					57		
34S	58					8.036	(1-,2+)	58		
34S	59					8.083	5	59	44 FS	7
34S	60					8.138	(1)-	60		
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34S	61					8.175	(1,2+)	61		
34S	62					8.185	(1)+	62		
34S	63					8.205	(1-:4+)	63		
34S	64	8.255	2+					64		
34S	65					8.293	4	65	28 FS	LT
34S	66					8.294	(0+:3-)	66		
34S	67			8.371	7-			67	83 FS	13
34S	68			8.385	1-			68		
34S	69	8.423	4+					69		
34S	70	8.504	6+					70	28 FS	7
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34S	71			8.507	1-			71		
34S	72					8.580		72		
34S	73					8.616	(2-,3+)	73		
34S	74					8.656	(1)+	74		
34S	75					8.671		75		
34S	76					8.702	(1-,2)	76		
34S	77					8.718		77		
34S	78					8.728	(1-,2+)	78		
34S	79					8.735	6(-)	79		
34S	80					8.792		80		
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34S	81					8.806	(1,2+)	81		
34S	82					8.874	(1-,2,3+)	82		

34S	83				8.953		83
34S	84				8.971	6(-)	84
34S	85				8.987		85
34S	86				9.026	(1,2+)	86
34S	87				9.120		87
34S	88				9.159	(1,2+)	88
34S	89				9.171		89
34S	90				9.208	(1,2+)	90
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34S	91				9.226		91
34S	92				9.347		92
34S	93				9.414	6(-)	93
34S	94				9.429		94
34S	95				9.445		95
34S	96				9.479	(1)+	96
34S	97				9.546	(1,2+)	97
34S	98				9.566		98
34S	99				9.598		99
34S	100				9.640	(1,2+)	100
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34S	101				9.666		101
34S	102				9.706	(1,2+)	102
34S	103				9.802	(1,2+)	103
34S	104				9.837		104
34S	105				9.868	(1)+	105
34S	106				9.913	7(+)	106
34S	107		9.933	1-			107
34S	108		9.981	1-			108
34S	109	10.000	1+				109

S-p = 10.883 ( 0.001)-----  
S-n = 11.417 ( 0.000)-----  
S-2p = 20.432 ( 0.000)-----  
S-2n = 20.059 ( 0.000)-----  
S-alpha= 7.924 ( 0.000)-----

S+p = -6.371 ( 0.000)  
S+n = -6.986 ( 0.000)  
S+2p = -14.878 ( 0.000)  
S+2n = -16.875 ( 0.000)  
S+alpha = -7.208 ( 0.000)

gap p = 4.512 ( 0.001)  
gap n = 4.431 ( 0.000)  
gap 2p = 5.554 ( 0.000)  
gap 2n = 3.184 ( 0.000)  
gap alpha = 0.716 ( 0.000)