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		h		aH		
	8.854188E-12		6.626176E-34		5.29465E-11		
	u Cl35-Cl35						
	17.5	2.92714E-26					
					D0		
					2.5715		
		Cl2	w(0) (radians/s)		-41480.75409	1720652960	89352219.32
			336.28		5.3170078E+02		
eV/cm^-1			35.09				
0.000123985		k(0)	301.19	Evib(0) (eV)	Exp we (cm-1)		
			1.01438E+14	0.06677	559.7		
				538.52	Exp (cm-1)		
				531.70	535.55		
				Evib(1) (eV)	Exp (eV)		
				0.0659	0.0664		
	In CQM w0x0 replaces wexe						
	w0x0 (cm-1)						
	Cl2						
	3.41						
	Cl2 rot	6.00172E-05	eV				
	Cl2 Be	0.2420	cm-1				