

Species Tag:	44010	Name:	HCP
Version:	1		Methylidyne-
Date:	April 1994		phosphine,
Contributor:	H. M. Pickett		X $^1\Sigma^+$
Lines Listed:	34	Q(300.0)=	312.033
Freq. (GHz) <	1355	Q(225.0)=	234.963
Max. J:	34	Q(150.0)=	156.856
LOGSTR0=	-5.3	Q(75.00)=	78.578
LOGSTR1=	-3.6	Q(37.50)=	39.455
Isotope Corr.:	0.0	Q(18.75)=	19.898
Egy. (cm^{-1}) >	0.0	Q(9.375)=	10.120
μ_a =	0.039	A=	
μ_b =		B=	19976.0
μ_c =		C=	

The rotational transitions and dipole moment are from J. K. Tyler, 1964, J. Chem. Phys. **40**, 1170. Additional rotational lines are from J. W. C. Johns, J. M. R. Stone, and G. Winnewisser, 1971, J. Mol. Spect. **38**, 437.