

Species Tag:	45009	Name:	DCP
Version:	1		Methylidyne-
Date:	April 1994		phosphine,
Contributor:	H. M. Pickett		X $^1\Sigma^+$,
			Deuterium isotope
Lines Listed:	34	Q(300.0)=	364.754
Freq. (GHz) <	1154	Q(225.0)=	275.867
Max. J:	34	Q(150.0)=	184.374
LOGSTR0=	-5.5	Q(75.00)=	92.363
LOGSTR1=	-3.6	Q(37.50)=	46.345
Isotope Corr.:	-3.824	Q(18.75)=	23.340
Egy. (cm^{-1}) >	0.0	Q(9.375)=	11.841
μ_a =	0.397	A=	
μ_b =		B=	16984.4
μ_c =		C=	

The rotational lines are from J. W. C. Johns, J. M. R. Stone, and G. Winnewisser, 1971, J. Mol. Spect. **38**, 437. The dipole moment is assumed to be the same as the parent isotopic species.