

H2 and D2

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				aH		md
	8.85E-12				5.29465E-11		3.3435860E-27
					aD		
					5.29321E-11		
a (m)	b (m)	c' (m)	2c' (m)				
5.2917706E-11	3.74185E-11	3.74185E-11	7.48369E-11				
	Ve (eV)	Vp (eV)	T (eV)	Vm (eV)	Et (eV)		
	-67.83584356	19.2415125	33.9179255	-16.95896275	-31.63536831		
Evib (0) (eV)	w (s-1)	EK (eV)					
0.56763688	4.13414E+16	27.21160943					
Evib (0) (eV)							
0.401379887							
	EDoppler (eV)	H2 Eocs (eV)	H2 ET (eV)	H2 ED (eV)	H2 IP 1 (eV)		
	0.326473596	0.042655156	31.67802347	4.478023468	15.424814		
		D2 Eocs (12.295) (eV)	D2 ET (eV)	D2 ED (eV)	D2 IP1 (eV)		
		0.125783652	31.76115196	4.556151965	15.4627		
				ET 2H (eV)			
				27.19679609			
				ET 2D (eV)			
				27.2041962			