

Species Tag:	71002	Name:	NF3
Version:	1		Nitrogen Trifluoride
Date:	July 2008		
Contributor:	B. J. Drouin		

Lines Listed:	4033	Q(300.0)=	27822.4378
Freq. (GHz) <	2021	Q(225.0)=	18066.0483
Max. J:	96	Q(150.0)=	9832.6548
LOGSTR0=	-9.0	Q(75.00)=	3478.1121
LOGSTR1=	-9.0	Q(37.50)=	1231.7483
Isotope Corr.:	0.	Q(18.75)=	437.0868
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	155.6957
μ_a =	0.234	A=	
μ_b =		B=	10681.092
μ_c =		C=	B

The experimental data were taken from Cazzoli and Puzzarini, *Journal of Molecular Spectroscopy* 239, p.59-63, 2006 and references therein. The Hamiltonian includes fixed values for the 'axial' constants derived in Sari-Zizi *et al.* *Journal of Molecular Spectroscopy* 228, p. 511-527, 2004.

The dipole moment was measured by Ghosh *et al.* *Journal of Chemical Physics* 21(2), p. 308-310, 1953.