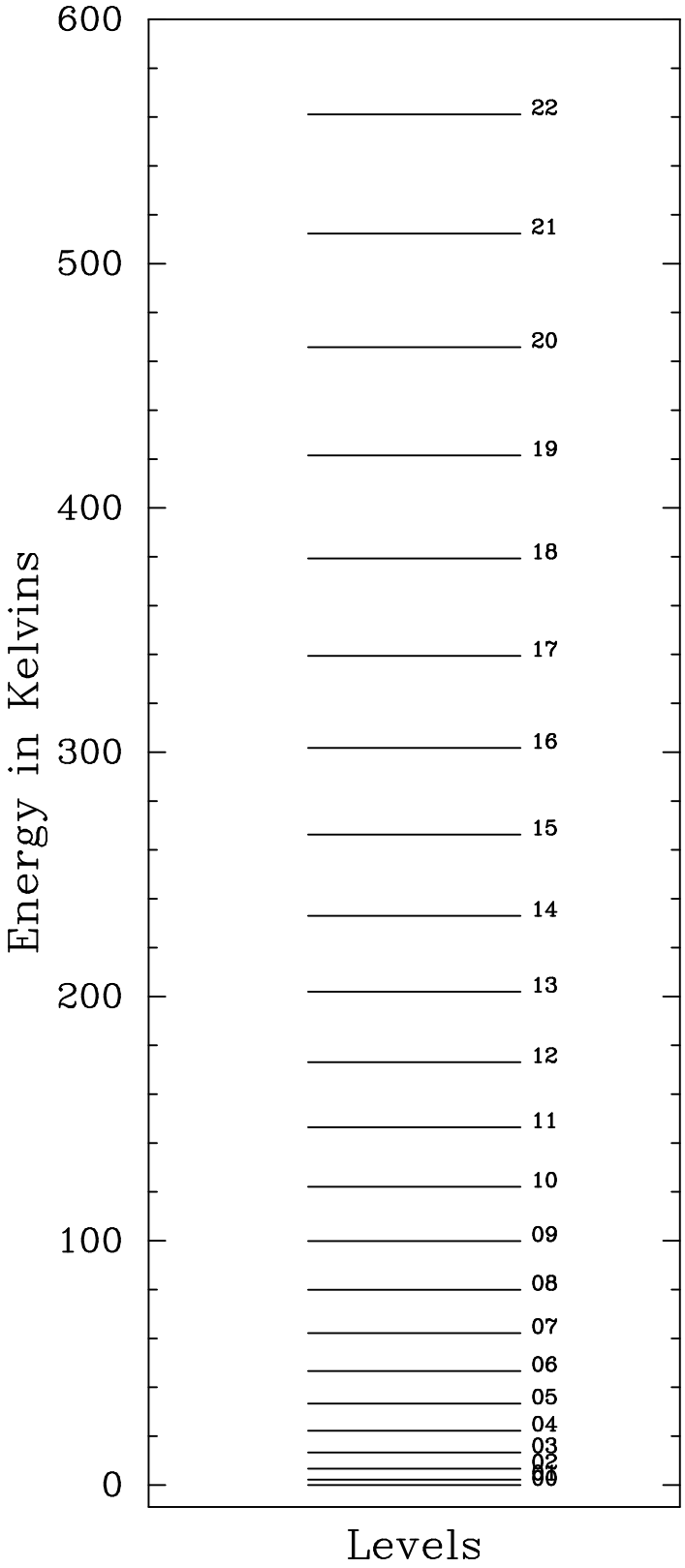
^{13}CS

B(rot): 23.12381 GHz De = 3.5849E−05 GHz Dipole Mom = 1.957 Debye



Quantum Numbers J K K1	Level Degeneracy	Energy Above Ground (Kelvins)
00	1.	0.00
01	3.	2.22
02	5.	6.66
03	7.	13.32
04	9.	22.19
05	11.	33.29
06	13.	46.61
07	15.	62.14
08	17.	79.89
09	19.	99.86
10	21.	122.05
11	23.	146.46
12	25.	173.08
13	27.	201.92
14	29.	232.97
15	31.	266.24
16	33.	301.73
17	35.	339.43
18	37.	379.34
19	39.	421.46

QN(up) J K K1	QN(low) J K K1	Freq (GHz)	A(U−L)	B(L−U)	Log(Tau) relative
01	00	46.247	1.47E−06	3.02E+09	−0.31
02	01	92.494	1.41E−05	2.02E+09	0.27
03	02	138.739	5.10E−05	1.81E+09	0.58
04	03	184.981	1.25E−04	1.73E+09	0.78
05	04	231.220	2.50E−04	1.68E+09	0.90
06	05	277.455	4.39E−04	1.65E+09	0.97
07	06	323.684	7.05E−04	1.63E+09	1.00
08	07	369.908	1.06E−03	1.61E+09	1.00
09	08	416.124	1.52E−03	1.60E+09	0.96
10	09	462.333	2.10E−03	1.59E+09	0.90
11	10	508.533	2.80E−03	1.58E+09	0.82
12	11	554.724	3.65E−03	1.58E+09	0.71
13	12	600.904	4.66E−03	1.57E+09	0.58
14	13	647.073	5.83E−03	1.57E+09	0.43
15	14	693.230	7.19E−03	1.56E+09	0.25
16	15	739.375	8.74E−03	1.56E+09	0.06
17	16	785.505	1.05E−02	1.56E+09	−0.15
18	17	831.621	1.25E−02	1.55E+09	−0.38
19	18	877.721	1.47E−02	1.55E+09	−0.63
20	19	923.805	1.71E−02	1.55E+09	−0.90
21	20	969.873	1.99E−02	1.55E+09	−1.18
22	21	1015.920	2.29E−02	1.55E+09	−1.49