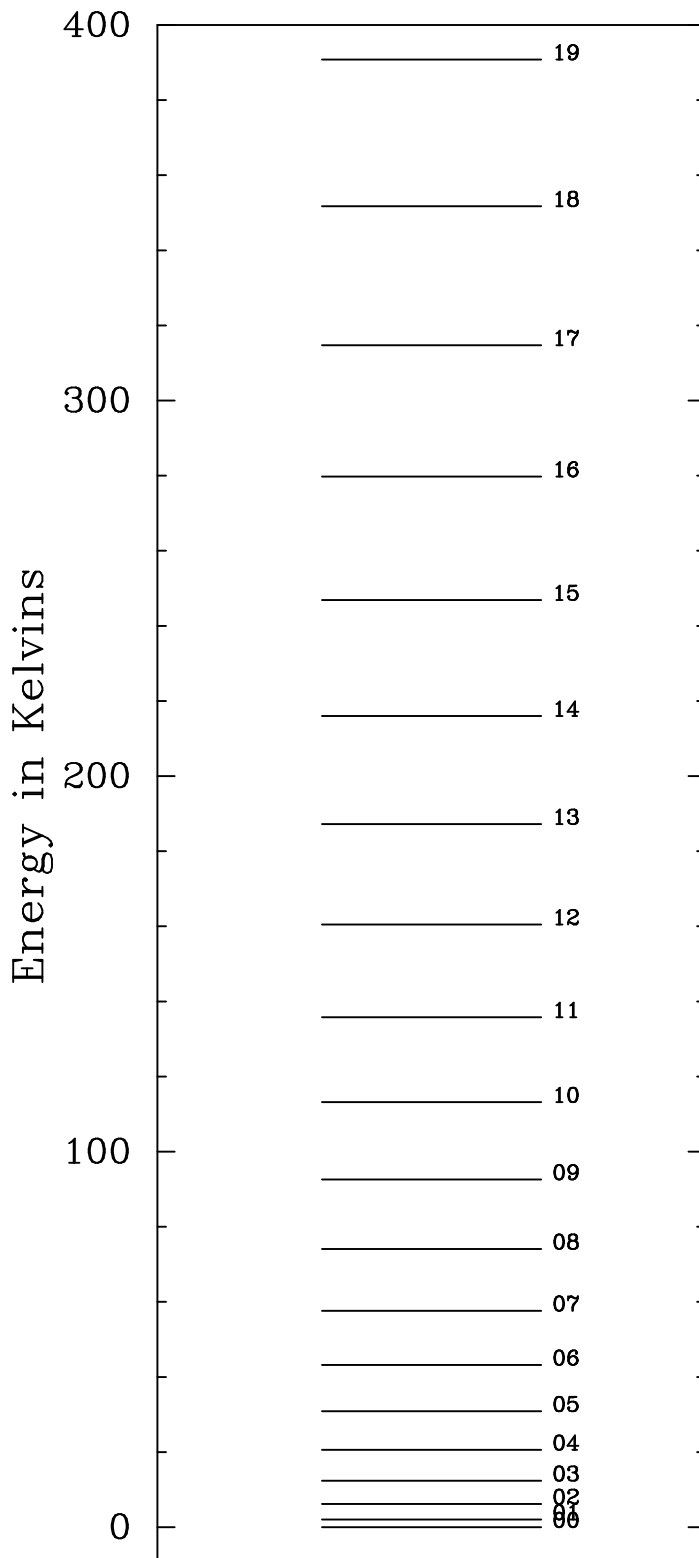


^{29}SiO

B(rot): 21.43998 GHz $D_e = 2.9113\text{E-}05$ GHz Dipole Mom = 3.098 Debye



Quantum Numbers			Level Degeneracy	Energy Above Ground (Kelvins)
J	K	K1		
00			1.	0.00
01			3.	2.06
02			5.	6.17
03			7.	12.35
04			9.	20.58
05			11.	30.87
06			13.	43.21
07			15.	57.62
08			17.	74.08
09			19.	92.59
10			21.	113.17
11			23.	135.80
12			25.	160.48
13			27.	187.22
14			29.	216.02
15			31.	246.87
16			33.	279.77
17			35.	314.73
18			37.	351.74
19			39.	390.80

QN(up)			Freq (GHz)	A(U-L)	B(L-U)	Log(Tau) relative
J	K	K1				
01	00		42.880	2.94E-06	7.58E+09	-0.34
02	01		85.759	2.82E-05	5.05E+09	0.24
03	02		128.637	1.02E-04	4.55E+09	0.56
04	03		171.512	2.51E-04	4.33E+09	0.75
05	04		214.385	5.00E-04	4.21E+09	0.88
06	05		257.255	8.78E-04	4.13E+09	0.96
07	06		300.120	1.41E-03	4.08E+09	1.00
08	07		342.980	2.12E-03	4.04E+09	1.00
09	08		385.835	3.04E-03	4.01E+09	0.98
10	09		428.683	4.19E-03	3.99E+09	0.93
11	10		471.525	5.60E-03	3.97E+09	0.85
12	11		514.358	7.30E-03	3.95E+09	0.76
13	12		557.184	9.30E-03	3.94E+09	0.64
14	13		600.000	1.16E-02	3.93E+09	0.51
15	14		642.807	1.44E-02	3.92E+09	0.35
16	15		685.602	1.75E-02	3.91E+09	0.18
17	16		728.387	2.10E-02	3.90E+09	-0.02
18	17		771.160	2.49E-02	3.90E+09	-0.23
19	18		813.920	2.93E-02	3.89E+09	-0.45

Levels