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		
			1.0120E-10		5.29321E-11		
a (m)	b (m)	c' (m)	2c' (m)	eccentricity			
7.13066E-11	4.89633E-11	5.18385E-11	1.03677E-10	0.72698			
1.34750	0.92527	0.97961	1.95921				
1							
2.25							
0.712153921							
	Ve (eV)	Vp (eV)	T (eV)	Vm (eV)	Et (eV)		
Evib NH3 (cm^-1) v3	-115.28799	41.66718	42.77848	-21.38924	-66.76571	14.53414	
3443.59						13.605804	
Evib NH3 (eV)					-66.76616	0.936127215	-52.23202
0.426954					match 3XH2+N+H		
						r 7	
Evib ND3 (cm^-1)	w (s-1)	EK (eV)				0.93084	
2563.96	5.68887E+16	37.44514					
Evib ND3 (eV)							
0.317893	same as ch3						
		0.50850					
	EDoppler (eV)	NH3 Eocs (eV)	NH3 ET (eV)	NH3 ED (eV)	ED (kcal/mole)	Rel. Error	
	0.38298	0.16950	67.27466	4.57913	105.59905	0.00487	
		ND3 Eocs (eV)	ND3 ET (eV)	ND3 ED (eV)	ED (kcal/mole)	Rel. Error	
		0.22403	67.43780	4.64499	107.11778	0.01433	
		0.67209					
			angle of intersection				
			-0.436667596				
cm-1/eV			2.022687433				
1.239810E-04			115.8914532				
kcal/mole/ev		theta N	64.10854683				
4.336340E-02			1.118905221				
kJ/mole/eV			0.905036279				
1.036410E-02			1.131465008				
		theta H2 MO	64.82816963				
		dH2 MO	0.57314	3.03292E-11			
Do H-NH2	Do D-ND2	dN AO	0.40647	2.15093E-11			
37115	38010						
4.60155	4.71252						
ET NH3	ET ND3						
-67.29708	-67.50533						
Do H-NH	Do D-ND						
91							
380.744							
3.94607	3.93624						
ET NH2	ET ND2						
-49.09709	-49.18981						
Do H-N	Do D-N						
	339						
3.42	3.51343						
ET NH	ET ND						
-31.55258	-31.65057						