

Species Tag:	52010	Name:	CH2F2
Version:	1		Difluoro methane
Date:	Nov. 1989		
Contributor:	H. M. Pickett		

Lines Listed:	11942	Q(300.0)=	55398.785
Freq. (GHz) <	3624	Q(225.0)=	34017.324
Max. J:	80	Q(150.0)=	17992.842
LOGSTR0=	-7.9	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) >	0.0	Q(9.375)=	283.270
μ_a =		A=	49142.867
μ_b =	1.9785	B=	10604.822
μ_c =		C=	9249.756

Microwave transitions are from E. Hirota *et al.*, 1970, J. Mol. Spect. **34**, 222. Millimeter and submillimeter transitions are from L. Martinache *et al.*, 1986, J. Mol. Spect. **119**, 225. 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 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.