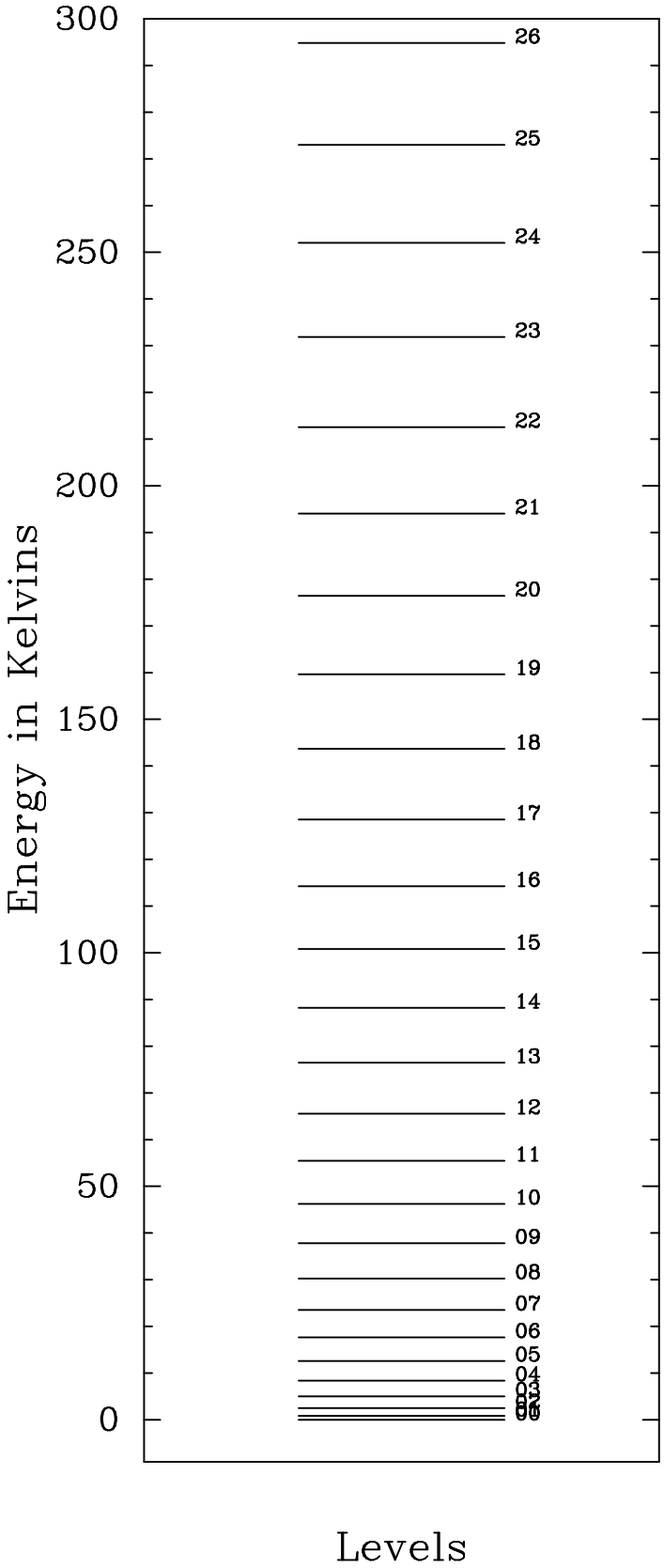
^{30}SiS

B(rot): 8.75533 GHz De = 5.4000E−06 GHz Dipole Mom = 1.730 Debye



Quantum Numbers J K K1	Level Degeneracy	Energy Above Ground (Kelvins)
00	1.	0.00
01	3.	0.84
02	5.	2.52
03	7.	5.04
04	9.	8.40
05	11.	12.61
06	13.	17.65
07	15.	23.53
08	17.	30.25
09	19.	37.81
10	21.	46.22
11	23.	55.46
12	25.	65.54
13	27.	76.47
14	29.	88.23
15	31.	100.83
16	33.	114.27
17	35.	128.55
18	37.	143.67
19	39.	159.63

QN(up) J K K1	QN(low) J K K1	Freq (GHz)	A(U−L)	B(L−U)	Log(Tau) relative
01	00	17.511	6.23E−08	2.36E+09	−0.72
02	01	35.021	5.99E−07	1.58E+09	−0.13
03	02	52.531	2.16E−06	1.42E+09	0.21
04	03	70.041	5.32E−06	1.35E+09	0.43
05	04	87.551	1.06E−05	1.31E+09	0.60
06	05	105.059	1.86E−05	1.29E+09	0.73
07	06	122.567	2.99E−05	1.27E+09	0.82
08	07	140.074	4.51E−05	1.26E+09	0.89
09	08	157.580	6.46E−05	1.25E+09	0.94
10	09	175.085	8.90E−05	1.24E+09	0.98
11	10	192.589	1.19E−04	1.24E+09	0.99
12	11	210.091	1.55E−04	1.23E+09	1.00
13	12	227.591	1.98E−04	1.23E+09	0.99
14	13	245.090	2.48E−04	1.23E+09	0.98
15	14	262.587	3.05E−04	1.22E+09	0.95
16	15	280.082	3.71E−04	1.22E+09	0.91
17	16	297.575	4.46E−04	1.22E+09	0.86
18	17	315.066	5.30E−04	1.22E+09	0.81
19	18	332.554	6.24E−04	1.21E+09	0.74
20	19	350.040	7.29E−04	1.21E+09	0.67
21	20	367.524	8.45E−04	1.21E+09	0.58
22	21	385.004	9.72E−04	1.21E+09	0.49
23	22	402.483	1.11E−03	1.21E+09	0.40
24	23	419.957	1.26E−03	1.21E+09	0.29
25	24	437.428	1.43E−03	1.21E+09	0.18
26	25	454.898	1.61E−03	1.20E+09	0.06