

Species Tag:	27003	Name:	HCN-v2
Version:	1		Hydrogen cyanide,
Date:	Aug. 1991		$\nu_2 = 1$ state
Contributor:	E. A. Cohen		

Lines Listed:	132	Q(300.0)=	141.442
Freq. (GHz) <	4322	Q(225.0)=	106.164
Max. J:	49	Q(150.0)=	70.873
LOGSTR0=	-8.7	Q(75.00)=	35.602
LOGSTR1=	-8.7	Q(37.50)=	17.971
Isotope Corr.:	0.0	Q(18.75)=	9.158
Egy. (cm^{-1}) >	716.5	Q(9.375)=	4.757
$\mu_a =$	2.942	A=	
$\mu_b =$		B=	44422.616
$\mu_c =$		C=	

The microwave data have been taken from a compilation by A. G. Maki, 1974, J. Phys. Chem. Ref. Data **3**, 221. Combination differences up to $J' = 22$ are included in the fit. These have been derived from the high-resolution FTIR spectrum of the ν_2 band reported by J. Hietanen *et al.*, 1988, J. Mol. Spect. **127**, 272. Hyperfine structure is not given for this state in the catalog. The partition function used in the calculation reflects this.