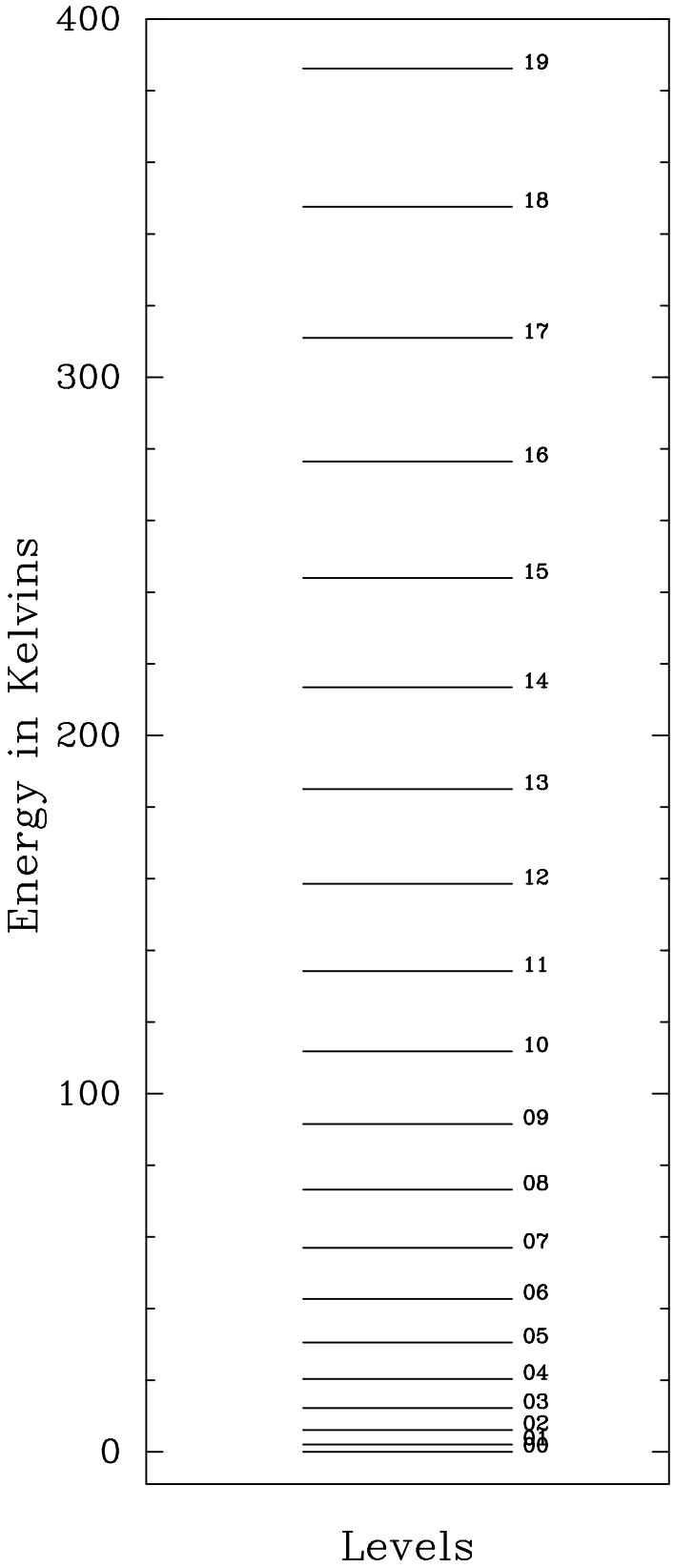
^{30}SiO

B(rot): 21.18670 GHz De = 2.8440E−05 GHz Dipole Mom = 3.098 Debye



Quantum Numbers J K K1	Level Degeneracy	Energy Above Ground (Kelvins)
00	1.	0.00
01	3.	2.03
02	5.	6.10
03	7.	12.20
04	9.	20.34
05	11.	30.50
06	13.	42.70
07	15.	56.94
08	17.	73.20
09	19.	91.50
10	21.	111.83
11	23.	134.19
12	25.	158.59
13	27.	185.01
14	29.	213.47
15	31.	243.95
16	33.	276.47
17	35.	311.01
18	37.	347.58
19	39.	386.18

QN(up) J K K1	QN(low) J K K1	Freq (GHz)	A(U−L)	B(L−U)	Log(Tau) relative
01	00	42.373	2.83E−06	7.58E+09	−0.34
02	01	84.746	2.72E−05	5.05E+09	0.24
03	02	127.117	9.83E−05	4.55E+09	0.55
04	03	169.486	2.42E−04	4.33E+09	0.75
05	04	211.853	4.83E−04	4.21E+09	0.88
06	05	254.216	8.47E−04	4.13E+09	0.96
07	06	296.575	1.36E−03	4.08E+09	0.99
08	07	338.929	2.05E−03	4.04E+09	1.00
09	08	381.278	2.93E−03	4.01E+09	0.98
10	09	423.620	4.04E−03	3.99E+09	0.93
11	10	465.956	5.41E−03	3.97E+09	0.86
12	11	508.285	7.04E−03	3.95E+09	0.77
13	12	550.604	8.98E−03	3.94E+09	0.65
14	13	592.915	1.12E−02	3.93E+09	0.52
15	14	635.217	1.39E−02	3.92E+09	0.36
16	15	677.509	1.68E−02	3.91E+09	0.19
17	16	719.789	2.02E−02	3.90E+09	0.00
18	17	762.058	2.41E−02	3.90E+09	−0.20
19	18	804.315	2.83E−02	3.89E+09	−0.43