

Species Tag:	27004	Name:	C-13-N
Version:	1		Cyanide radical, X $^2\Sigma^+$
Date:	Jan. 1996		^{13}C isotope
Contributor:	H. S. P. Müller		

Lines Listed:	1218	Q(300.0)=	1385.2788
Freq. (GHz) <	2500	Q(225.0)=	1039.7457
Max. J:	23	Q(150.0)=	694.3442
LOGSTR0=	-8.0	Q(75.00)=	349.0809
LOGSTR1=	-8.0	Q(37.50)=	176.5182
Isotope Corr.:	-1.957	Q(18.75)=	90.2909
Egy. (cm^{-1}) >	0.0	Q(9.375)=	47.2688
$\mu_a =$	1.45	A=	
$\mu_b =$		B=	54343.14
$\mu_c =$		C=	

The data were taken from and have been fit according to M. Bogey, C. Demuynck, and J. L. Destombes, 1984, *Can. J. Phys.* **62**, 1248.

The dipole moment was assumed to be the same as that of the ^{12}CN isotopomer; its value was taken from R. Thomson and F. W. Dalby, 1968, *Can. J. Phys.* **46**, 53.