

Species Tag:	41006	Name:	CH2DCCH
Version:	2		Propyne,
Date:	Aug. 1983		deuterium isotope
Contributor:	R. L. Poynter		on methyl carbon

Lines Listed:	223	Q(300.0)=	4428.943
Freq. (GHz) <	244	Q(225.0)=	2874.750
Max. J:	15	Q(150.0)=	1633.428
LOGSTR0=	-9.2	Q(75.00)=	904.899
LOGSTR1=	-5.1	Q(37.50)=	410.299
Isotope Corr.:	-3.347	Q(18.75)=	156.171
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	55.873
μ_a =	0.750	A=	117744.370
μ_b =		B=	8155.784
μ_c =		C=	8025.577

The experimental measurements are from L. F. Thomas, E. I. Sherrard, and J. Sheridan, 1955, Trans. Farady. Soc. **54**, 619. The dipole moment was assumed to be the same as for the parent species for this calculation.