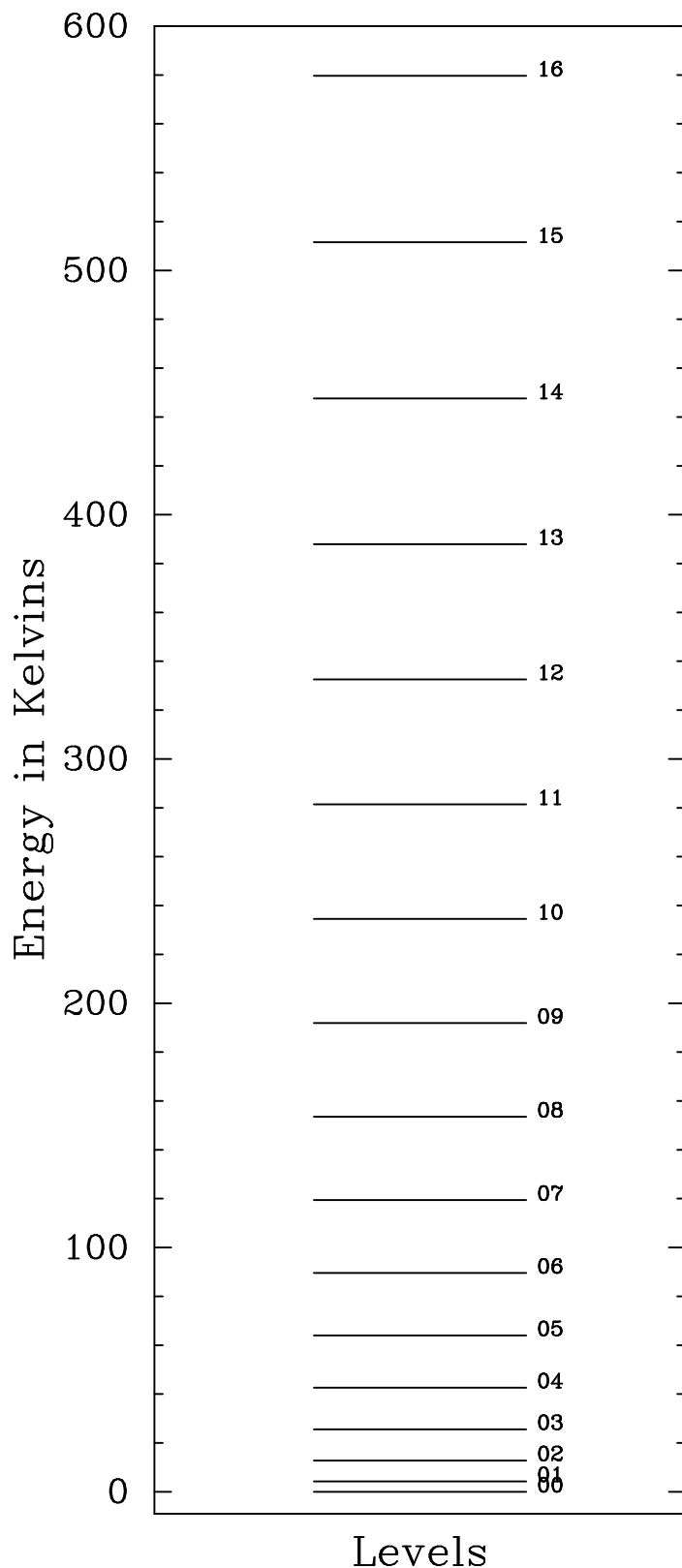


B(rot): 44.43304 GHz    De = 9.7200E-05 GHz    Dipole Mom = 2.700 Debye



| Quantum Numbers |   |    | Level Degeneracy | Energy Above Ground (Kelvins) |
|-----------------|---|----|------------------|-------------------------------|
| J               | K | K1 |                  |                               |
| 00              |   |    | 1.               | 0.00                          |
| 01              |   |    | 3.               | 4.26                          |
| 02              |   |    | 5.               | 12.79                         |
| 03              |   |    | 7.               | 25.59                         |
| 04              |   |    | 9.               | 42.65                         |
| 05              |   |    | 11.              | 63.97                         |
| 06              |   |    | 13.              | 89.55                         |
| 07              |   |    | 15.              | 119.40                        |
| 08              |   |    | 17.              | 153.51                        |
| 09              |   |    | 19.              | 191.88                        |
| 10              |   |    | 21.              | 234.51                        |
| 11              |   |    | 23.              | 281.40                        |
| 12              |   |    | 25.              | 332.55                        |
| 13              |   |    | 27.              | 387.95                        |
| 14              |   |    | 29.              | 447.61                        |
| 15              |   |    | 31.              | 511.52                        |
| 16              |   |    | 33.              | 579.68                        |

| QN(up) |    |    | Freq (GHz) | A(U-L)   | B(L-U)   | Log(Tau) relative |
|--------|----|----|------------|----------|----------|-------------------|
| J      | K  | K1 |            |          |          |                   |
| 01     | 00 |    | 88.866     | 1.98E-05 | 5.75E+09 | -0.03             |
| 02     | 01 |    | 177.729    | 1.91E-04 | 3.84E+09 | 0.53              |
| 03     | 02 |    | 266.588    | 6.89E-04 | 3.45E+09 | 0.80              |
| 04     | 03 |    | 355.439    | 1.69E-03 | 3.29E+09 | 0.94              |
| 05     | 04 |    | 444.282    | 3.38E-03 | 3.20E+09 | 1.00              |
| 06     | 05 |    | 533.112    | 5.93E-03 | 3.14E+09 | 0.99              |
| 07     | 06 |    | 621.929    | 9.53E-03 | 3.10E+09 | 0.92              |
| 08     | 07 |    | 710.730    | 1.43E-02 | 3.07E+09 | 0.81              |
| 09     | 08 |    | 799.511    | 2.05E-02 | 3.05E+09 | 0.65              |
| 10     | 09 |    | 888.272    | 2.83E-02 | 3.03E+09 | 0.45              |
| 11     | 10 |    | 977.009    | 3.78E-02 | 3.01E+09 | 0.21              |
| 12     | 11 |    | 1065.721   | 4.93E-02 | 3.00E+09 | -0.07             |
| 13     | 12 |    | 1154.405   | 6.29E-02 | 2.99E+09 | -0.38             |
| 14     | 13 |    | 1243.058   | 7.87E-02 | 2.98E+09 | -0.73             |
| 15     | 14 |    | 1331.679   | 9.70E-02 | 2.98E+09 | -1.11             |
| 16     | 15 |    | 1420.264   | 1.18E-01 | 2.97E+09 | -1.53             |