First experiment by J. J. Thomson (1897)
Method used here: velocity selector

Equilibrium of forces: $eE = evB \quad \Rightarrow \quad v = \dfrac{E}{B}$

Work-energy relation: $eV = \dfrac{1}{2}mv^2 \quad \Rightarrow \quad v = \sqrt{\dfrac{2eV}{m}}$

Eliminate v: $\dfrac{e}{m} = \dfrac{E^2}{2VB^2} \simeq 1.76 \times 10^{11}\,\mathrm{C/kg}$