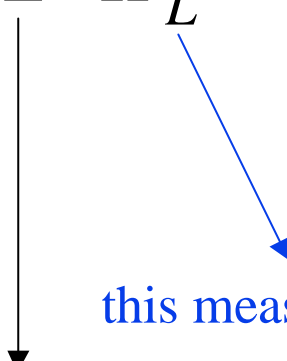


Electron Mass in Atomic Units:

$$\frac{\left(m/e\right)^e}{\left(M/q\right)^{ion}} = \frac{g}{2} \frac{\mathbf{n}_c^{ion}}{\mathbf{n}_L^e}$$



theory (QED)
H. Persson, T. Beier

this measurement: $m_e = 0,000\,548\,579\,909\,2\,(5)\,u$

CODATA 1998: $m_e = 0,000\,548\,579\,911\,1\,(12)\,u$
(Van Dyck et al.)

[atomic mass unit: $u = 1/12\,M(^{12}\text{C})$]