

Species Tag:	21002	Name:	DF
Version:	1		Deuterium fluoride
Date:	Jan. 1991		
Contributor:	E. A. Cohen		

Lines Listed:	20	Q(300.0)=	19.575
Freq. (GHz) <	12474	Q(225.0)=	14.760
Max. J:	20	Q(150.0)=	9.949
LOGSTR0=	-9	Q(75.00)=	5.150
LOGSTR1=	-9	Q(37.50)=	2.764
Isotope Corr.:	-3.824	Q(18.75)=	1.601
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	1.107
μ_a =	1.818805	A=	
μ_b =		B=	325584.862
μ_c =		C=	

The dipole moment was measured by J. S. Muenter and W. Klemperer, 1970, *J. Chem. Phys.* **52**, 6033. The molecular parameters are derived from a fit to far-infrared and infrared data supplied by J. A. Coxon (personal communication) and from the submillimeter measurement of P. Helminger *et al.*, 1970, *Phys. Rev. Lett.* **25**, 1397. See also J. A. Coxon and P. G. Hajigeorgiou, 1990, *J. Mol. Spect.* **142**, 254, and J. A. Coxon and J. F. Oglvie, 1989, *Can. J. Phys.* **34**, 137.