

Species Tag:	14004	Name:	CD
Version:	1		<sup>2</sup> H-Methyldiyne
Date:	April 2009		X <sup>2</sup> Π states
Contributor:	B. J. Drouin		
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Lines Listed:	188	Q(300.0)=	318.5597
Freq. (GHz) <	1863	Q(225.0)=	237.1778
Max. J:	4	Q(150.0)=	156.1106
LOGSTR0=	-12.0	Q(75.00)=	75.9504
LOGSTR1=	-12.0	Q(37.50)=	37.3039
Isotope Corr.:	0.	Q(18.75)=	19.6247
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	11.8284
$\mu_a$ =	1.46	A=	
$\mu_b$ =		B=	230895.031
$\mu_c$ =		C=	

The laboratory spectra of Halfen D.T., *et al.* Ap. J. 687(1), 731-736, 2008, were fit to a Hund's case (b) Hamiltonian with fine and hyperfine structure parameters. The dipole moment for the main isotopomer was taken from D. J. Phelps and F. W. Dalby, 1966, Phys. Rev. Lett. **16**, 3.