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			
2.72526E-10	2.58959E-10	8.49160E-11	1.69832E-10	0.31159			
5.15000	4.89362	1.60468	3.20936				
0.81724779							
0.5							
	Ve (eV)	Vp (eV)	T (eV)	Vm (eV)	Et (eV)		
	-8.9333565E+00	8.4788235E+00	8.6731626E-01	-4.3365813E-01	-0.020874946		
Evib (0) (eV)	w (s-1)	EK (eV)					
0.030096182	3.06341E+15	2.016387595					
	EDoppler (eV)	H2 Eocs (eV)	H2 ET (eV)				
	5.86429E-05	-0.014989448	0.005885498				
	Eq.(14.242)						
					angle from the verticle		
	-0.18560	1.757476589	bond angle radians		1.85293	H distance from center of base	
		100.6959912	bond angle °		0.95418	verticle height	
					1.09525196	angle radians	
					62.7533148	angle °	
H2 MO vibration	w(0) (s-1)						
	4.2744040E+00						
	2.525931287						
k(0)	1.748472762	Evib(0) (eV)					
		4.57238E+13	0.030096182				