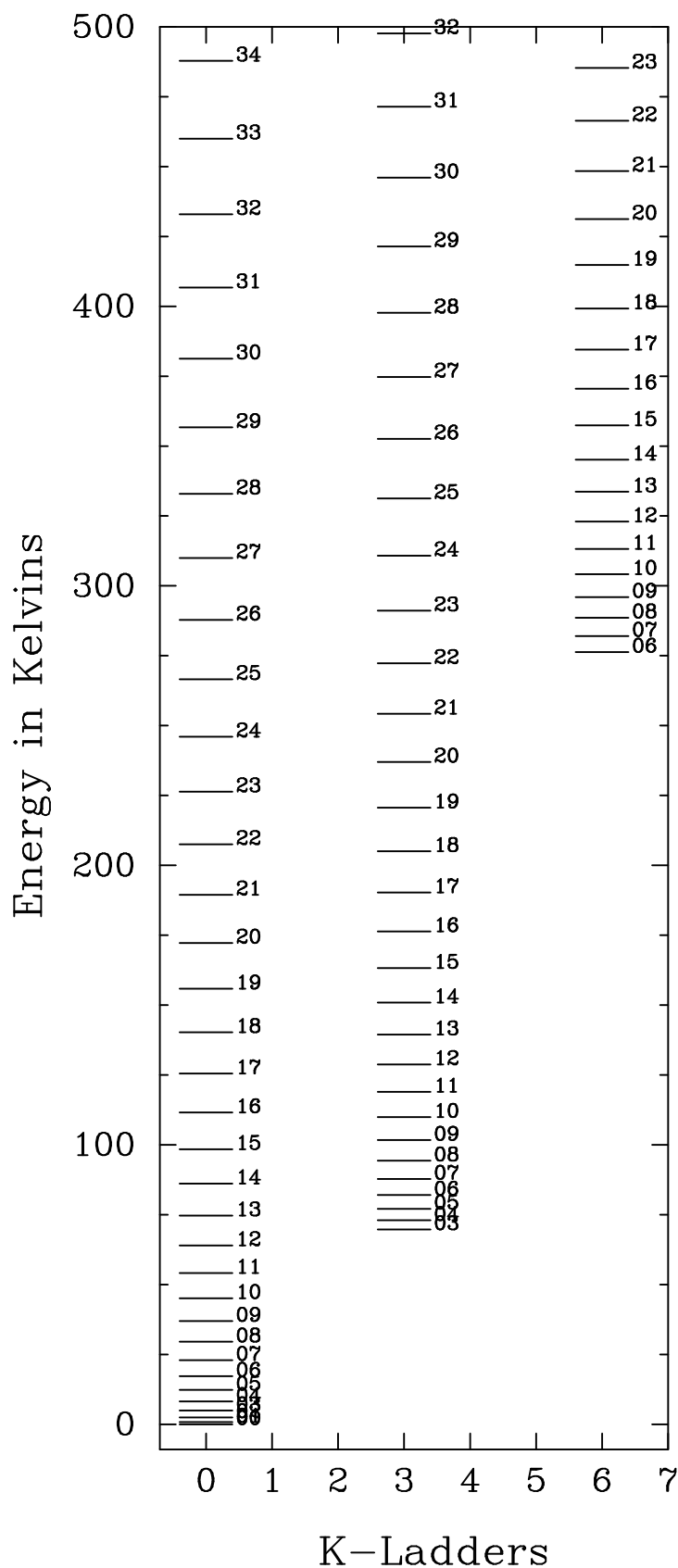


ortho-CH₃CCH

B0: 8.54586 GHz C0: 1.5859E+02 GHz Dipole Mom: 0.750 Debye
 DJ: 2.91E-06 GHz DK: 2.40E-03 GHz DJK: 1.63E-04 GHz



Quantum Numbers			Level Degeneracy	Energy Above Ground (Kelvins)
J	K	K1		
00	00		1.	0.00
01	00		3.	0.82
02	00		5.	2.46
03	00		7.	4.92
04	00		9.	8.20
05	00		11.	12.30
06	00		13.	17.23
07	00		15.	22.97
08	00		17.	29.53
09	00		19.	36.91
10	00		21.	45.11
11	00		23.	54.14
12	00		25.	63.98
13	00		27.	74.64
14	00		29.	86.12
15	00		31.	98.42
16	00		33.	111.55
17	00		35.	125.49
18	00		37.	140.25
19	00		39.	155.83

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		17.092	1.09E-08	4.43E+17	-0.73
02	00		01	00		34.183	1.04E-07	2.96E+17	-0.14
03	00		02	00		51.275	3.78E-07	2.66E+17	0.20
04	00		03	00		68.366	9.28E-07	2.53E+17	0.43
05	00		04	00		85.457	1.85E-06	2.46E+17	0.59
06	00		05	00		102.548	3.25E-06	2.42E+17	0.72
07	00		06	00		119.638	5.22E-06	2.39E+17	0.81
08	00		07	00		136.728	7.86E-06	2.36E+17	0.89
09	00		08	00		153.817	1.13E-05	2.35E+17	0.94
10	00		09	00		170.906	1.55E-05	2.33E+17	0.97
11	00		10	00		187.994	2.08E-05	2.32E+17	0.99
12	00		11	00		205.080	2.71E-05	2.31E+17	1.00
13	00		12	00		222.167	3.45E-05	2.31E+17	1.00
14	00		13	00		239.252	4.32E-05	2.30E+17	0.98
15	00		14	00		256.336	5.33E-05	2.29E+17	0.95
16	00		15	00		273.420	6.48E-05	2.29E+17	0.92
17	00		16	00		290.502	7.78E-05	2.28E+17	0.87
18	00		17	00		307.583	9.25E-05	2.28E+17	0.82
19	00		18	00		324.663	1.09E-04	2.28E+17	0.76
20	00		19	00		341.741	1.27E-04	2.27E+17	0.68
21	00		20	00		358.819	1.47E-04	2.27E+17	0.61
22	00		21	00		375.894	1.70E-04	2.27E+17	0.52
23	00		22	00		392.968	1.94E-04	2.27E+17	0.42
24	00		23	00		410.040	2.21E-04	2.26E+17	0.32
25	00		24	00		427.111	2.50E-04	2.26E+17	0.21
26	00		25	00		444.180	2.81E-04	2.26E+17	0.09
27	00		26	00		461.248	3.15E-04	2.26E+17	-0.03
28	00		27	00		478.313	3.51E-04	2.26E+17	-0.16
29	00		28	00		495.375	3.91E-04	2.26E+17	-0.30

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.	172.23	01	00		00	00		17.092	1.09E-08	4.43E+17	-0.73
21	00		43.	189.45	02	00		01	00		34.183	1.04E-07	2.96E+17	-0.14
22	00		45.	207.49	03	00		02	00		51.275	3.78E-07	2.66E+17	0.20
23	00		47.	226.35	04	03		03	03		68.354	4.06E-07	1.11E+17	-0.40
24	00		49.	246.03	04	00		03	00		68.366	9.28E-07	2.53E+17	0.43
25	00		51.	266.53	05	03		04	03		85.443	1.19E-06	1.58E+17	-0.07
26	00		53.	287.84	05	00		04	00		85.457	1.85E-06	2.46E+17	0.59
27	00		55.	309.98	06	03		05	03		102.530	2.44E-06	1.81E+17	0.12
28	00		57.	332.94	06	00		05	00		102.548	3.25E-06	2.42E+17	0.72
29	00		59.	356.71	07	06		06	06		119.556	1.38E-06	6.33E+16	-1.64
30	00		61.	381.30	07	03		06	03		119.617	4.26E-06	1.95E+17	0.26
31	00		63.	406.71	07	00		06	00		119.638	5.22E-06	2.39E+17	0.81
32	00		65.	432.95	08	06		07	06		136.634	3.43E-06	1.03E+17	-1.35
33	00		67.	459.99	08	03		07	03		136.705	6.75E-06	2.03E+17	0.35
34	00		69.	487.86	08	00		07	00		136.728	7.86E-06	2.36E+17	0.89
03	03		7.	69.72	09	06		08	06		153.711	6.25E-06	1.30E+17	-1.19
04	03		9.	73.00	09	03		08	03		153.791	1.00E-05	2.09E+17	0.42
05	03		11.	77.10	09	00		08	00		153.817	1.13E-05	2.35E+17	0.94
06	03		13.	82.02	10	06		09	06		170.787	9.92E-06	1.49E+17	-1.10
07	03		15.	87.76	10	03		09	03		170.876	1.41E-05	2.12E+17	0.46
08	03		17.	94.32	10	00		09	00		170.906	1.55E-05	2.33E+17	0.97
09	03		19.	101.70	11	06		10	06		187.865	1.46E-05	1.63E+17	-1.04
10	03		21.	109.90	11	03		10	03		187.961	1.92E-05	2.15E+17	0.49
11	03		23.	118.92	11	00		10	00		187.994	2.08E-05	2.32E+17	0.99
12	03		25.	128.77	12	06		11	06		204.939	2.03E-05	1.73E+17	-1.00
13	03		27.	139.43	12	03		11	03		205.045	2.54E-05	2.17E+17	0.50
14	03		29.	150.91	12	00		11	00		205.080	2.71E-05	2.31E+17	1.00
15	03		31.	163.21	13	06		12	06		222.014	2.71E-05	1.81E+17	-0.98
16	03		33.	176.33	13	03		12	03		222.128	3.27E-05	2.18E+17	0.50
17	03		35.	190.27	13	00		12	00		222.167	3.45E-05	2.31E+17	1.00
18	03		37.	205.02	14	06		13	06		239.088	3.52E-05	1.88E+17	-0.98
19	03		39.	220.60	14	03		13	03		239.211	4.12E-05	2.19E+17	0.49
20	03		41.	237.00	14	00		13	00		239.252	4.32E-05	2.30E+17	0.98
21	03		43.	254.22	15	06		14	06		256.160	4.47E-05	1.93E+17	-1.00
22	03		45.	272.26	15	03		14	03		256.292	5.11E-05	2.20E+17	0.47
23	03		47.	291.11	15	00		14	00		256.336	5.33E-05	2.29E+17	0.95
24	03		49.	310.79	16	06		15	06		273.232	5.56E-05	1.97E+17	-1.02
25	03		51.	331.28	16	03		15	03		273.373	6.25E-05	2.21E+17	0.43
26	03		53.	352.59	16	00		15	00		273.420	6.48E-05	2.29E+17	0.92
27	03		55.	374.73	17	06		16	06		290.302	6.80E-05	2.00E+17	-1.06
28	03		57.	397.68	17	03		16	03		290.452	7.54E-05	2.21E+17	0.39
29	03		59.	421.45	17	00		16	00		290.502	7.78E-05	2.28E+17	0.87
30	03		61.	446.04	18	06		17	06		307.371	8.21E-05	2.03E+17	-1.11
31	03		63.	471.44	18	03		17	03		307.530	8.99E-05	2.22E+17	0.34
32	03		65.	497.67	18	00		17	00		307.583	9.25E-05	2.28E+17	0.82
06	06		13.	276.30	19	06		18	06		324.440	9.79E-05	2.05E+17	-1.16
07	06		15.	282.04	19	03		18	03		324.607	1.06E-04	2.22E+17	0.28
08	06		17.	288.59	19	00		18	00		324.663	1.09E-04	2.28E+17	0.76
09	06		19.	295.97	20	06		19	06		341.505	1.16E-04	2.07E+17	-1.23
10	06		21.	304.17	20	03		19	03		341.683	1.24E-04	2.22E+17	0.21
11	06		23.	313.18	20	00		19	00		341.741	1.27E-04	2.27E+17	0.68
12	06		25.	323.02	21	06		20	06		358.573	1.35E-04	2.09E+17	-1.31
13	06		27.	333.67	21	03		20	03		358.757	1.44E-04	2.22E+17	0.13
14	06		29.	345.15	21	00		20	00		358.819	1.47E-04	2.27E+17	0.61
15	06		31.	357.44	22	06		21	06		375.635	1.57E-04	2.10E+17	-1.39
16	06		33.	370.55	22	03		21	03		375.829	1.66E-04	2.23E+17	0.04
17	06		35.	384.49	22	00		21	00		375.894	1.70E-04	2.27E+17	0.52
18	06		37.	399.24	23	06		22	06		392.698	1.81E-04	2.11E+17	-1.48
19	06		39.	414.81	23	03		22	03		392.901	1.91E-04	2.23E+17	-0.05
20	06		41.	431.20	23	00		22	00		392.968	1.94E-04	2.27E+17	0.42