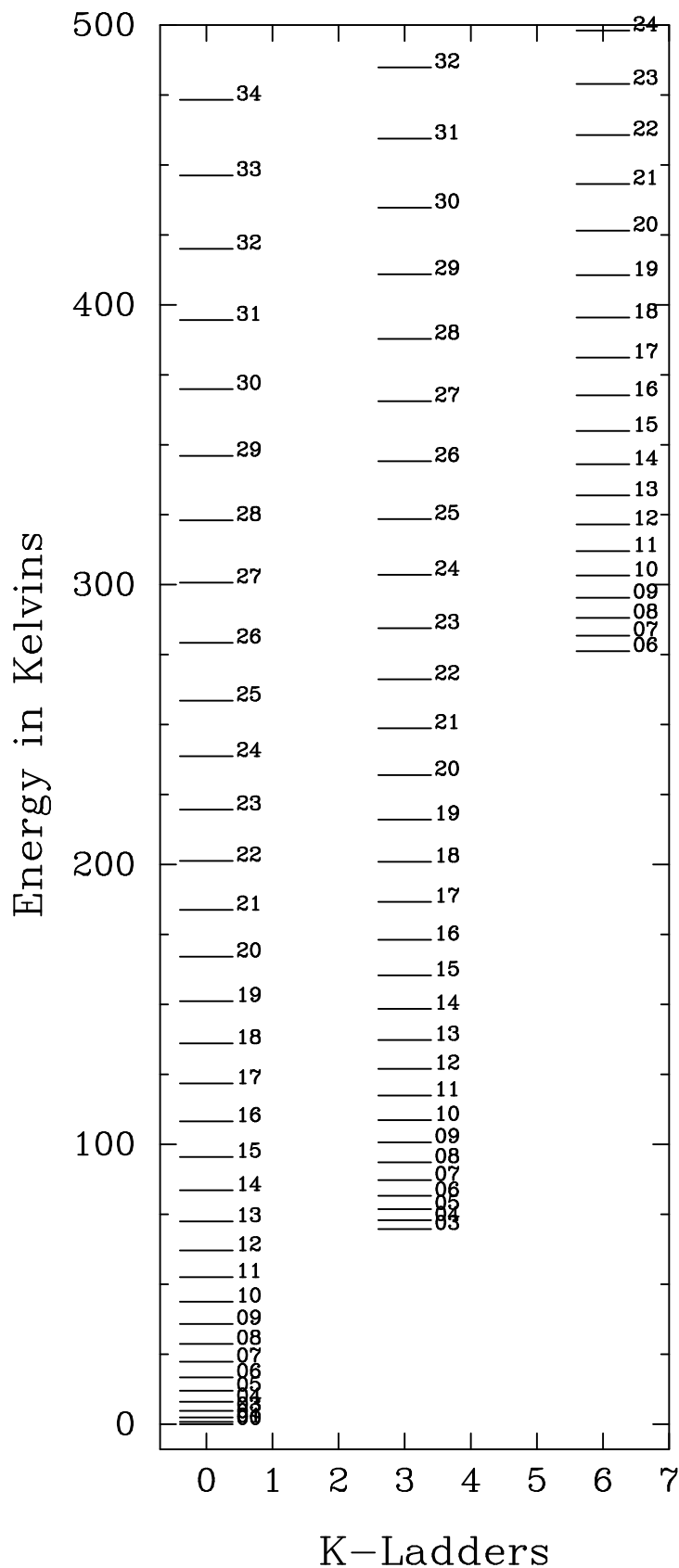


ortho-CH₃C¹³CH

B0: 8.29020 GHz C0: 1.5859E+02 GHz Dipole Mom: 0.750 Debye
 DJ: 2.63E-06 GHz DK: 2.40E-03 GHz DJK: 1.55E-04 GHz



Quantum Numbers			Level Degeneracy	Energy Above Ground (Kelvins)
J	K	K1		
00	00		1.	0.00
01	00		3.	0.80
02	00		5.	2.39
03	00		7.	4.77
04	00		9.	7.96
05	00		11.	11.94
06	00		13.	16.71
07	00		15.	22.28
08	00		17.	28.65
09	00		19.	35.81
10	00		21.	43.76
11	00		23.	52.52
12	00		25.	62.06
13	00		27.	72.41
14	00		29.	83.55
15	00		31.	95.48
16	00		33.	108.21
17	00		35.	121.73
18	00		37.	136.05
19	00		39.	151.17

QN(up)			QN(low)			Freq (GHz)	A(U-L)	B(L-U)	Log(Tau) relative
J	K	K1	J	K	K1				
01	00		00	00		16.580	9.93E-09	4.43E+17	-0.75
02	00		01	00		33.161	9.53E-08	2.96E+17	-0.15
03	00		02	00		49.741	3.45E-07	2.66E+17	0.18
04	00		03	00		66.321	8.47E-07	2.53E+17	0.41
05	00		04	00		82.901	1.69E-06	2.46E+17	0.58
06	00		05	00		99.480	2.97E-06	2.42E+17	0.71
07	00		06	00		116.059	4.77E-06	2.39E+17	0.81
08	00		07	00		132.638	7.18E-06	2.36E+17	0.88
09	00		08	00		149.216	1.03E-05	2.35E+17	0.93
10	00		09	00		165.793	1.42E-05	2.33E+17	0.97
11	00		10	00		182.370	1.90E-05	2.32E+17	0.99
12	00		11	00		198.947	2.47E-05	2.31E+17	1.00
13	00		12	00		215.522	3.15E-05	2.31E+17	1.00
14	00		13	00		232.097	3.95E-05	2.30E+17	0.98
15	00		14	00		248.670	4.86E-05	2.29E+17	0.96
16	00		15	00		265.243	5.91E-05	2.29E+17	0.93
17	00		16	00		281.815	7.11E-05	2.28E+17	0.89
18	00		17	00		298.386	8.45E-05	2.28E+17	0.83
19	00		18	00		314.955	9.95E-05	2.28E+17	0.77
20	00		19	00		331.524	1.16E-04	2.27E+17	0.71
21	00		20	00		348.091	1.35E-04	2.27E+17	0.63
22	00		21	00		364.657	1.55E-04	2.27E+17	0.55
23	00		22	00		381.221	1.77E-04	2.27E+17	0.46
24	00		23	00		397.784	2.02E-04	2.26E+17	0.36
25	00		24	00		414.346	2.28E-04	2.26E+17	0.25
26	00		25	00		430.906	2.57E-04	2.26E+17	0.14
27	00		26	00		447.464	2.87E-04	2.26E+17	0.02
28	00		27	00		464.020	3.21E-04	2.26E+17	-0.10
29	00		28	00		480.575	3.57E-04	2.26E+17	-0.24

Quantum Numbers			Level Degeneracy	Energy Above Ground (Kelvins)	QN(up)			QN(low)			Freq (GHz)	A(U-L)	B(L-U)	Log(Tau relative)
J	K	K1			J	K	K1	J	K	K1				
20	00		41.	167.08	01	00		00	00		16.580	9.93E-09	4.43E+17	-0.75
21	00		43.	183.79	02	00		01	00		33.161	9.53E-08	2.96E+17	-0.15
22	00		45.	201.29	03	00		02	00		49.741	3.45E-07	2.66E+17	0.18
23	00		47.	219.58	04	03		03	03		66.309	3.71E-07	1.11E+17	-0.41
24	00		49.	238.67	04	00		03	00		66.321	8.47E-07	2.53E+17	0.41
25	00		51.	258.56	05	03		04	03		82.887	1.08E-06	1.58E+17	-0.08
26	00		53.	279.24	05	00		04	00		82.901	1.69E-06	2.46E+17	0.58
27	00		55.	300.71	06	03		05	03		99.463	2.23E-06	1.81E+17	0.11
28	00		57.	322.98	06	00		05	00		99.480	2.97E-06	2.42E+17	0.71
29	00		59.	346.05	07	06		06	06		115.982	1.26E-06	6.33E+16	-1.65
30	00		61.	369.90	07	03		06	03		116.040	3.89E-06	1.95E+17	0.25
31	00		63.	394.56	07	00		06	00		116.059	4.77E-06	2.39E+17	0.81
32	00		65.	420.00	08	06		07	06		132.548	3.13E-06	1.03E+17	-1.36
33	00		67.	446.24	08	03		07	03		132.615	6.17E-06	2.03E+17	0.34
34	00		69.	473.28	08	00		07	00		132.638	7.18E-06	2.36E+17	0.88
03	03		7.	69.68	09	06		08	06		149.115	5.70E-06	1.30E+17	-1.20
04	03		9.	72.87	09	03		08	03		149.191	9.14E-06	2.09E+17	0.41
05	03		11.	76.84	09	00		08	00		149.216	1.03E-05	2.35E+17	0.93
06	03		13.	81.62	10	06		09	06		165.683	9.06E-06	1.49E+17	-1.10
07	03		15.	87.19	10	03		09	03		165.765	1.29E-05	2.12E+17	0.46
08	03		17.	93.55	10	00		09	00		165.793	1.42E-05	2.33E+17	0.97
09	03		19.	100.71	11	06		10	06		182.247	1.33E-05	1.63E+17	-1.04
10	03		21.	108.67	11	03		10	03		182.340	1.75E-05	2.15E+17	0.49
11	03		23.	117.42	11	00		10	00		182.370	1.90E-05	2.32E+17	0.99
12	03		25.	126.96	12	06		11	06		198.812	1.85E-05	1.73E+17	-1.00
13	03		27.	137.30	12	03		11	03		198.913	2.31E-05	2.17E+17	0.50
14	03		29.	148.44	12	00		11	00		198.947	2.47E-05	2.31E+17	1.00
15	03		31.	160.37	13	06		12	06		215.377	2.47E-05	1.81E+17	-0.98
16	03		33.	173.10	13	03		12	03		215.486	2.98E-05	2.18E+17	0.50
17	03		35.	186.62	13	00		12	00		215.522	3.15E-05	2.31E+17	1.00
18	03		37.	200.94	14	06		13	06		231.940	3.21E-05	1.88E+17	-0.98
19	03		39.	216.05	14	03		13	03		232.058	3.76E-05	2.19E+17	0.49
20	03		41.	231.96	14	00		13	00		232.097	3.95E-05	2.30E+17	0.98
21	03		43.	248.66	15	06		14	06		248.503	4.08E-05	1.93E+17	-0.99
22	03		45.	266.16	15	03		14	03		248.629	4.67E-05	2.20E+17	0.47
23	03		47.	284.45	15	00		14	00		248.670	4.86E-05	2.29E+17	0.96
24	03		49.	303.54	16	06		15	06		265.066	5.07E-05	1.97E+17	-1.02
25	03		51.	323.42	16	03		15	03		265.199	5.70E-05	2.21E+17	0.44
26	03		53.	344.10	16	00		15	00		265.243	5.91E-05	2.29E+17	0.93
27	03		55.	365.57	17	06		16	06		281.625	6.21E-05	2.00E+17	-1.05
28	03		57.	387.84	17	03		16	03		281.767	6.88E-05	2.21E+17	0.40
29	03		59.	410.90	17	00		16	00		281.815	7.11E-05	2.28E+17	0.89
30	03		61.	434.75	18	06		17	06		298.185	7.49E-05	2.03E+17	-1.09
31	03		63.	459.40	18	03		17	03		298.336	8.21E-05	2.22E+17	0.35
32	03		65.	484.84	18	00		17	00		298.386	8.45E-05	2.28E+17	0.83
06	06		13.	276.22	19	06		18	06		314.743	8.94E-05	2.05E+17	-1.15
07	06		15.	281.79	19	03		18	03		314.902	9.70E-05	2.22E+17	0.29
08	06		17.	288.15	19	00		18	00		314.955	9.95E-05	2.28E+17	0.77
09	06		19.	295.31	20	06		19	06		331.301	1.06E-04	2.07E+17	-1.21
10	06		21.	303.26	20	03		19	03		331.468	1.14E-04	2.22E+17	0.23
11	06		23.	312.01	20	00		19	00		331.524	1.16E-04	2.27E+17	0.71
12	06		25.	321.55	21	06		20	06		347.856	1.23E-04	2.09E+17	-1.28
13	06		27.	331.88	21	03		20	03		348.032	1.32E-04	2.22E+17	0.15
14	06		29.	343.02	21	00		20	00		348.091	1.35E-04	2.27E+17	0.63
15	06		31.	354.94	22	06		21	06		364.412	1.43E-04	2.10E+17	-1.36
16	06		33.	367.66	22	03		21	03		364.596	1.52E-04	2.23E+17	0.07
17	06		35.	381.18	22	00		21	00		364.657	1.55E-04	2.27E+17	0.55
18	06		37.	395.49	23	06		22	06		380.964	1.65E-04	2.11E+17	-1.45
19	06		39.	410.59	23	03		22	03		381.157	1.74E-04	2.23E+17	-0.02
20	06		41.	426.49	23	00		22	00		381.221	1.77E-04	2.27E+17	0.46