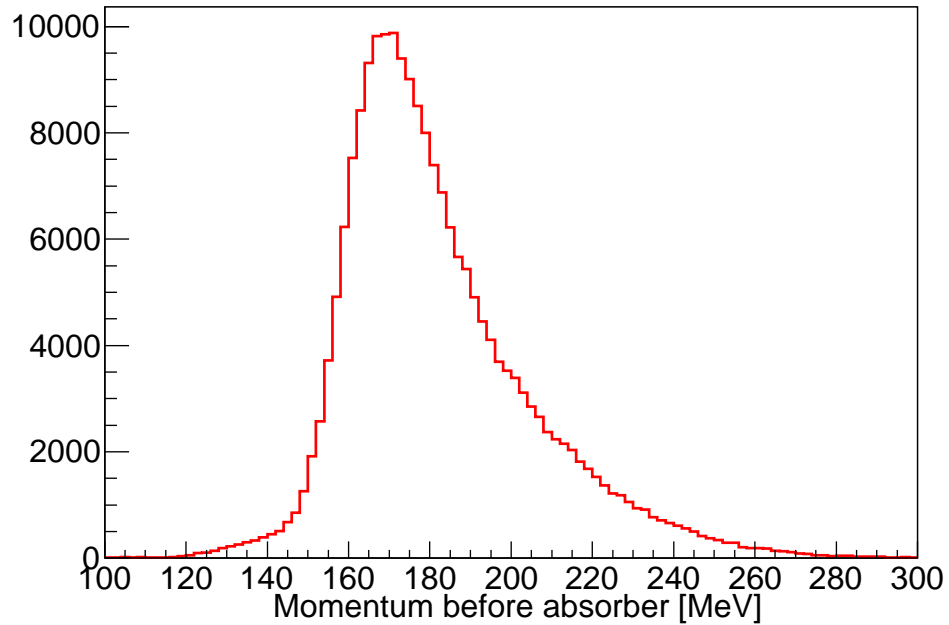
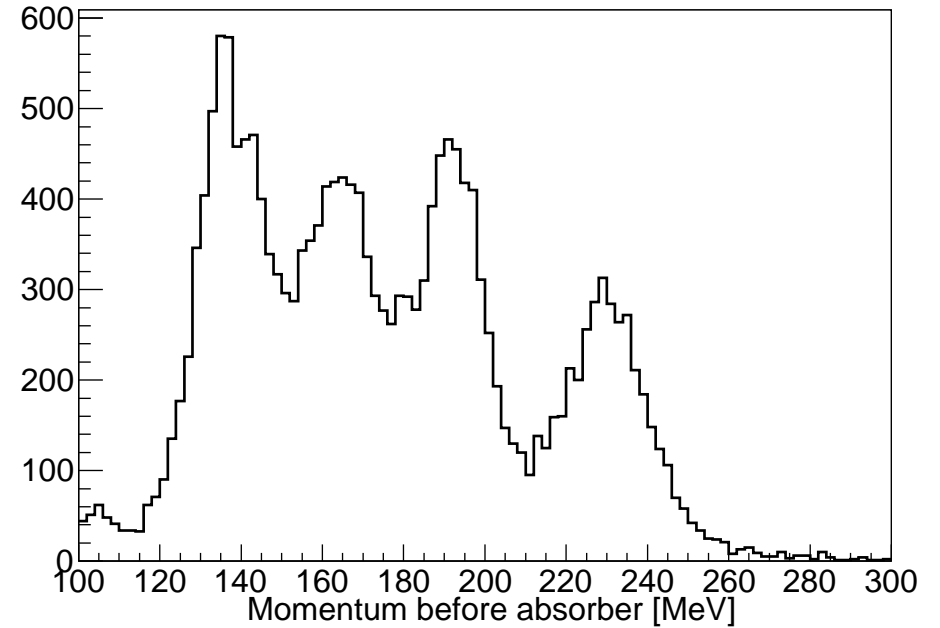


# MC and Data

MC



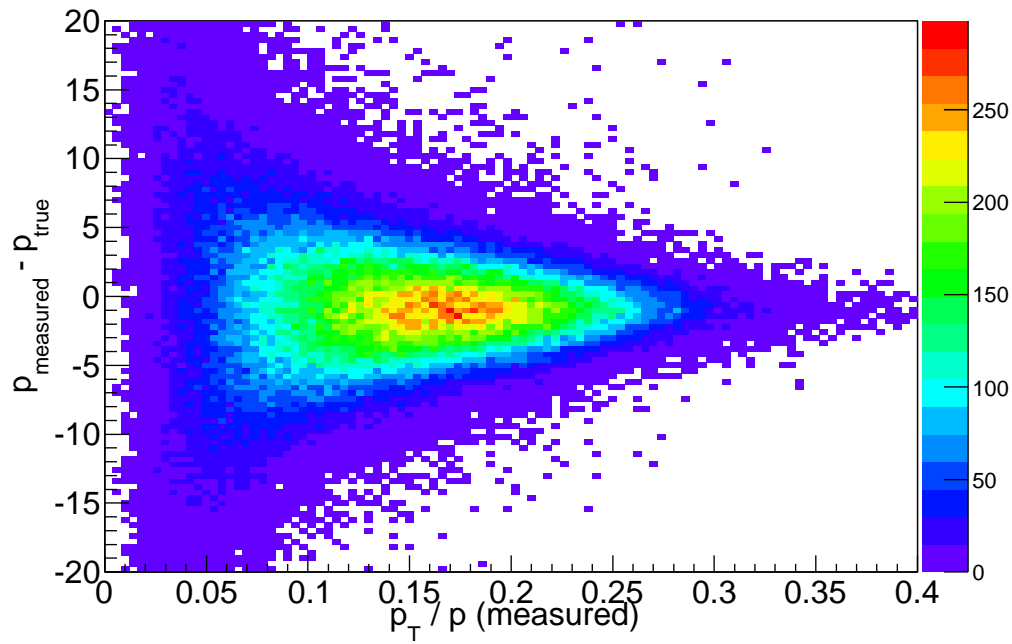
Data



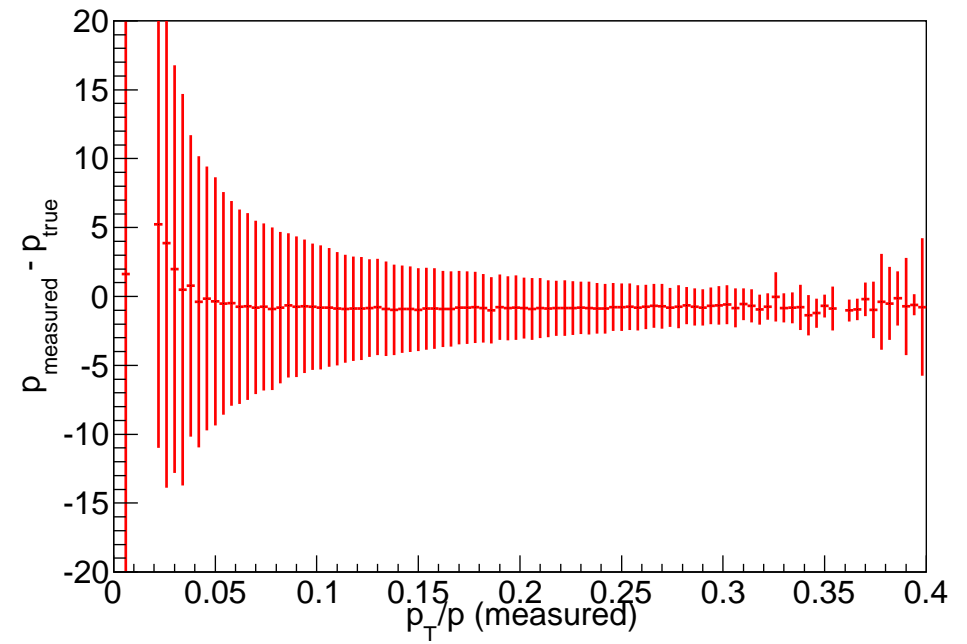
- MC is based on run 7469 beam, with and without absorber
- Data is one run at each momentum (140, 170, 200, 240) with and without absorber

# Data Quality Cuts

Mismeasurement of Straight Tracks

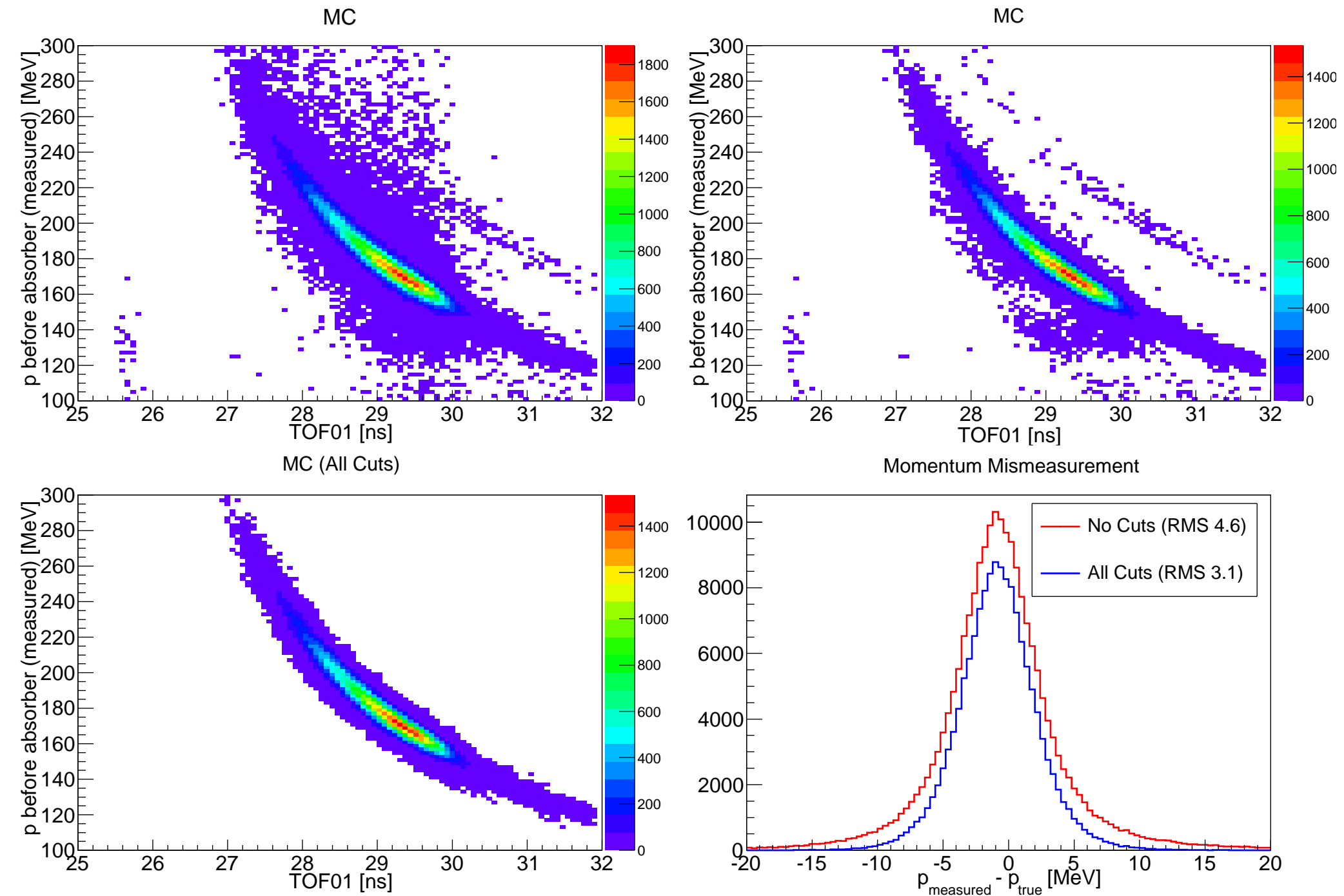


Mismeasurement of Straight Tracks



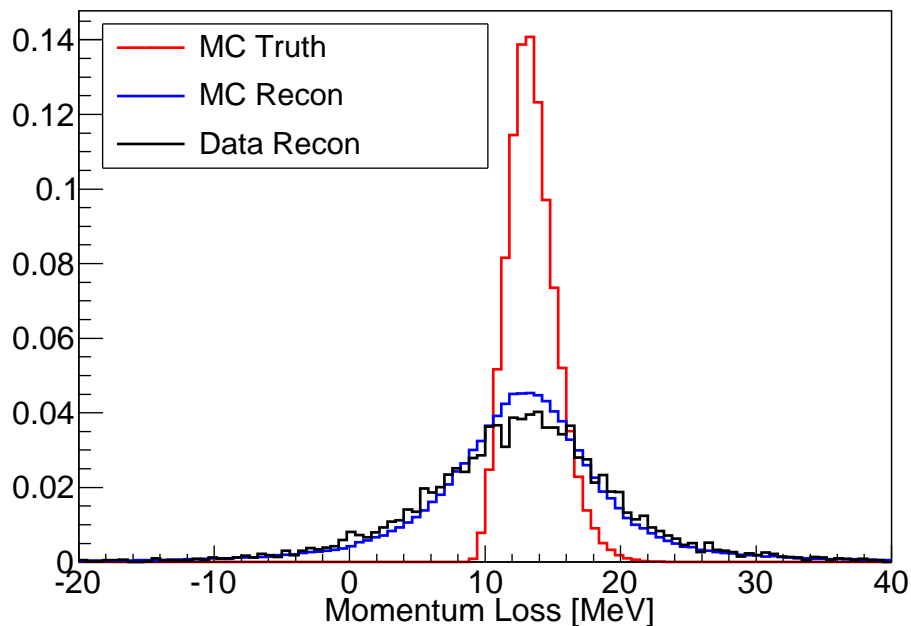
- Trackers measure transverse momentum, have trouble with straight tracks
- Trying a cut on  $p_T/p > 0.1$
- Also using PID cuts (calculated mass between 95 and 115)

# Effect of Cuts

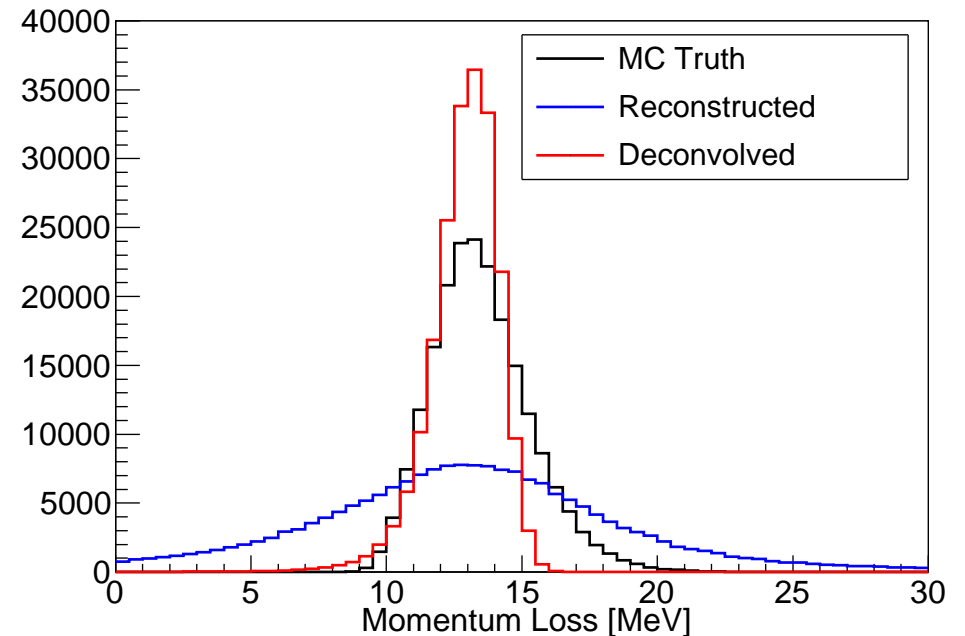


# Deconvolution

LiH Absorber



Momentum Loss Deconvolution



- Still wrestling with deconvolution. Might just not work.
- RMS of absorber energy loss often lower than RMS of empty energy loss
- ‘reverse landau’ seems robust against various cuts and methods