

Species Tag:	56002	Name:	CH3C-13-H2CN
Version:	2		Ethyl cyanide,
Date:	Jan. 1981		¹³ C isotope on atom 2
Contributor:	R. L. Poynter		

Lines Listed:	1252	Q(300.0)=	113684.125
Freq. (GHz) <	519	Q(225.0)=	72060.930
Max. J:	10	Q(150.0)=	40206.848
LOGSTR0=	-9.0	Q(75.00)=	12796.760
LOGSTR1=	-8.2	Q(37.50)=	4670.894
Isotope Corr.:	-1.955	Q(18.75)=	1429.552
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	661.607
μ_a =	3.84	A=	27045.40
μ_b =	1.37	B=	4697.868
μ_c =		C=	4207.046

The experimental measurements were analyzed using the methods described in W. H. Kirchhoff, 1972, J. Mol. Spect. **41**, 333, and W. H. Kirchhoff and D. R. Johnson, 1973, J. Mol. Spect. **45**, 159. The measurements were taken from H. M. Heise, H. Lutz, and H. Dreizler, 1973, Z. Naturforsch. **29a**, 1345. The dipole moment is an approximate value.