

Species Tag:	52011	Name:	CH2F2-v4
Version:	1		Difluoro methane,
Date:	Nov. 1989		ν_4 state
Contributor:	H. M. Pickett		

Lines Listed:	7808	Q(300.0)=	55398.785
Freq. (GHz) <	3189	Q(225.0)=	34017.324
Max. J:	79	Q(150.0)=	17992.842
LOGSTR0=	-8.0	Q(75.00)=	6324.120
LOGSTR1=	-7.0	Q(37.50)=	2239.752
Isotope Corr.:	0.0	Q(18.75)=	794.877
Egy. (cm^{-1}) >	528.5	Q(9.375)=	283.270
μ_a =		A=	49480.535
μ_b =	1.9785	B=	10582.942
μ_c =		C=	9216.495

Far-infrared spectra are from M. Carlotti *et al.*, 1988, J. Mol. Spect. **132**, 158. These frequencies were multiplied by 0.9999982 to bring the ground state lines more in agreement with the microwave and submillimeter data. The dipole moment is from K. Kawaguchi and T. Tanaka, 1986, J. Mol. Spect. **68**, 125. The partition function includes allowance for the vibrational states.