# LongBo Analysis Update

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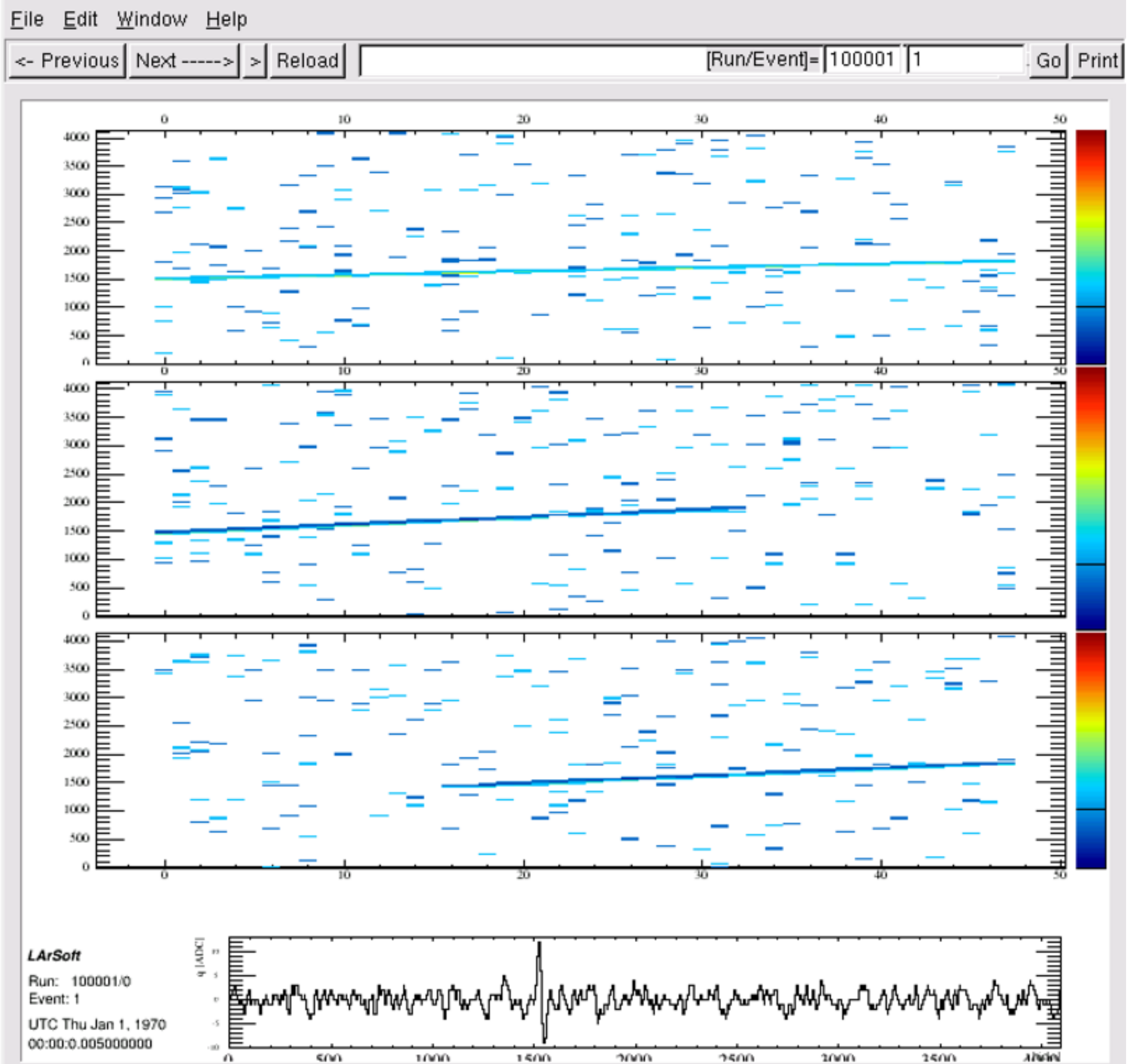
Jun 24, 2014

- I generated some single muons using LongBo geometry.
  - Added TPCActive volume to longbo.gdml
  - 10000 single muons, p = 6 GeV/c.
  - $50<x<150$ cm, $y = z = 0$ cm
  - $50<\theta<70$, $\phi=0$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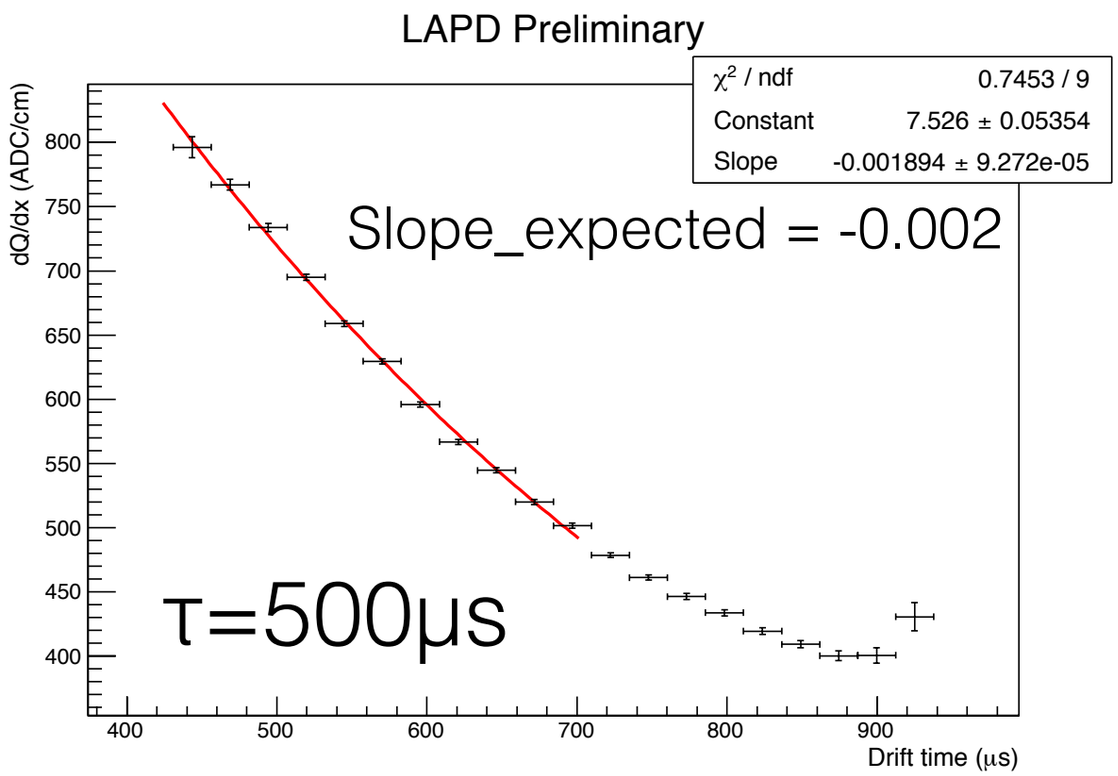
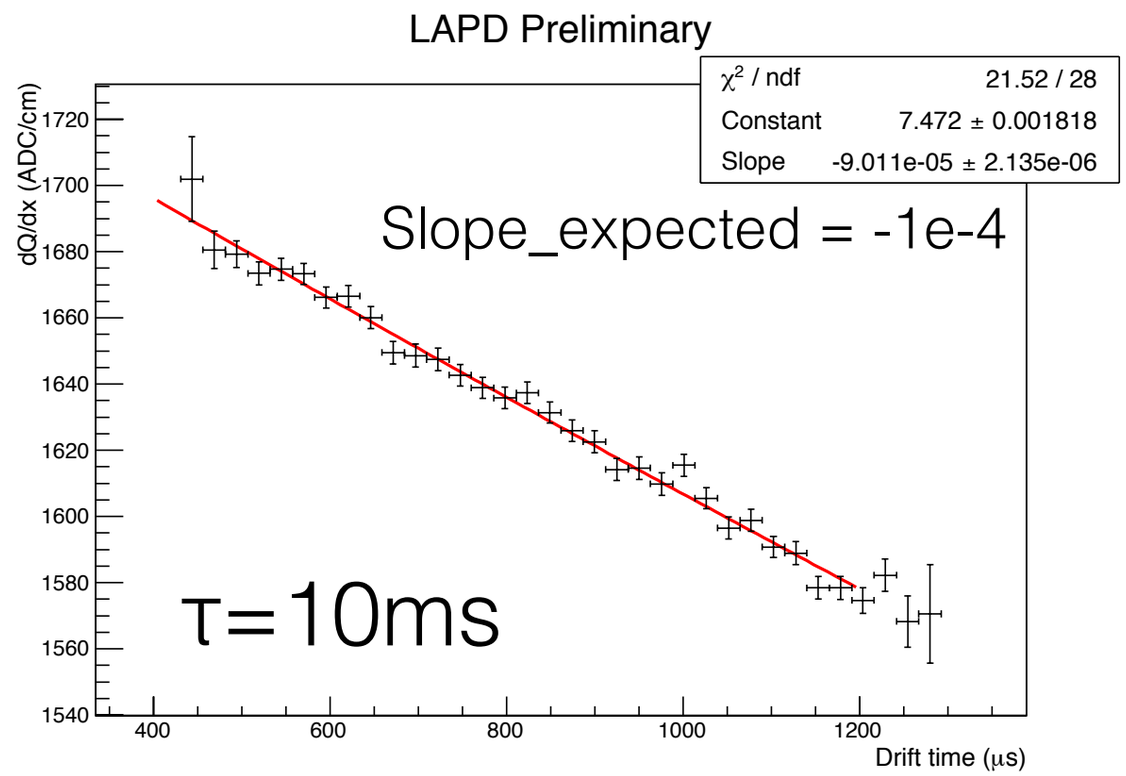
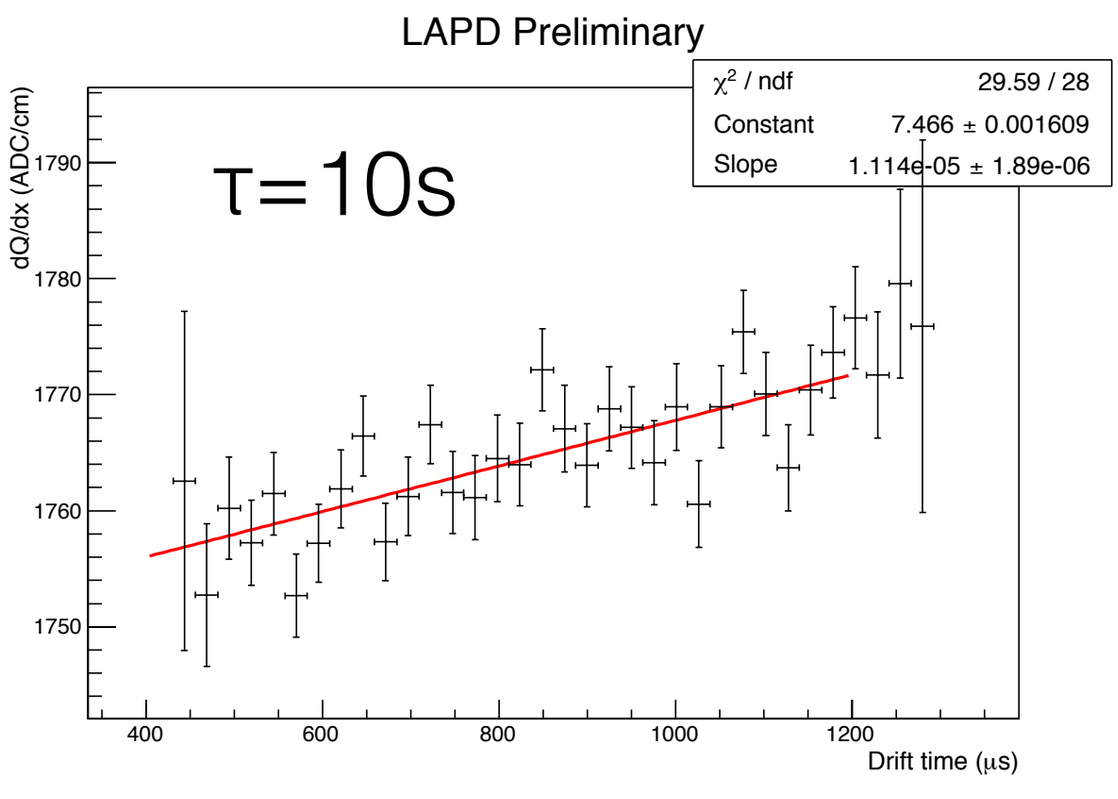
# Vary electron lifetime

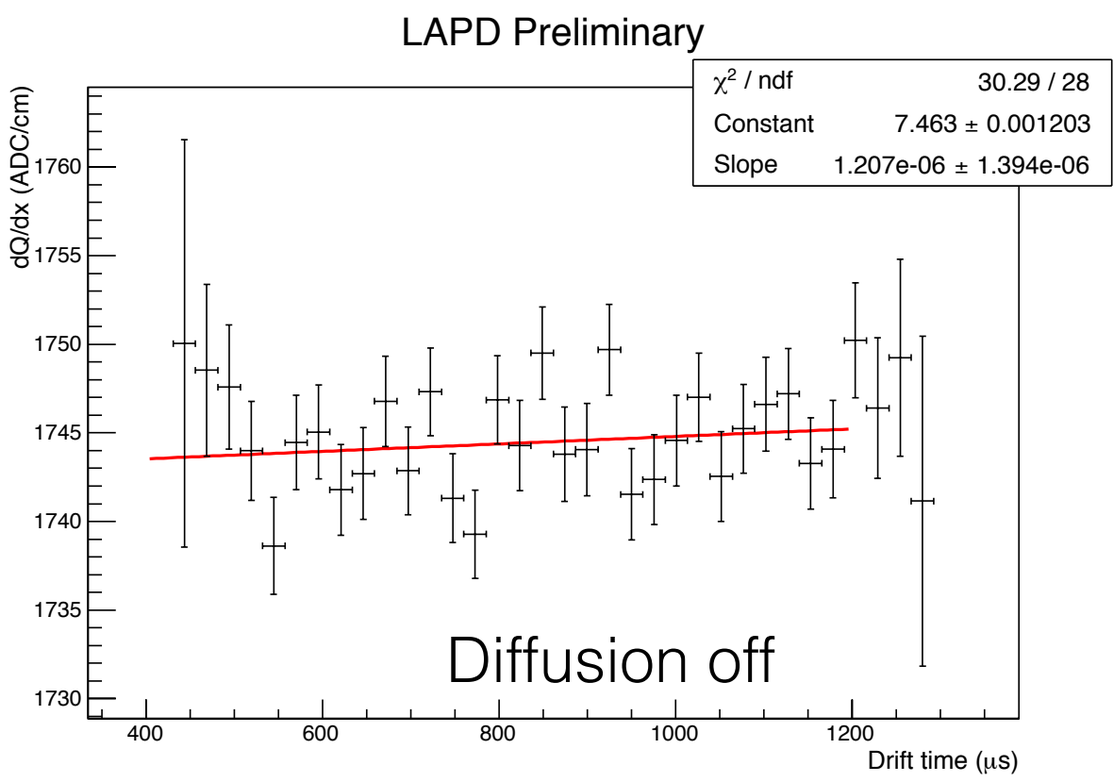


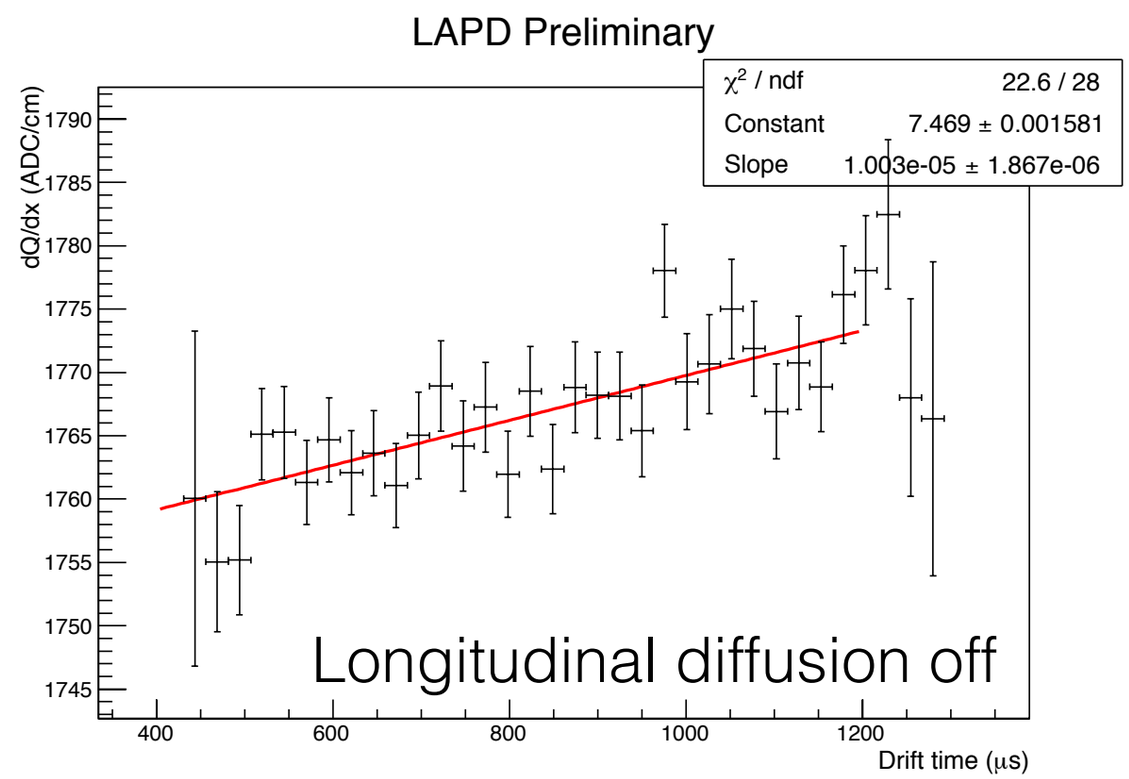



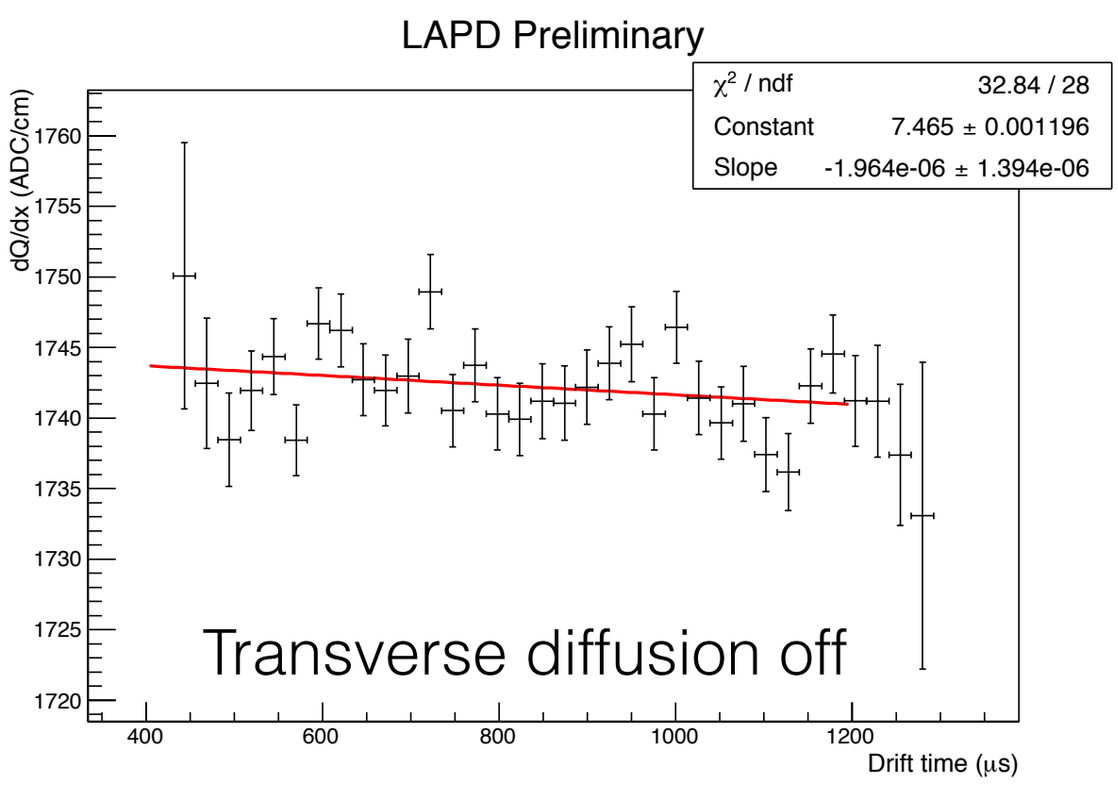



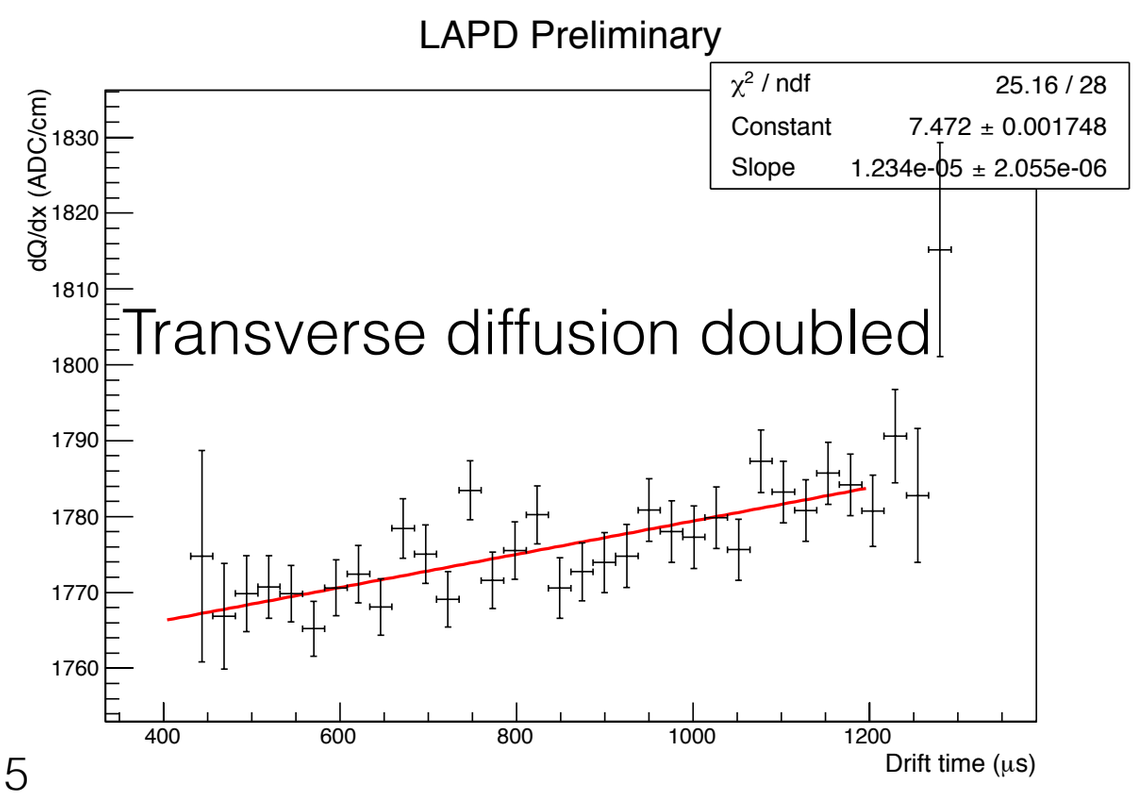

Slope_expected = -1e-7

# Vary diffusion

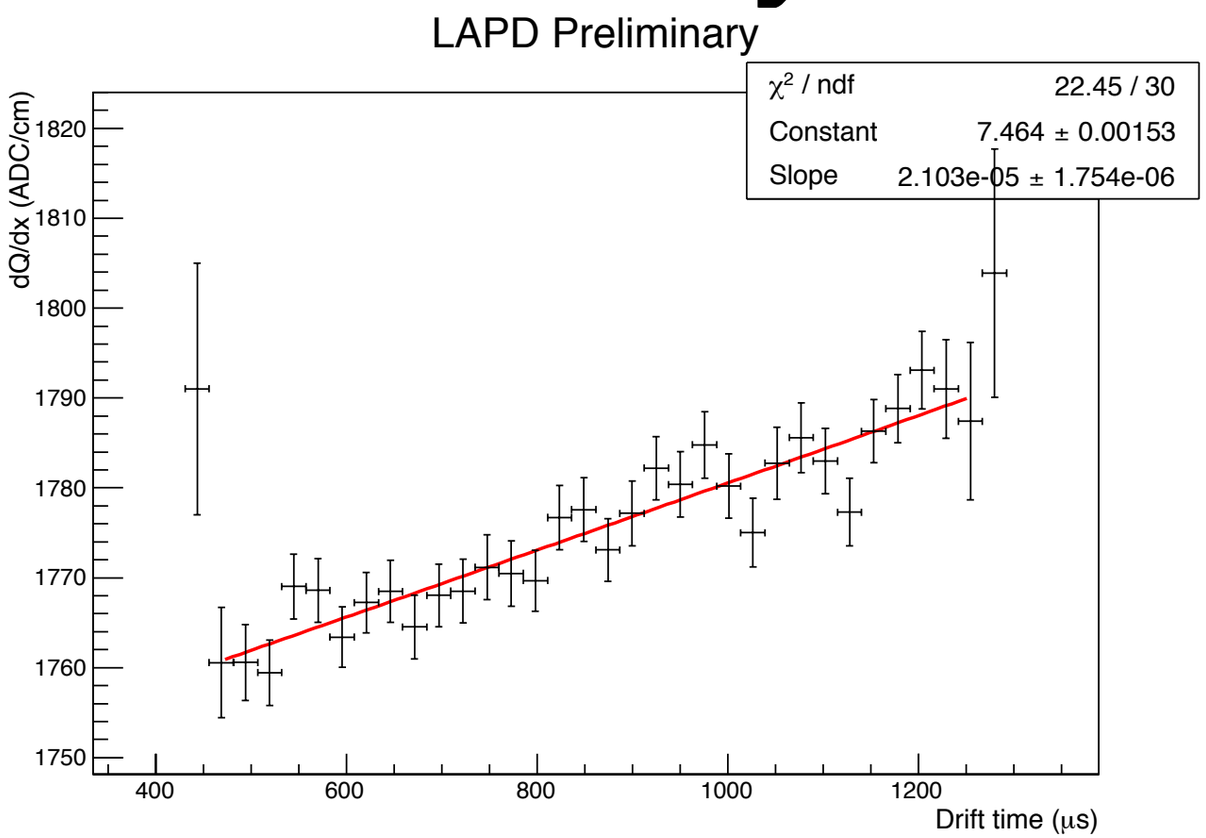


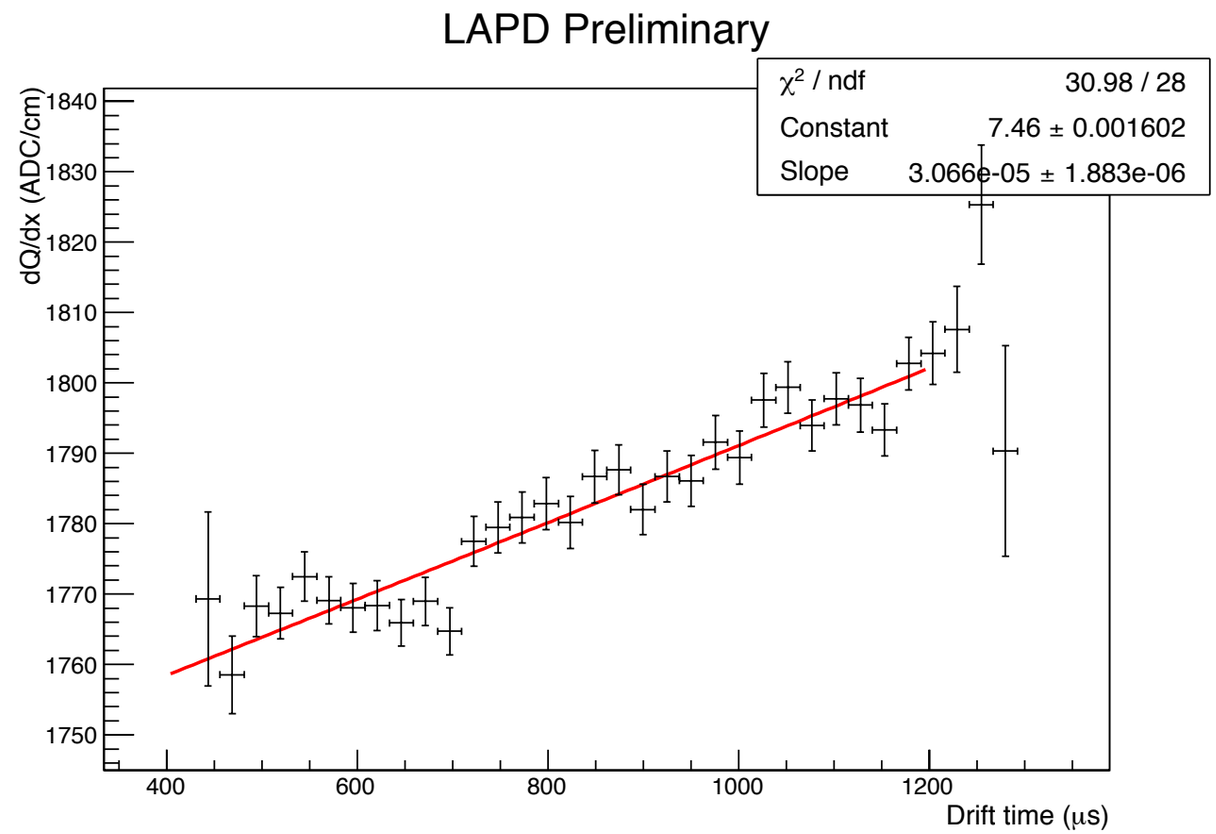



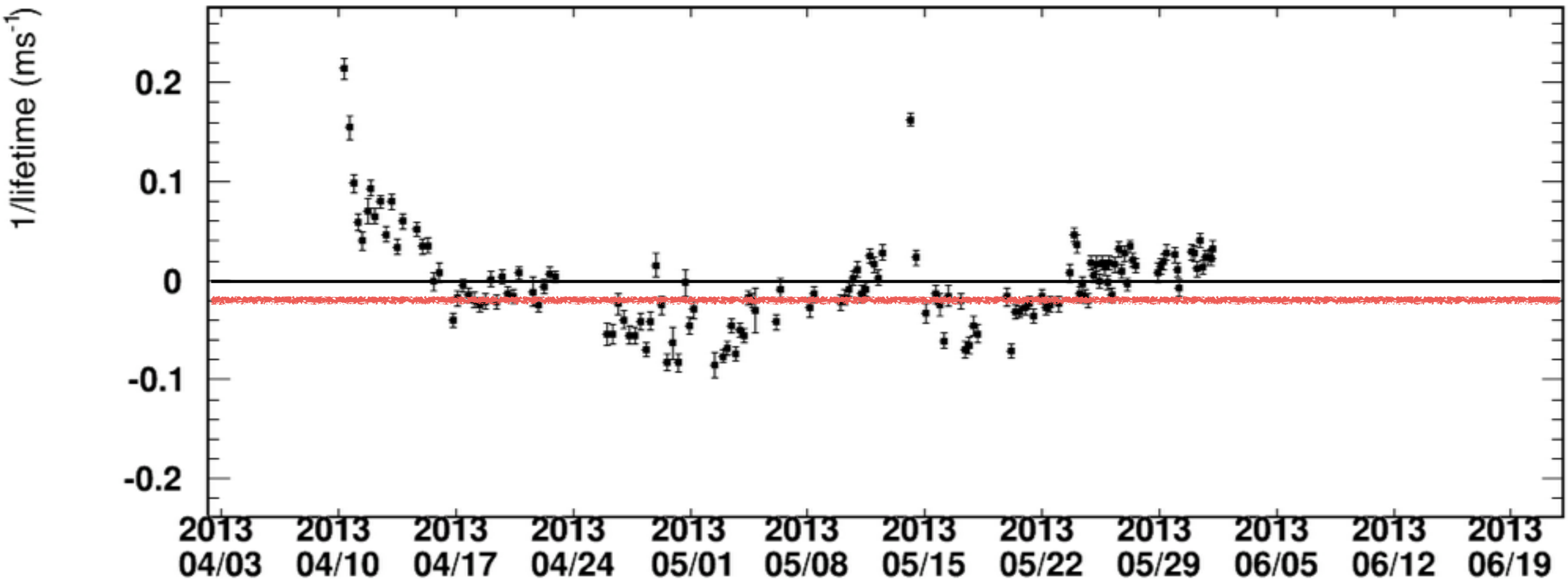
# Vary Electric-field




10% increase in E-field over 2m

20% increase in E-field over 2m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