

pi	nu 0	e	h bar	m sub e	a0	c	mp	sqrt(.75)	alpha	epsilon 0	
3.1415927E+00	1.2566371E-06	1.6021892E-19	1.0545888E-34	9.1095345E-31	5.2917706E-11	2.9979246E+08	1.6726486E-27	8.6602540E-01	7.2973526E-03	8.854187817E-12	
	epsilon 0	uB	eV/cm^-1		aH		md	mag mom p			
	8.85E-12	9.27E-24	0.000123985		5.29465E-11		3.3435860E-27	1.4106067100E-26			
						p. 17 CODATA 2006					
E spin-orbital (J)	E spin-orbital (eV)	E spin-orbital (MHz)	E fine structure (J)	E fine structure (eV)	E fine structure (MHz)	Exp E fine structure (MHz)	MHz difference	% dif (exp-theory)/exp			
7.24043E-24	4.51909E-05	10927.02	7.26789E-24	4.53623E-05	10968.46	10969.05	0.59	0.005			
	r	r(aH)	Eele (J)	Emag (J)	shift (J)	shift (eV)	f (MHz) radiation reaction				
electron radiation reaction	1.05893E-10	1.99999990	2.76347E-26	-1.74098E-28	2.74606E-26	1.71394E-07	41.44				
	1.05893E-10	2.00000000									
				Emag (J)							
				-1.74095E-28							