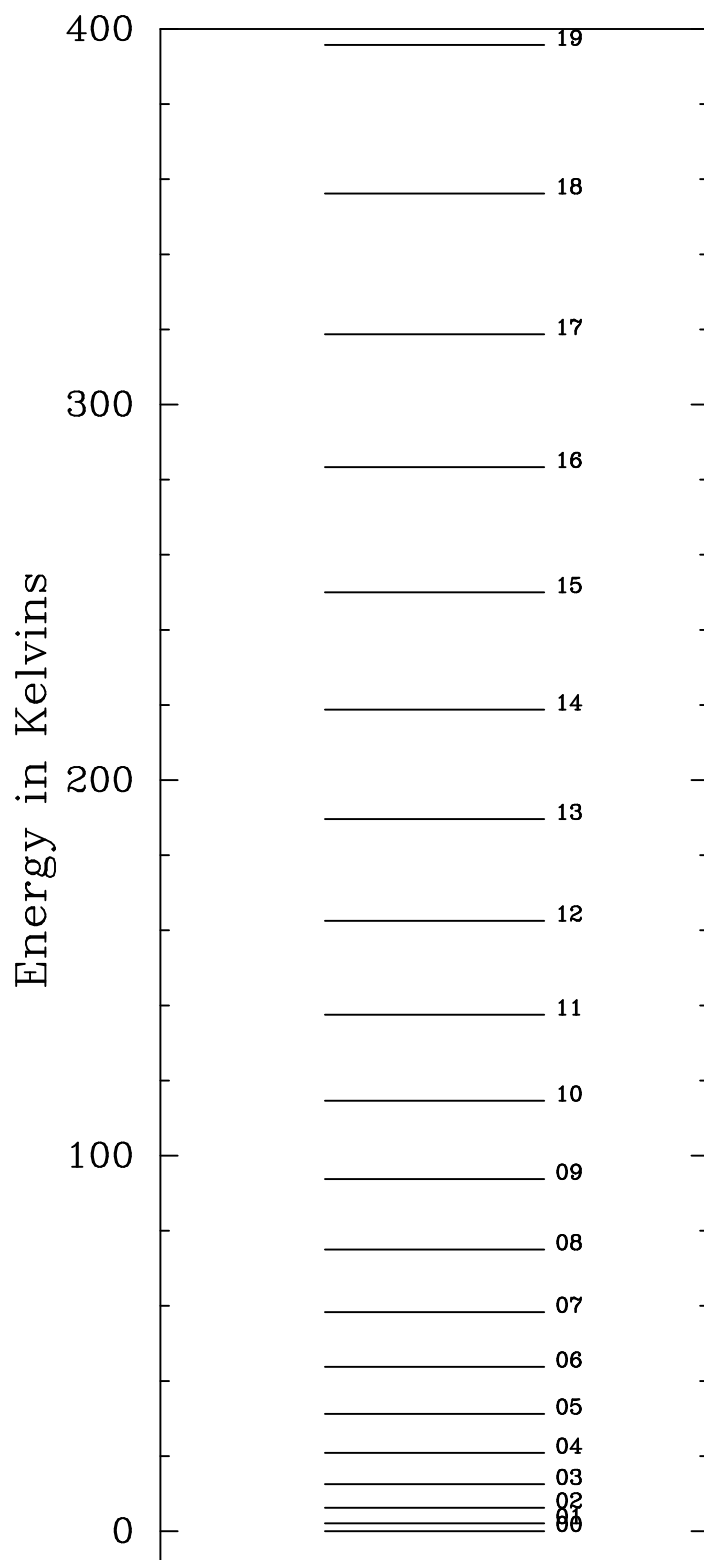


SiO

B(rot): 21.71195 GHz De = 2.9870E-05 GHz Dipole Mom = 3.098 Debye



Quantum Numbers			Level Degeneracy	Energy Above Ground (Kelvins)
J	K	K1		
00			1.	0.00
01			3.	2.08
02			5.	6.25
03			7.	12.50
04			9.	20.84
05			11.	31.26
06			13.	43.76
07			15.	58.35
08			17.	75.02
09			19.	93.77
10			21.	114.60
11			23.	137.52
12			25.	162.52
13			27.	189.60
14			29.	218.76
15			31.	250.00
16			33.	283.32
17			35.	318.72
18			37.	356.20
19			39.	395.75

QN(up)			Freq (GHz)	A(U-L)	B(L-U)	Log(Tau) relative
J	K	K1				
01	00		43.424	3.05E-06	7.58E+09	-0.33
02	01		86.847	2.93E-05	5.05E+09	0.25
03	02		130.268	1.06E-04	4.55E+09	0.56
04	03		173.688	2.60E-04	4.33E+09	0.76
05	04		217.105	5.20E-04	4.21E+09	0.89
06	05		260.518	9.12E-04	4.13E+09	0.96
07	06		303.926	1.46E-03	4.08E+09	1.00
08	07		347.330	2.20E-03	4.04E+09	1.00
09	08		390.728	3.16E-03	4.01E+09	0.97
10	09		434.120	4.35E-03	3.99E+09	0.92
11	10		477.504	5.82E-03	3.97E+09	0.85
12	11		520.881	7.58E-03	3.95E+09	0.75
13	12		564.248	9.66E-03	3.94E+09	0.63
14	13		607.606	1.21E-02	3.93E+09	0.49
15	14		650.956	1.49E-02	3.92E+09	0.34
16	15		694.293	1.81E-02	3.91E+09	0.16
17	16		737.620	2.18E-02	3.90E+09	-0.04
18	17		780.934	2.59E-02	3.90E+09	-0.25
19	18		824.235	3.05E-02	3.89E+09	-0.48