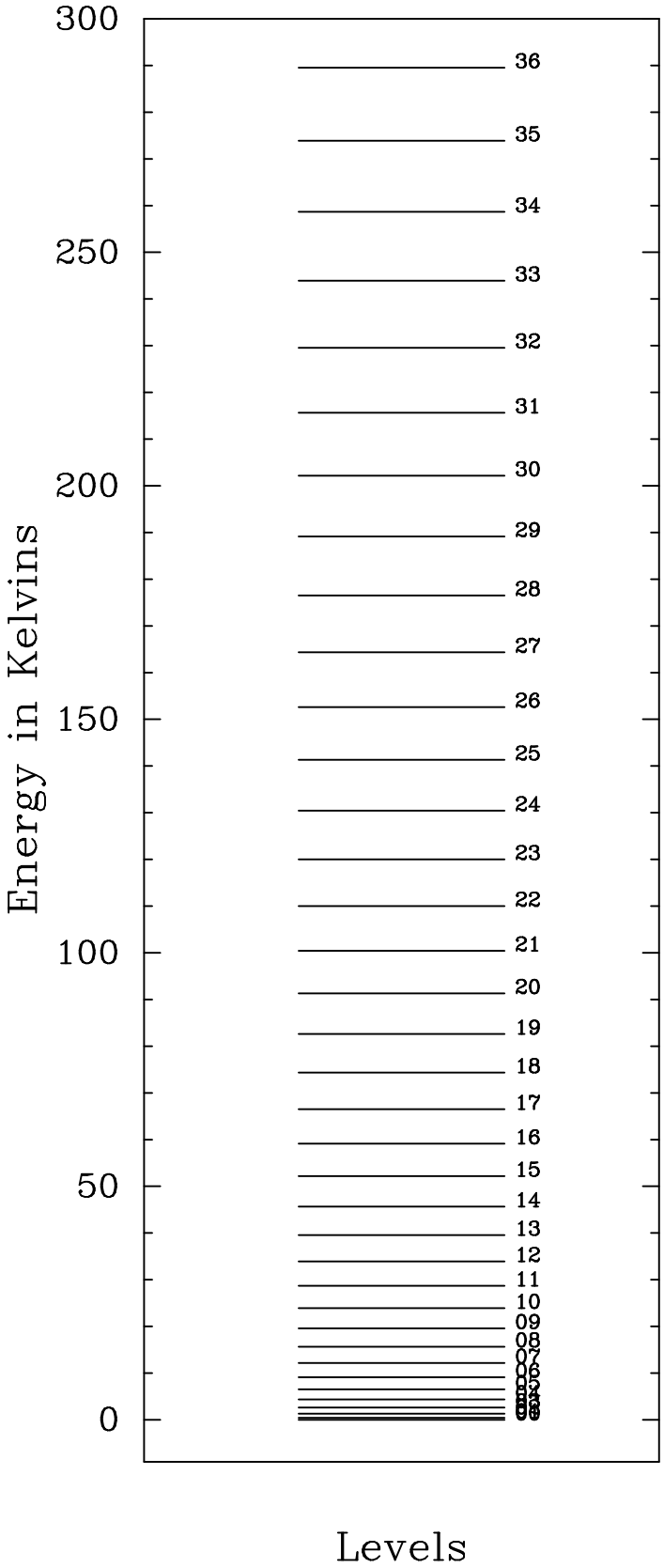
$HCC^{13}CN$

B(rot): 4.53020 GHz De = 5.4010E−07 GHz Dipole Mom = 3.724 Debye



Quantum Numbers J K K1	Level Degeneracy	Energy Above Ground (Kelvins)
00	1.	0.00
01	3.	0.43
02	5.	1.30
03	7.	2.61
04	9.	4.35
05	11.	6.52
06	13.	9.13
07	15.	12.18
08	17.	15.65
09	19.	19.57
10	21.	23.92
11	23.	28.70
12	25.	33.92
13	27.	39.57
14	29.	45.66
15	31.	52.18
16	33.	59.13
17	35.	66.53
18	37.	74.35
19	39.	82.61

QN(up) J K K1	QN(low) J K K1	Freq (GHz)	A(U−L)	B(L−U)	Log(Tau) relative
01	00	9.060	4.00E−08	1.09E+10	−1.01
02	01	18.121	3.84E−07	7.30E+09	−0.41
03	02	27.181	1.39E−06	6.57E+09	−0.07
04	03	36.241	3.42E−06	6.26E+09	0.17
05	04	45.302	6.82E−06	6.08E+09	0.35
06	05	54.362	1.20E−05	5.97E+09	0.49
07	06	63.422	1.92E−05	5.89E+09	0.61
08	07	72.482	2.89E−05	5.84E+09	0.70
09	08	81.542	4.15E−05	5.80E+09	0.77
10	09	90.602	5.72E−05	5.76E+09	0.84
11	10	99.661	7.64E−05	5.73E+09	0.89
12	11	108.721	9.96E−05	5.71E+09	0.93
13	12	117.780	1.27E−04	5.69E+09	0.96
14	13	126.840	1.59E−04	5.68E+09	0.98
15	14	135.899	1.96E−04	5.66E+09	0.99
16	15	144.958	2.38E−04	5.65E+09	1.00
17	16	154.016	2.86E−04	5.64E+09	1.00
18	17	163.074	3.41E−04	5.63E+09	0.99
19	18	172.133	4.01E−04	5.62E+09	0.98
20	19	181.191	4.68E−04	5.61E+09	0.97
21	20	190.249	5.43E−04	5.61E+09	0.94
22	21	199.306	6.25E−04	5.60E+09	0.92
23	22	208.363	7.15E−04	5.60E+09	0.89
24	23	217.420	8.13E−04	5.59E+09	0.85
25	24	226.476	9.19E−04	5.59E+09	0.81
26	25	235.532	1.03E−03	5.58E+09	0.76
27	26	244.588	1.16E−03	5.58E+09	0.71
28	27	253.644	1.29E−03	5.57E+09	0.65
29	28	262.699	1.44E−03	5.57E+09	0.60