

Species Tag:	42004	Name:	CaD
Version:	1		$^{40}\text{Ca}^2\text{H}$ isotope
Date:	Mar. 1995		$X^2\Sigma^+$ state
Contributor:	H. M. Pickett		

Lines Listed:	501	Q(300.0)=	579.162
Freq. (GHz) <	4650	Q(225.0)=	434.410
Max. J:	39	Q(150.0)=	290.001
LOGSTR0=	-7.7	Q(75.00)=	145.848
LOGSTR1=	-8.0	Q(37.50)=	73.909
Isotope Corr.:	-3.8376	Q(18.75)=	37.993
Egy. ( $\text{cm}^{-1}$ ) >	0.0	Q(9.375)=	20.100
$\mu_a =$	1.0	A=	
$\mu_b =$		B=	625623.19
$\mu_c =$		C=	

The rotational data are from C. I. Frum, J. J. Oh, E. A. Cohen, and H. M. Pickett, 1993, *Astrophys. J.* **408**, L61-64. The dipole moment used is arbitrary.