Species Tag:	51001	Name:	HCCCN
Version:	3		Cyanoacetylene,
Date:	June 1996		or 2-Propynenitrile
Contributor:	H. S. P. Müller		
Lines Listed:	139	Q(300.0)=	4124.495
Freq. (GHz) <	1050	Q(225.0)=	3093.536
Max. J:	115	Q(150.0)=	2062.526
LOGSTR0=	-7.0	Q(75.00)=	1031.679
LOGSTR1=	-4.4	Q(37.50)=	516.319
Isotope Corr.:	0.	Q(18.75)=	258.656
Egy. (cm^{-1}) >	0.0	Q(9.375)=	129.830
μ_a =	3.724	A=	
μ_b =		B=	4549.058
μ_c =		C=	

The set of experimental lines used in the calculation was obtained from the references in W. J. Lafferty and F. J. Lovas, 1978, J. Phys. Chem. Ref. Data **7**, 441. The dipole moment was also given in this reference. Additional lines were taken from K. M. T. Yamada, A. Moravec, and G. Winnewisser, 1996, Z. Naturforsch. **50a**, 1179.

Quadrupole splittings due to the ^{14}N nucleus are small. They are only considered for $J \leq 5$. For all other J the spin multiplicity was considered.