

nu 0	e	h bar	m sub e	a0	m u	alpha	3/4^1/2
1.2566371E-06	1.60217653E-19	1.05457168E-34	9.1093826E-31	5.291772108E-11	1.88353140E-28	7.2973526E-03	8.6602540E-01
			c		muon Bohr magneton		epsilon 0
			2.99792458E+08	au	4.48521854984E-26		8.854187817E-12
				5.3173648731E-11			
					mag mom u exp		
					4.49044799E-26		
			Nist electron magnetic moment				
			9.28476412000E-24				
r-(2) (m) (Eq. (2.140))	r+(2) (m) (Eq. (2.139))						
5.31736116E-11	5.31736859E-11		Bohr magneton				
			9.27400949E-24				
E ele (J) (Eq. (2.149))	E mag moment (J) (Eq. (2.148))	electron Emag fields (J) (Eq. (2.151))	muon Emag fields (J) (Eq. (2.152))				
3.02903048E-24	-6.02890320E-24	4.23209178E-26	1.36122030E-28				
E Total (J) (Eq. (2.153))	Wavelength (cm) (Eq. (2.155))						
-2.95741568E-24	6.71682919						
	Exp. Wavelength (cm)						
	6.71682998						
Exp. Frequency (Hz)	Cal. Frequency (Hz) (Eq. (2.154))						
4.46330277E+09	4.46330328E+09						
Exp. E (J)							
2.957415336E-24		r-(1) (m) (Eq. (2.147))	r+(1) (m) (Eq. (2.146))				
		8.99224822E-12	8.99225657E-12				
Exp. E (eV)							
1.84587359E-05							
Cal. E (eV)							
1.84587380E-05							
Cal. E -Exp. E (eV)							
2.14525775E-12							
(Cal. E-Exp. E)/Cal.							
1.16219104E-07							