Species Tag:	147001	Name:	$HC_{11}N$
Version:	2		Cyanodecapentayne
Date:	Oct. 1996		
Contributor:	H. S. P. Müller		
Lines Listed:	99	Q(300.0)=	35656.4133
Freq. (GHz) <	33.5	Q(225.0)=	27406.6011
Max. J:	99	Q(150.0)=	18464.7988
LOGSTR0=	-15.0	Q(75.00)=	9244.1190
LOGSTR1=	-4.0	Q(37.50)=	4622.1729
Isotope Corr.:	-0.0548	Q(18.75)=	2311.2379
Egy. (cm^{-1}) >	0.0	Q(9.375)=	1155.7819
μ_a =	6.2	A=	
μ_b =		B=	169.0629
μ_c =		C=	

The experimental lines are from M. J. Travers, M. C. McCarthy, P. Kalmus, C. A. Gottlieb, and P. Thaddeus, 1996, Astrophys. J. **469**, L65. Because of the small rotational constant the partition function has been calculated up to $J = 350$.

Previously reported interstellar lines from M. B. Bell *et al.*, 1982, Nature **295**, 389, and M. B. Bell and H. E. Matthews, 1985, Astrophys. J. **291**, L63 are in error.

The dipole moment was estimated from an extrapolation in N. W. Broten, 1978, Astrophys. J. **223**, L105. (i.e. continuing from the series HC_7N and HC_9N.)