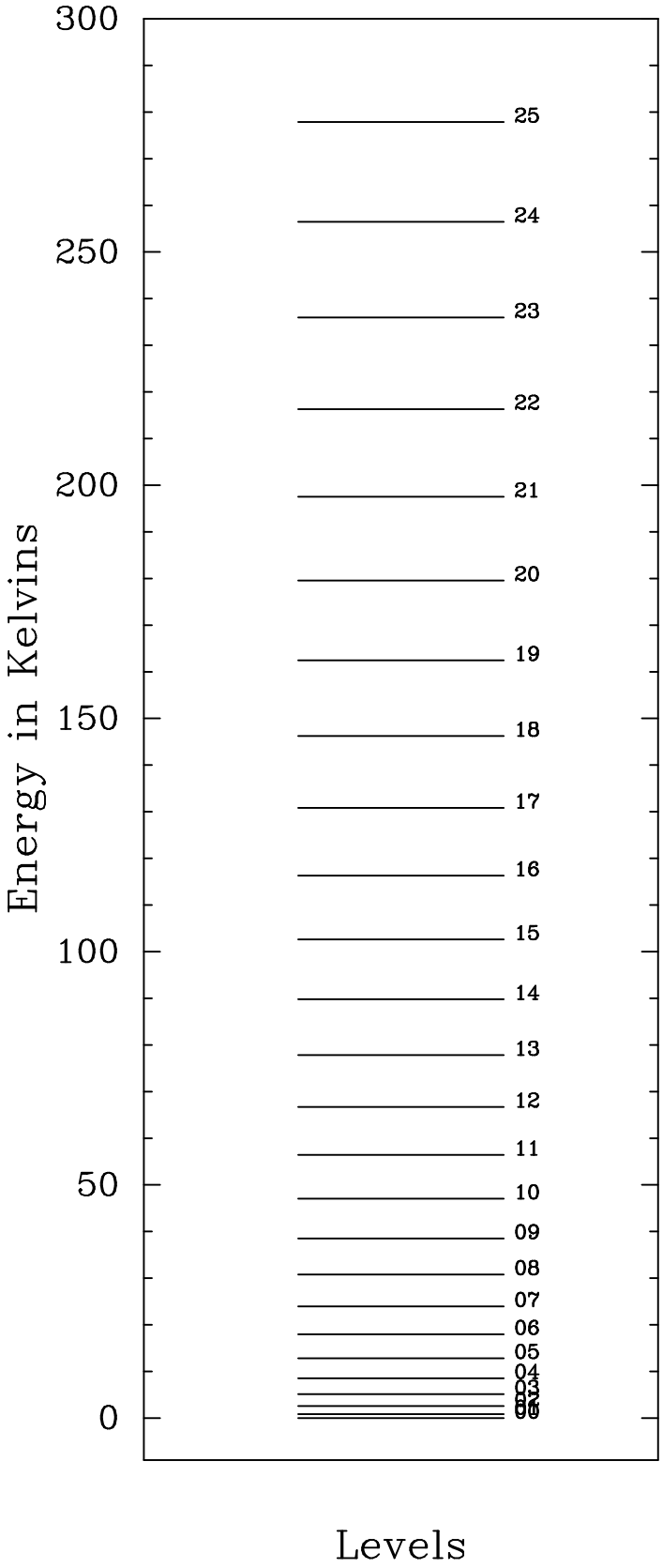
^{29}SiS

B(rot): 8.91066 GHz De = 5.8640E−06 GHz Dipole Mom = 1.730 Debye



Quantum Numbers J K K1	Level Degeneracy	Energy Above Ground (Kelvins)
00	1.	0.00
01	3.	0.86
02	5.	2.57
03	7.	5.13
04	9.	8.55
05	11.	12.83
06	13.	17.96
07	15.	23.95
08	17.	30.79
09	19.	38.49
10	21.	47.04
11	23.	56.44
12	25.	66.71
13	27.	77.82
14	29.	89.79
15	31.	102.62
16	33.	116.30
17	35.	130.83
18	37.	146.22
19	39.	162.46

QN(up) J K K1	QN(low) J K K1	Freq (GHz)	A(U−L)	B(L−U)	Log(Tau) relative
01	00	17.821	6.57E−08	2.36E+09	−0.72
02	01	35.642	6.31E−07	1.58E+09	−0.12
03	02	53.463	2.28E−06	1.42E+09	0.21
04	03	71.284	5.61E−06	1.35E+09	0.44
05	04	89.104	1.12E−05	1.31E+09	0.61
06	05	106.923	1.97E−05	1.29E+09	0.73
07	06	124.741	3.16E−05	1.27E+09	0.83
08	07	142.559	4.75E−05	1.26E+09	0.90
09	08	160.375	6.81E−05	1.25E+09	0.94
10	09	178.190	9.39E−05	1.24E+09	0.98
11	10	196.003	1.25E−04	1.24E+09	1.00
12	11	213.816	1.63E−04	1.23E+09	1.00
13	12	231.625	2.08E−04	1.23E+09	0.99
14	13	249.434	2.61E−04	1.23E+09	0.97
15	14	267.241	3.22E−04	1.22E+09	0.94
16	15	285.045	3.91E−04	1.22E+09	0.90
17	16	302.847	4.70E−04	1.22E+09	0.85
18	17	320.647	5.59E−04	1.22E+09	0.80
19	18	338.444	6.58E−04	1.21E+09	0.73
20	19	356.239	7.68E−04	1.21E+09	0.65
21	20	374.030	8.90E−04	1.21E+09	0.57
22	21	391.819	1.02E−03	1.21E+09	0.48
23	22	409.605	1.17E−03	1.21E+09	0.38
24	23	427.388	1.33E−03	1.21E+09	0.27
25	24	445.166	1.51E−03	1.21E+09	0.15