Species Tag: 18002  
Name: N-15-H3  
Version: 2  
Date: Jan. 1981  
Contributor: R. L. Poynter

Lines Listed: 235  
Freq. (GHz) < 2992  
Max. J: 20  
LOGSTR0= -16.4  
LOGSTR1= -11.8  
Isotope Corr.: -2.432  
Egy. (cm$^{-1}$) > 0.4  
$\mu_a =$  
$\mu_b =$  
$\mu_c =$ 1.476

The same computational method was used here as for $^{14}$NH$_3$. These lines are based upon the precision molecular beam measurements by S. G. Kukolich, 1967, Phys. Rev. 156, 83, and 1968, Phys. Rev. 172, 59, and upon the most recent microwave measurements of H. Sasada, 1980, J. Mol. Spect. 83, 15. The energy levels were computed from the recent far-infrared measurements of M. Carlotti, A. Trombetti, B. Velino, and J. Vrbanchich, 1980, J. Mol. Spect. 83, 401. The C rotational constant was assumed to be the same as for $^{14}$NH$_3$. The dipole moment was assumed to be the same as for $^{14}$NH$_3$. 