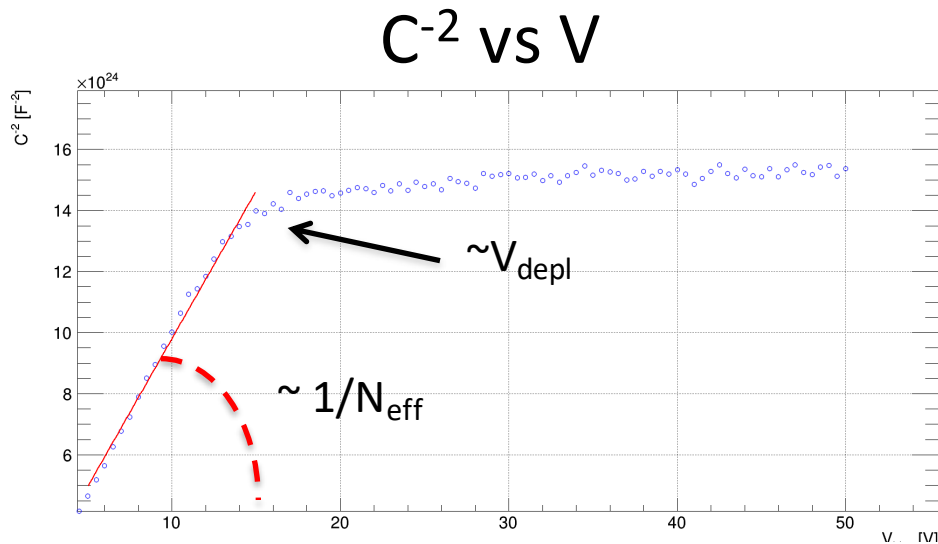


# CV analysis: observables



$$C = \frac{A\epsilon_0\epsilon_{sc}}{w} \sqrt{\frac{V_{depl}}{V}} = A \sqrt{\frac{qN_{eff}\epsilon_0\epsilon_{sc}}{2} \frac{1}{V}}$$



$$N_{eff} = 2 \frac{\left( \frac{d(C^{-2})}{dV} \right)^{-1}}{q\epsilon_0\epsilon_{sc}A^2}$$

log<sub>10</sub>(C) vs log<sub>10</sub>(V)

