pi	nu 0	e	h bar	m sub e	a0	c	mp
3.1415927E+00	1.2566371E-06	1.6021892E-19	1.0545888E-34	9.1095345E-31	5.2917706E-11	2.9979246E+08	1.6726486E-27
	epsilon 0	eV/cm^-1			aH		md
	8.85E-12	0.000123985			5.29465E-11		3.3435860E-27
					aD		
					5.29321E-11		
a (m)	b (m)	c' (m)	2c' (m)	eccentricity			
4.4112E-10	4.2769E-10	1.0804E-10	2.1607E-10	0.2449			
8.3360	8.0821	2.0416	4.0831				
4							
0.5							
	Ve (eV)	Vp (eV)	T (eV)	Vm (eV)	Et (eV)		
	-2.6656551E+01	2.6657557E+01	7.9944079E-01	-7.9944079E-01	0.001006226		
Evib (0) (eV)	w (s-1)	EK (eV)					
0.009156278	3.43541E+15	2.261245239					
	EDoppler (eV)	H2 Eocs (eV)	H2 ET (eV)				
	-2.99345E-06	-0.004581132	-0.005587358				
	Eq.(14.242)						
	-0.6562	2.286590324	bond angle radians				
		131.011975	bond angle °				
H2 MO vibration	w(0) (s-1)						
	5.3755496E+00						
	2.786180325						
k(0)	2.58936923	Evib(0) (eV)					
		1.39107E+13	0.009156278				
u							
8							