SpeedOfLight  $c \equiv 299792458 \text{ m/s}$  $h \equiv 6.62607015 \times 10^{-34} \text{ Js}$ PlanckConstant

PlanckHbar  $\hbar \equiv h/(2\pi)$  $e_e \equiv 1.602176634 \times 10^{-19} \text{ C}$ ElectronCharge

FineStructureConstant  $\alpha = 1/137.035999084$ 

 $m_e = 0.51099895000 \times 10^6 \text{ eV}$ ElectronMass ElectronRadius classical radius of electron in  $m_r r_e \equiv \alpha \hbar c / (e_e m_e)$ 

Physical constants available in FFS are:

 $m_p = 938.27208816 \times 10^6 \text{ eV}$ ProtonMass ProtonRadius

classical radius of proton in m  $\mu_0 \equiv 2\alpha h/(ce_a^2)$ SIMu0

BoltzmannConstant

SIEpsilon0 ElectronGminus2over2

 $\varepsilon_0 \equiv 1/(\mu_0 c^2)$ (g-2)/2 of electron = 0.001159652181280002  $1.380649 \times 10^{-23} \text{ J/K}.$