

Species Tag:	56006	Name:	CH ₂ DCH ₂ CN-a
Version:	2		Ethyl cyanide,
Date:	Jan. 1981		deuterium isotope on
Contributor:	R. L. Poynter		methyl carbon <i>gauche</i>
			to the CN group
Lines Listed:	1286	Q(300.0)=	121059.867
Freq. (GHz) <	480	Q(225.0)=	76736.188
Max. J:	10	Q(150.0)=	42815.391
LOGSTR0=	-9.0	Q(75.00)=	15132.134
LOGSTR1=	-8.2	Q(37.50)=	5350.569
Isotope Corr.:	-3.347	Q(18.75)=	1827.259
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	623.304
μ_a =	3.84	A=	25022.568
μ_b =	1.37	B=	4583.422
μ_c =		C=	4110.245

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. Mäder, N. M. Heise, and H. Dreizler, 1973, *Z. Naturforsch.* **29a**, 164. The dipole moment is an approximate value.