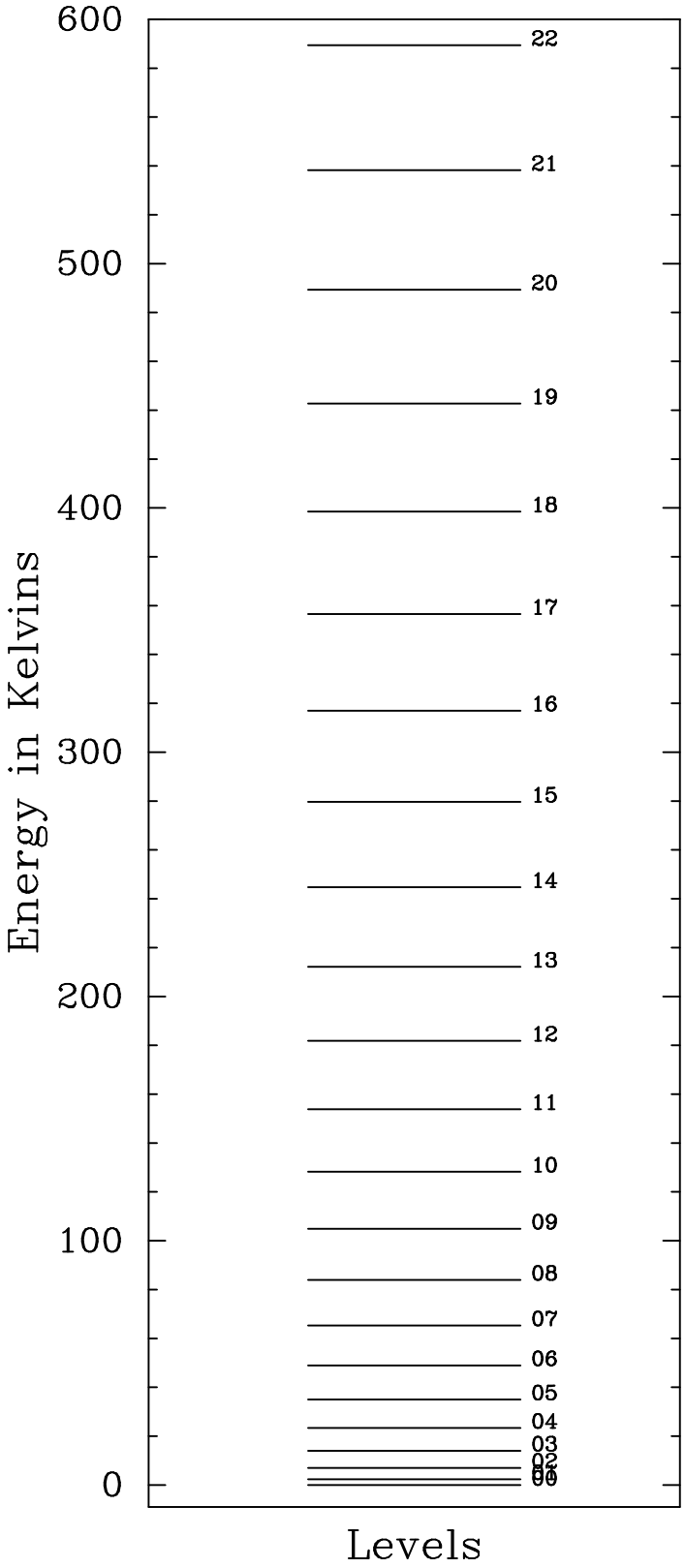
$C^{33}S$

B(rot): 24.29334 GHz De = 3.9574E−05 GHz Dipole Mom = 1.957 Debye



Quantum Numbers J K K1	Level Degeneracy	Energy Above Ground (Kelvins)
00	1.	0.00
01	3.	2.33
02	5.	7.00
03	7.	13.99
04	9.	23.32
05	11.	34.97
06	13.	48.96
07	15.	65.28
08	17.	83.93
09	19.	104.91
10	21.	128.22
11	23.	153.86
12	25.	181.83
13	27.	212.13
14	29.	244.75
15	31.	279.70
16	33.	316.98
17	35.	356.58
18	37.	398.51
19	39.	442.76

QN(up) J K K1	QN(low) J K K1	Freq (GHz)	A(U−L)	B(L−U)	Log(Tau) relative
01	00	48.587	1.70E−06	3.02E+09	−0.29
02	01	97.172	1.64E−05	2.02E+09	0.29
03	02	145.756	5.92E−05	1.81E+09	0.60
04	03	194.337	1.45E−04	1.73E+09	0.79
05	04	242.914	2.90E−04	1.68E+09	0.91
06	05	291.486	5.10E−04	1.65E+09	0.98
07	06	340.052	8.18E−04	1.63E+09	1.00
08	07	388.612	1.23E−03	1.61E+09	0.99
09	08	437.165	1.76E−03	1.60E+09	0.95
10	09	485.709	2.43E−03	1.59E+09	0.88
11	10	534.243	3.25E−03	1.58E+09	0.79
12	11	582.766	4.23E−03	1.58E+09	0.67
13	12	631.279	5.40E−03	1.57E+09	0.53
14	13	679.780	6.76E−03	1.57E+09	0.37
15	14	728.266	8.33E−03	1.56E+09	0.18
16	15	776.739	1.01E−02	1.56E+09	−0.02
17	16	825.195	1.22E−02	1.56E+09	−0.25
18	17	873.637	1.45E−02	1.55E+09	−0.49
19	18	922.062	1.70E−02	1.55E+09	−0.76
20	19	970.467	1.99E−02	1.55E+09	−1.04
21	20	1018.853	2.30E−02	1.55E+09	−1.34
22	21	1067.223	2.65E−02	1.55E+09	−1.66