

Species Tag:	56003	Name:	C-13-H3CH2CN
Version:	2		Ethyl cyanide,
Date:	Jan. 1981		<sup>13</sup> C isotope
Contributor:	R. L. Poynter		on atom 3

Lines Listed:	1183	Q(300.0)=	115292.219
Freq. (GHz) <	524	Q(225.0)=	73080.258
Max. J:	10	Q(150.0)=	40775.586
LOGSTR0=	-9.0	Q(75.00)=	12977.773
LOGSTR1=	-8.2	Q(37.50)=	4736.962
Isotope Corr.:	-1.955	Q(18.75)=	1449.439
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	670.965
$\mu_a$ =	3.84	A=	27342.174
$\mu_b$ =	1.37	B=	4597.939
$\mu_c$ =		C=	4133.707

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 is an approximate value.