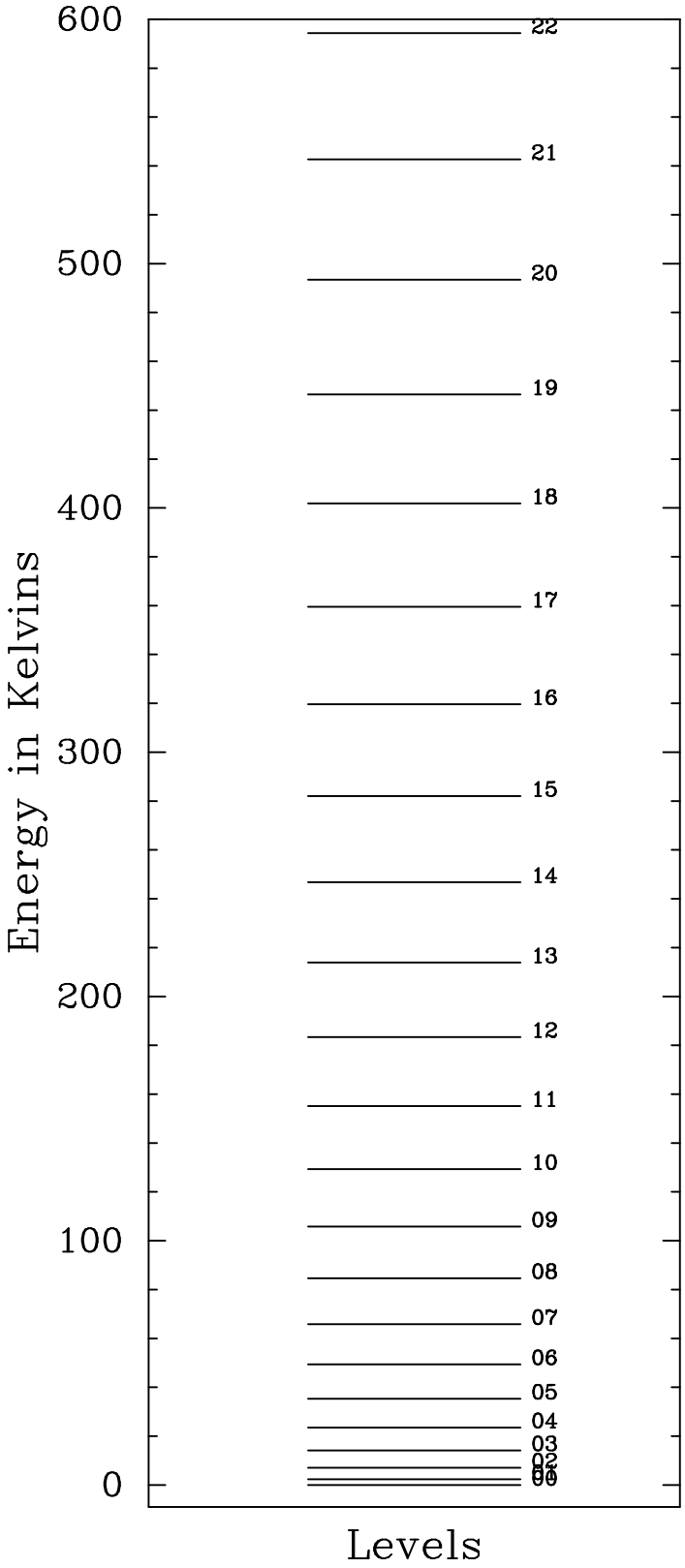
CS

B(rot): 24.49562 GHz De = 4.0237E−05 GHz Dipole Mom = 1.957 Debye



Quantum Numbers J K K1	Level Degeneracy	Energy Above Ground (Kelvins)
00	1.	0.00
01	3.	2.35
02	5.	7.05
03	7.	14.11
04	9.	23.51
05	11.	35.27
06	13.	49.37
07	15.	65.83
08	17.	84.63
09	19.	105.79
10	21.	129.29
11	23.	155.14
12	25.	183.35
13	27.	213.89
14	29.	246.79
15	31.	282.03
16	33.	319.62
17	35.	359.55
18	37.	401.83
19	39.	446.45

QN(up) J K K1	QN(low) J K K1	Freq (GHz)	A(U−L)	B(L−U)	Log(Tau) relative
01	00	48.991	1.75E−06	3.02E+09	−0.28
02	01	97.981	1.68E−05	2.02E+09	0.29
03	02	146.969	6.06E−05	1.81E+09	0.60
04	03	195.955	1.49E−04	1.73E+09	0.79
05	04	244.936	2.98E−04	1.68E+09	0.91
06	05	293.913	5.22E−04	1.65E+09	0.98
07	06	342.883	8.39E−04	1.63E+09	1.00
08	07	391.848	1.26E−03	1.61E+09	0.99
09	08	440.804	1.81E−03	1.60E+09	0.95
10	09	489.751	2.49E−03	1.59E+09	0.88
11	10	538.690	3.33E−03	1.58E+09	0.78
12	11	587.617	4.34E−03	1.58E+09	0.66
13	12	636.532	5.54E−03	1.57E+09	0.52
14	13	685.436	6.93E−03	1.57E+09	0.36
15	14	734.325	8.54E−03	1.56E+09	0.17
16	15	783.201	1.04E−02	1.56E+09	−0.04
17	16	832.060	1.25E−02	1.56E+09	−0.26
18	17	880.904	1.48E−02	1.55E+09	−0.51
19	18	929.730	1.75E−02	1.55E+09	−0.78
20	19	978.538	2.04E−02	1.55E+09	−1.06
21	20	1027.325	2.36E−02	1.55E+09	−1.37
22	21	1076.095	2.72E−02	1.55E+09	−1.69