

Species Tag:	4001	Name:	H2D+
Version:	1		
Date:	Oct. 1989		
Contributor:	H. M. Pickett		
Lines Listed:	19	Q(300.0)=	73.824
Freq. (GHz) <	5539	Q(225.0)=	49.477
Max. J:	5	Q(150.0)=	27.530
LOGSTR0=	-7.2	Q(75.00)=	9.727
LOGSTR1=	-3.4	Q(37.50)=	3.102
Isotope Corr.:	-3.347	Q(18.75)=	1.215
Egy. (cm^{-1}) >	0.0	Q(9.375)=	1.004
μ_a =	0.6	A=	1299960.
μ_b =		B=	873685.
μ_c =		C=	491480.

The frequency fit included rotational lines measured by M. Bogey *et al.*, 1984, Astron. Astrophys. **137**, 137, and Saito *et al.*, 1985, J. Chem. Phys. **82**, 45. Infrared combination differences from T. Amano and J. K. G. Watson, 1984, J. Chem. Phys. **81**, 2869, were also used.