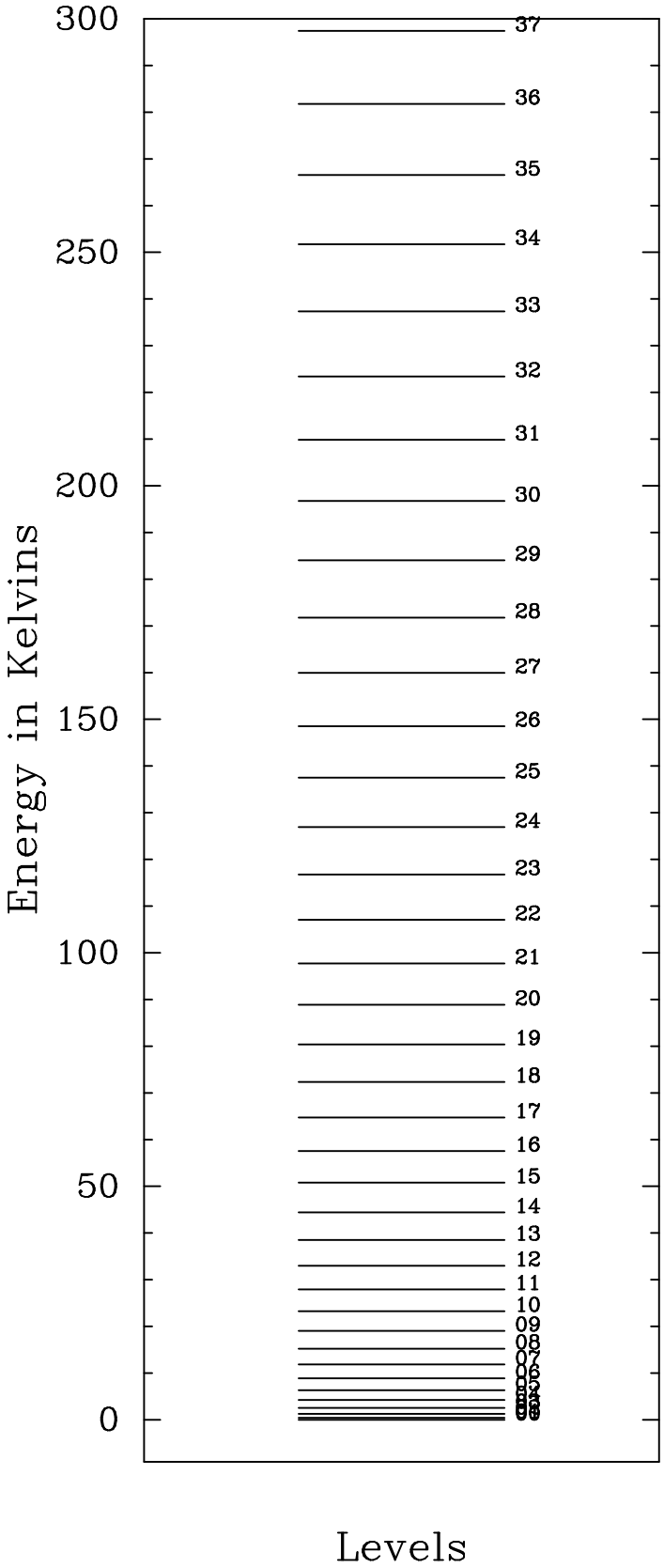
$H^{13}CCCN$

B(rot): 4.40844 GHz De = 5.0880E−07 GHz Dipole Mom = 3.724 Debye



Quantum Numbers J K K1	Level Degeneracy	Energy Above Ground (Kelvins)
00	1.	0.00
01	3.	0.42
02	5.	1.27
03	7.	2.54
04	9.	4.23
05	11.	6.35
06	13.	8.89
07	15.	11.85
08	17.	15.23
09	19.	19.04
10	21.	23.27
11	23.	27.93
12	25.	33.00
13	27.	38.50
14	29.	44.43
15	31.	50.78
16	33.	57.55
17	35.	64.74
18	37.	72.35
19	39.	80.39

QN(up) J K K1	QN(low) J K K1	Freq (GHz)	A(U−L)	B(L−U)	Log(Tau) relative
01	00	8.817	3.69E−08	1.09E+10	−1.02
02	01	17.634	3.54E−07	7.30E+09	−0.42
03	02	26.451	1.28E−06	6.57E+09	−0.08
04	03	35.267	3.15E−06	6.26E+09	0.16
05	04	44.084	6.29E−06	6.08E+09	0.34
06	05	52.901	1.10E−05	5.97E+09	0.48
07	06	61.717	1.77E−05	5.89E+09	0.60
08	07	70.534	2.67E−05	5.84E+09	0.69
09	08	79.350	3.82E−05	5.80E+09	0.77
10	09	88.167	5.27E−05	5.76E+09	0.83
11	10	96.983	7.04E−05	5.73E+09	0.88
12	11	105.799	9.18E−05	5.71E+09	0.92
13	12	114.615	1.17E−04	5.69E+09	0.95
14	13	123.431	1.47E−04	5.68E+09	0.97
15	14	132.246	1.81E−04	5.66E+09	0.99
16	15	141.062	2.20E−04	5.65E+09	1.00
17	16	149.877	2.64E−04	5.64E+09	1.00
18	17	158.692	3.14E−04	5.63E+09	1.00
19	18	167.507	3.70E−04	5.62E+09	0.99
20	19	176.321	4.32E−04	5.61E+09	0.97
21	20	185.136	5.00E−04	5.61E+09	0.95
22	21	193.950	5.76E−04	5.60E+09	0.93
23	22	202.764	6.59E−04	5.60E+09	0.90
24	23	211.577	7.49E−04	5.59E+09	0.86
25	24	220.390	8.47E−04	5.59E+09	0.82
26	25	229.203	9.54E−04	5.58E+09	0.78
27	26	238.016	1.07E−03	5.58E+09	0.73
28	27	246.828	1.19E−03	5.57E+09	0.68
29	28	255.640	1.33E−03	5.57E+09	0.62