

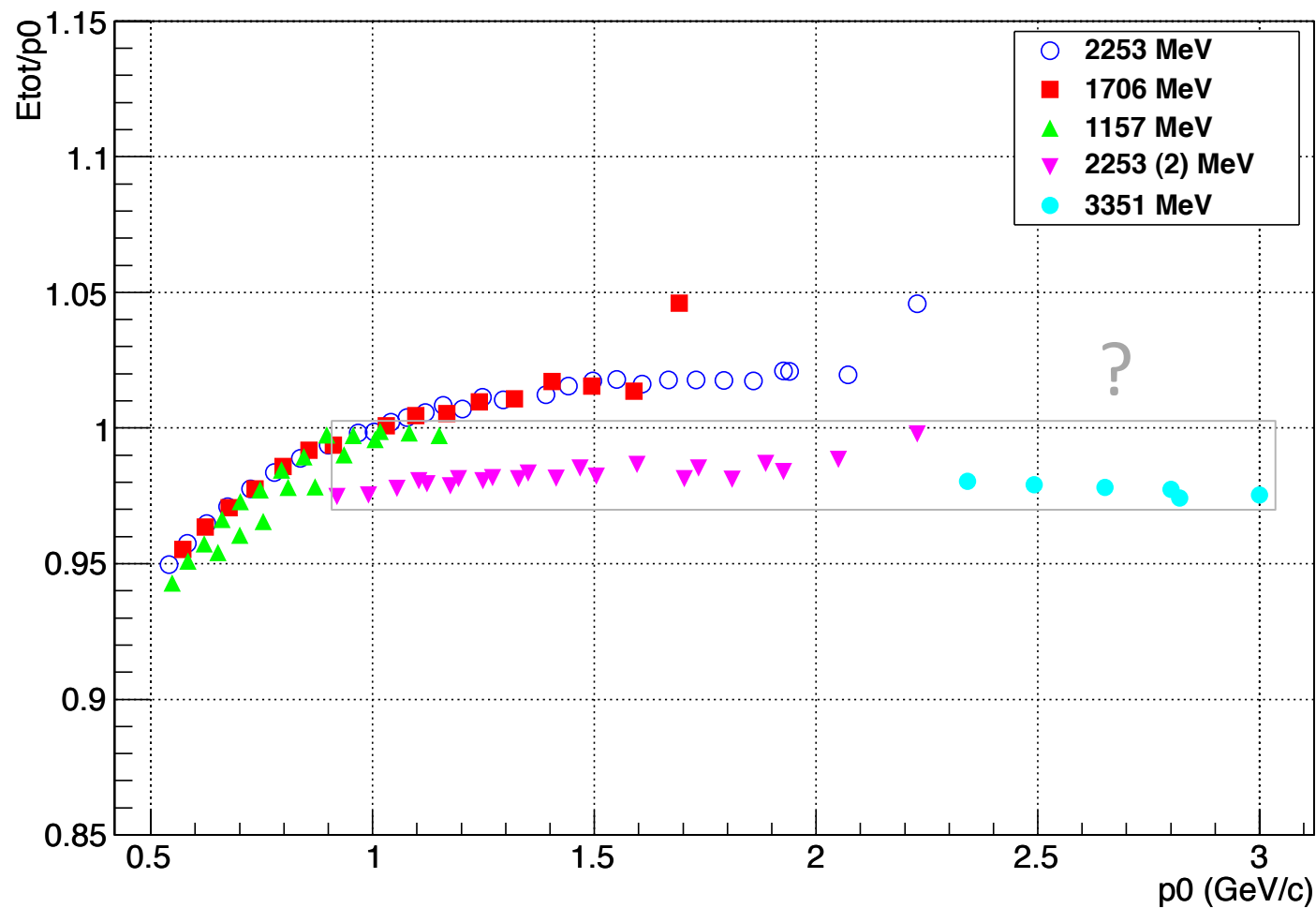
# Status of Lead Glass Calibrations

Melissa Cummings

11/06/12

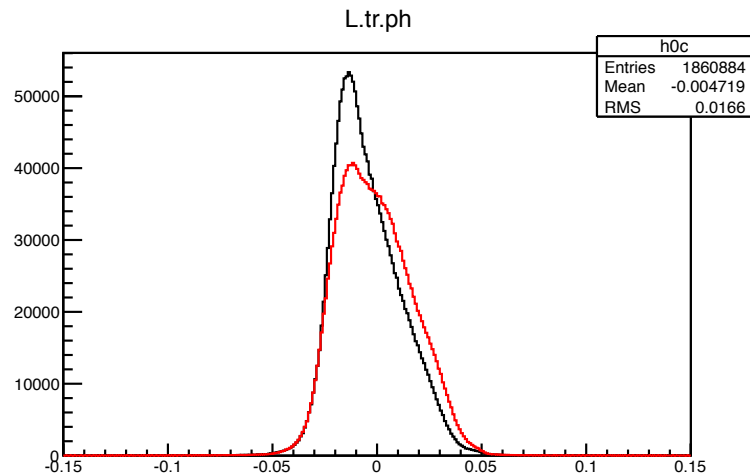
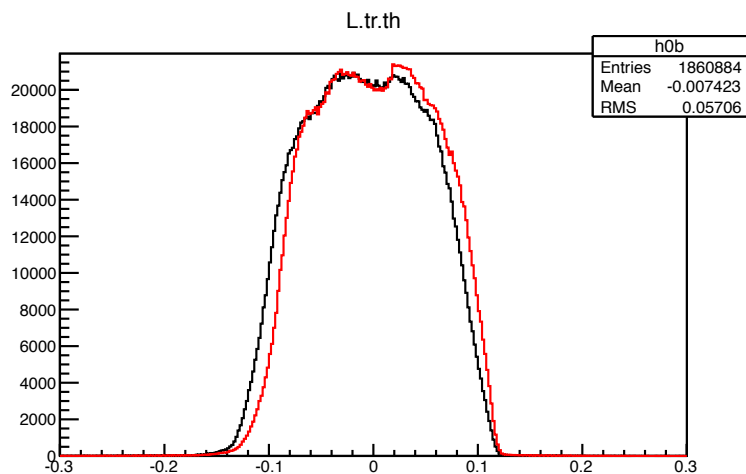
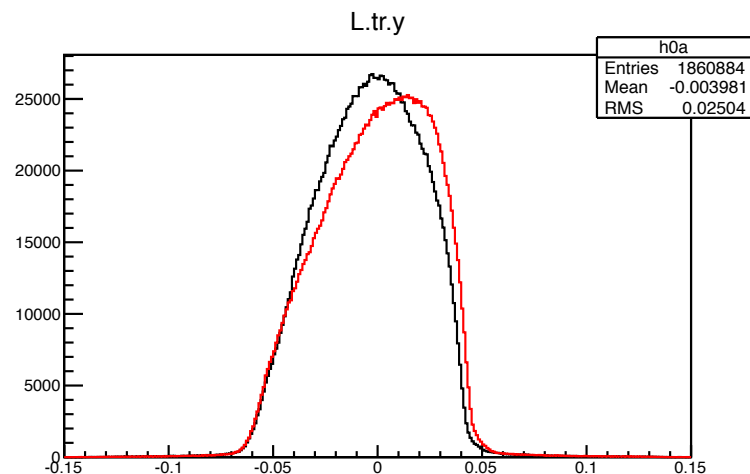
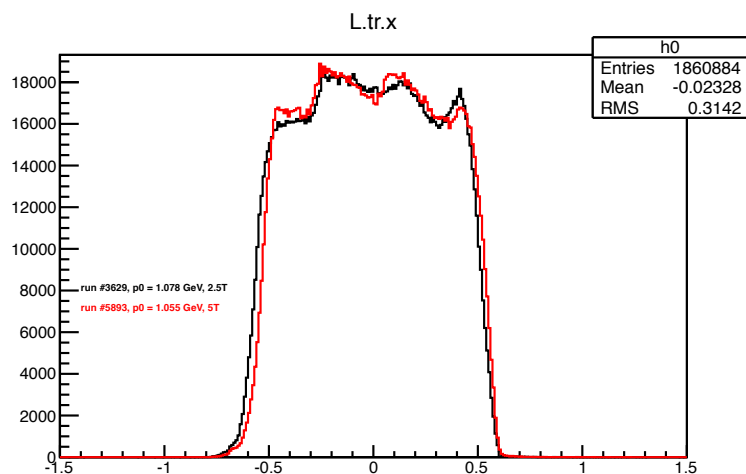
# LHRS: 90/10 Split Method

## LHRS Pion Rejector Calibration Stability Check

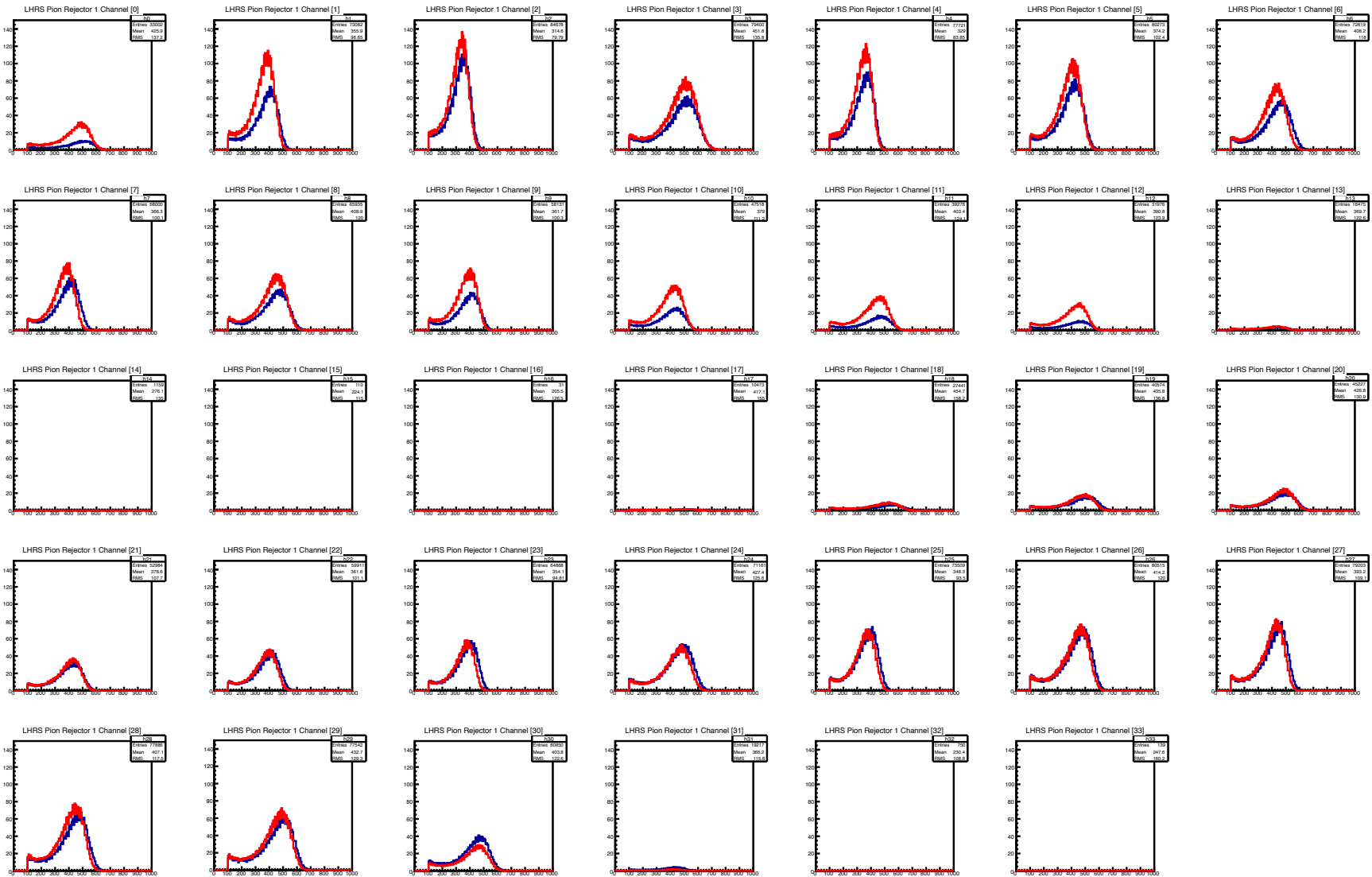


# LHRS Tracking Variables

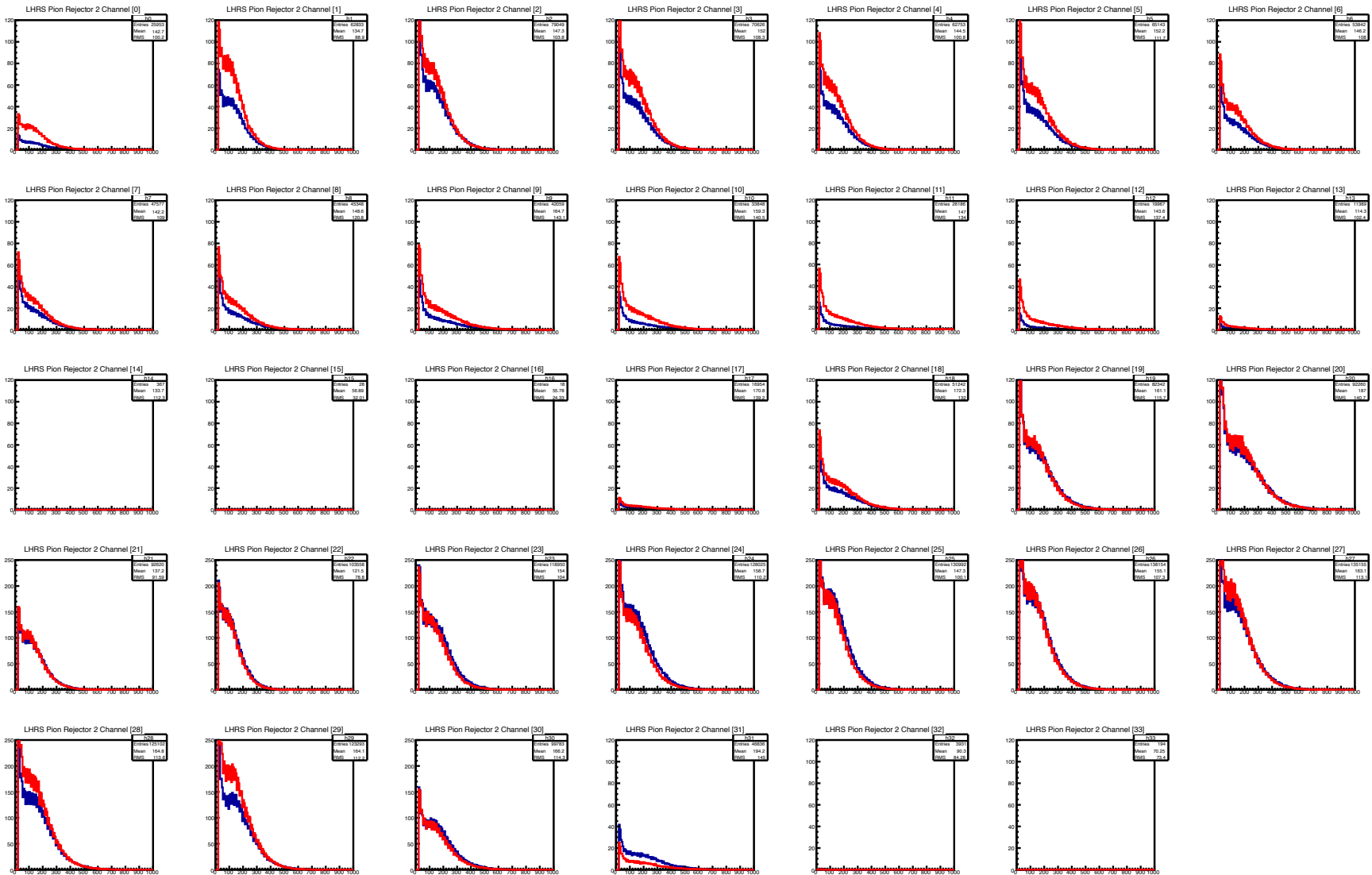
Black: 2.5T run, Red: 5T run ( $E_{\text{beam}} = 2.2 \text{ GeV}$ ,  $p_0 \approx 1 \text{ GeV}$ )



# LHRS: PRL1

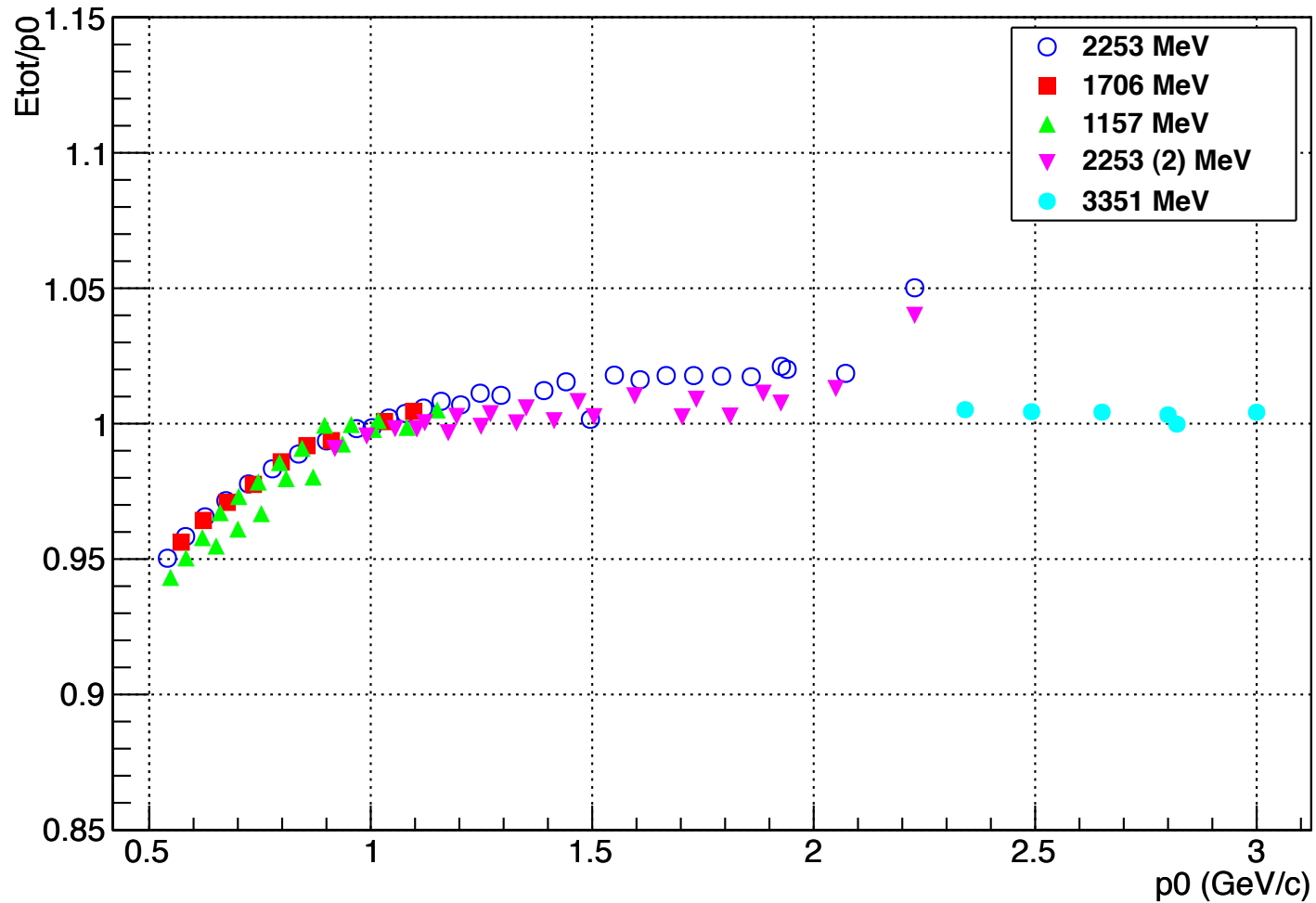


# LHRS: PRL2



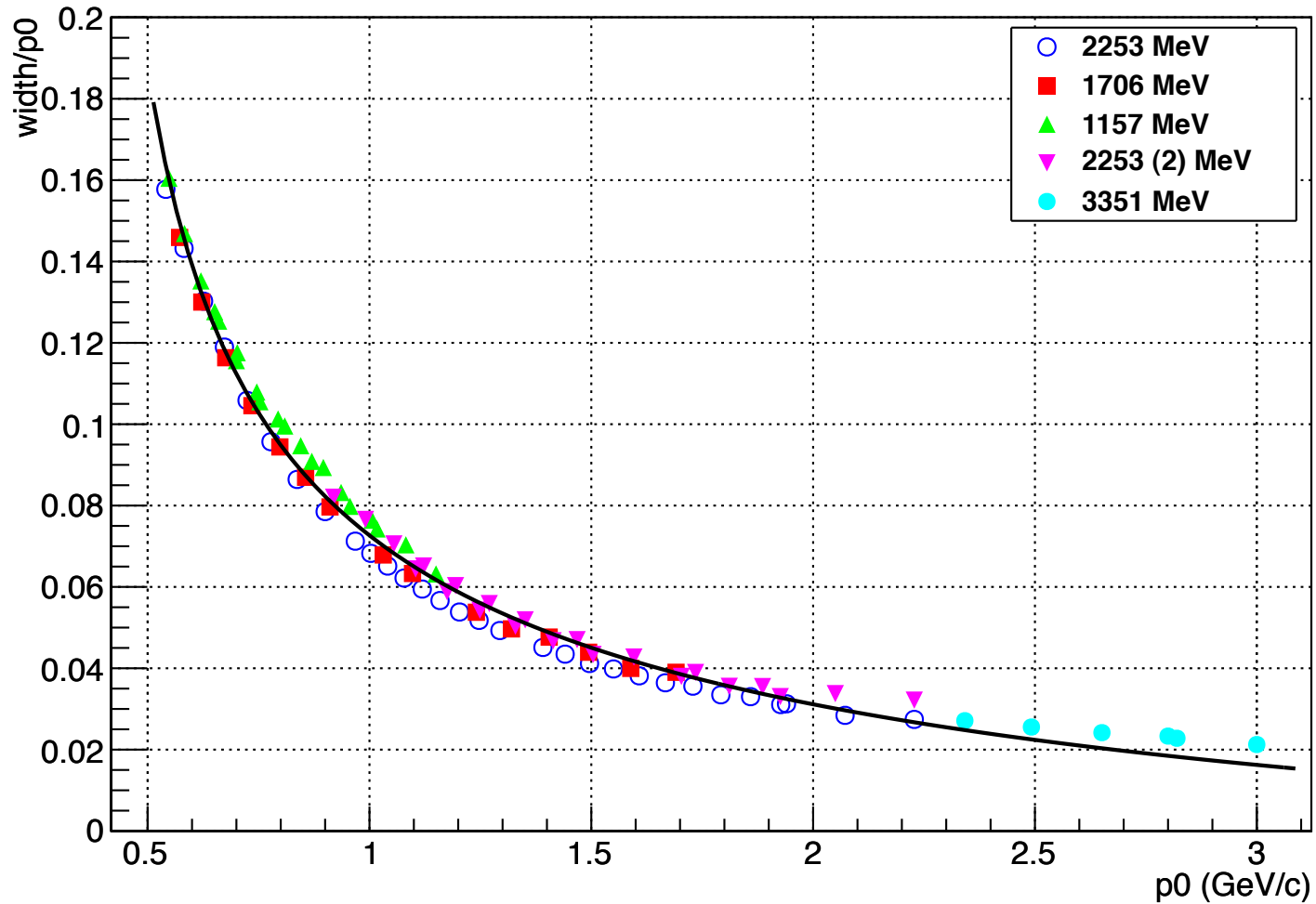
# LHRS Adjusted

## LHRS Pion Rejector Calibration Stability Check



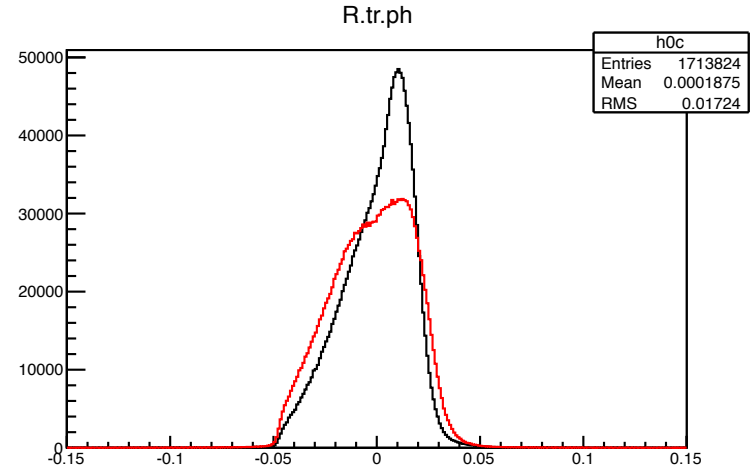
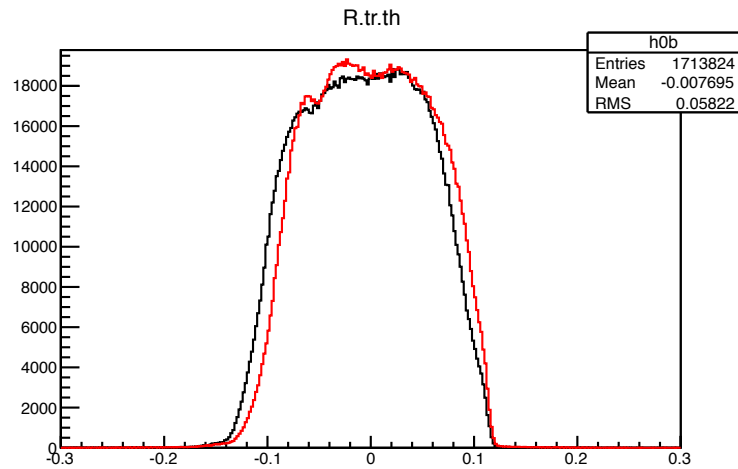
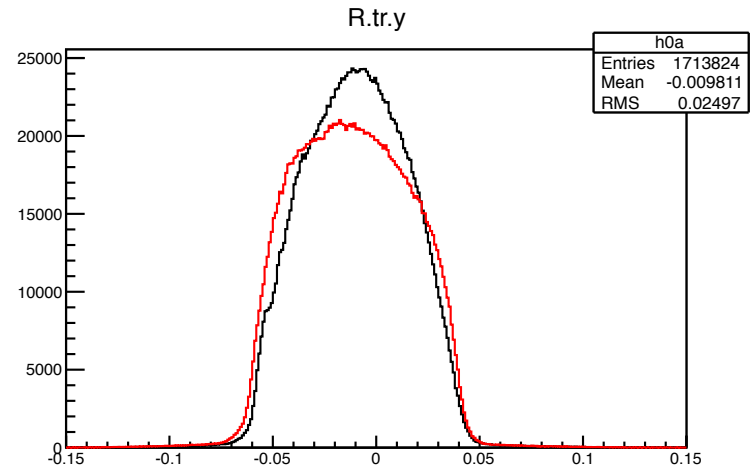
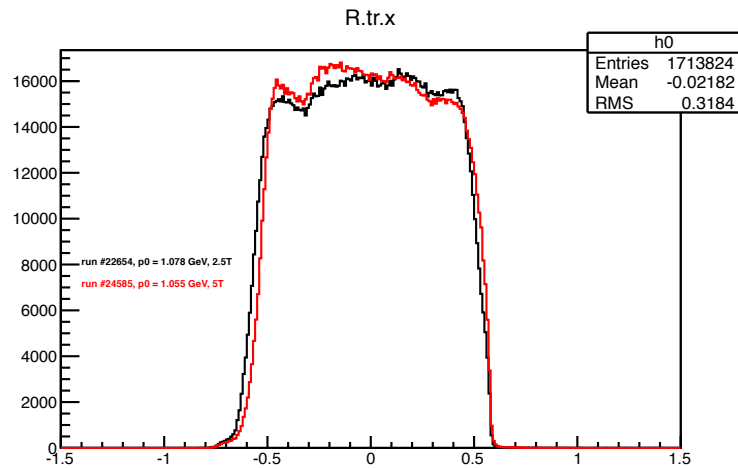
# LHRS Adjusted

## LHRS Pion Rejector Resolution



# RHRS Tracking Variables

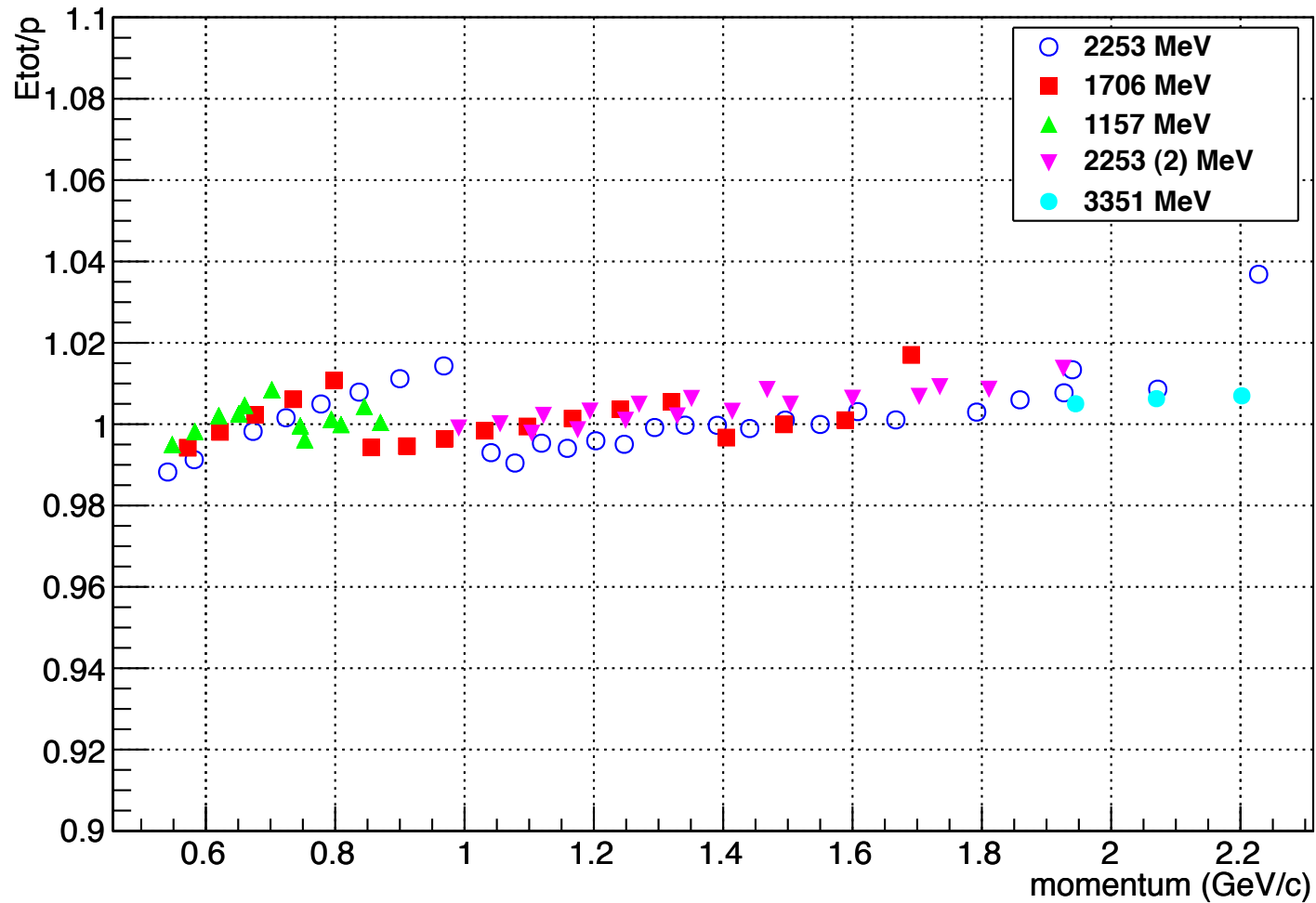
Black: 2.5T run, Red: 5T run ( $E_{\text{beam}} = 2.2 \text{ GeV}$ ,  $p_0 \approx 1 \text{ GeV}$ )





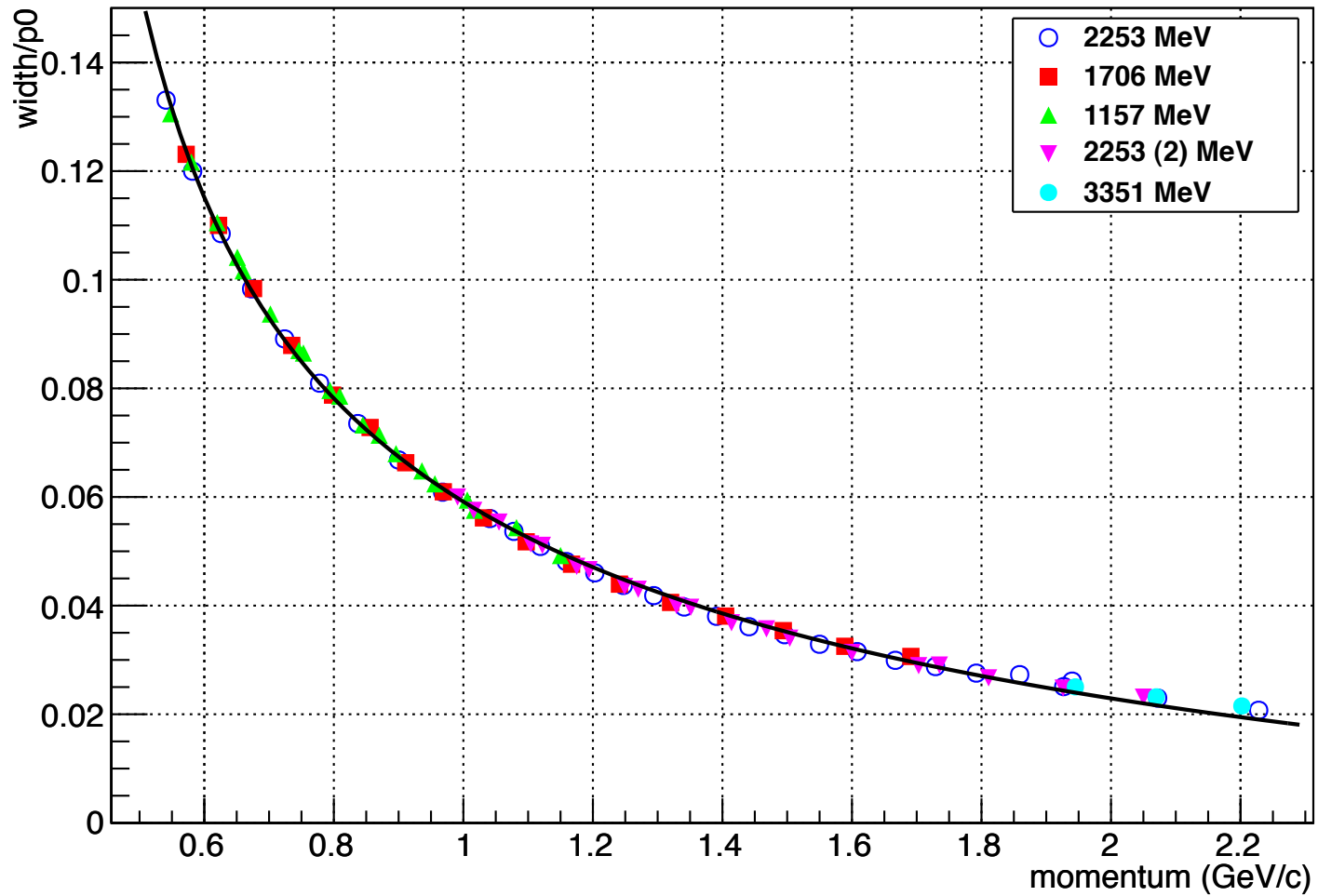
# RHRS Adjusted

RHRS PreShower/Shower Calibration Stability Check

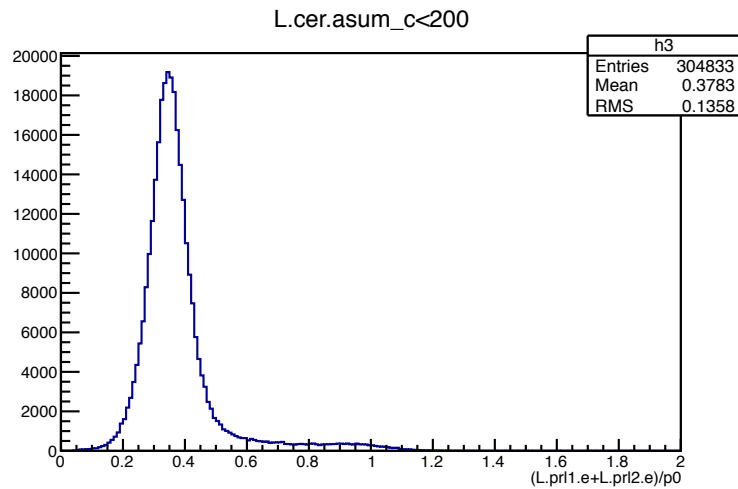
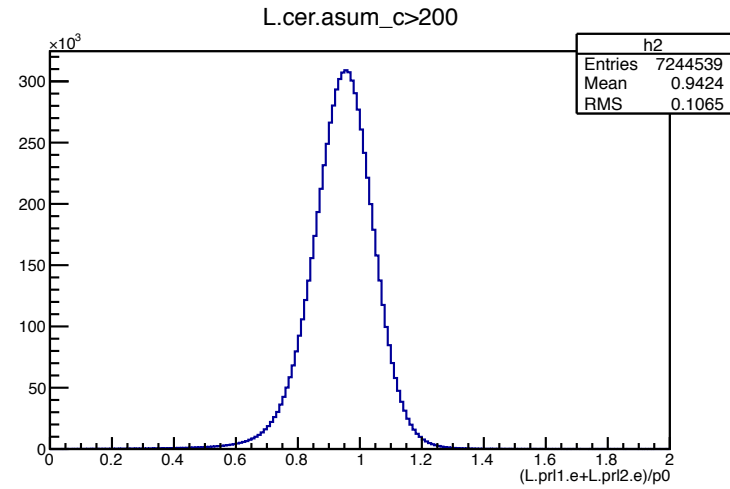
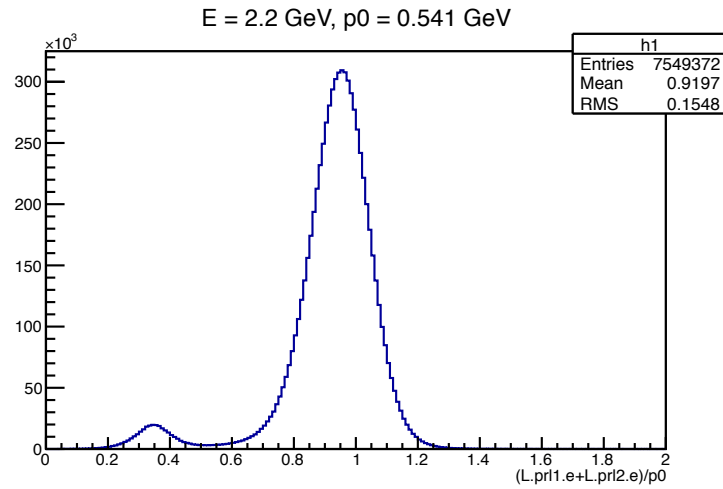


# RHRS Adjusted

RHRS PreShower/Shower Resolution



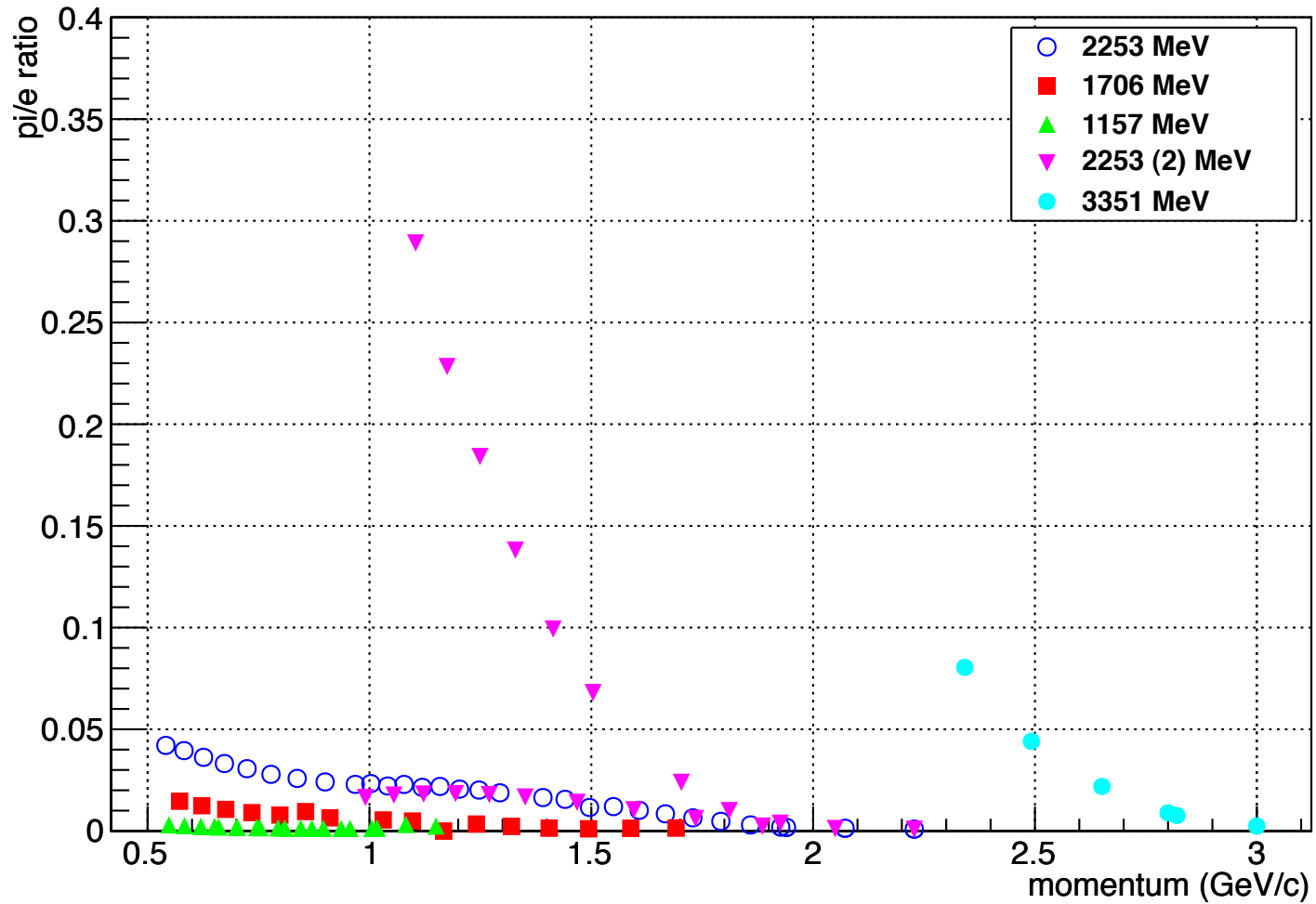
# Pion Contamination - Method



**pi/e ratio = 0.0421**

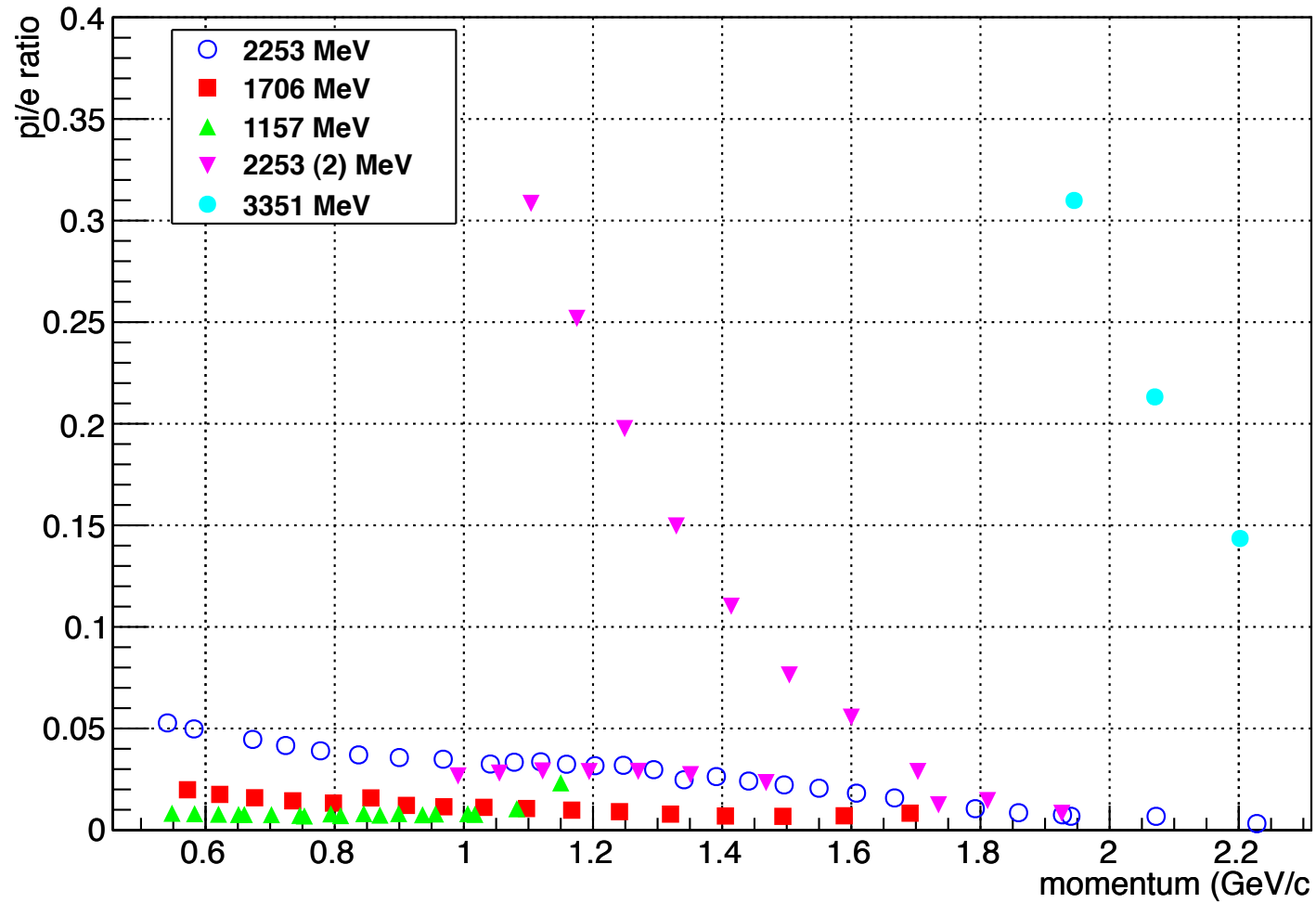
# Results

## LHRS Pion Contamination



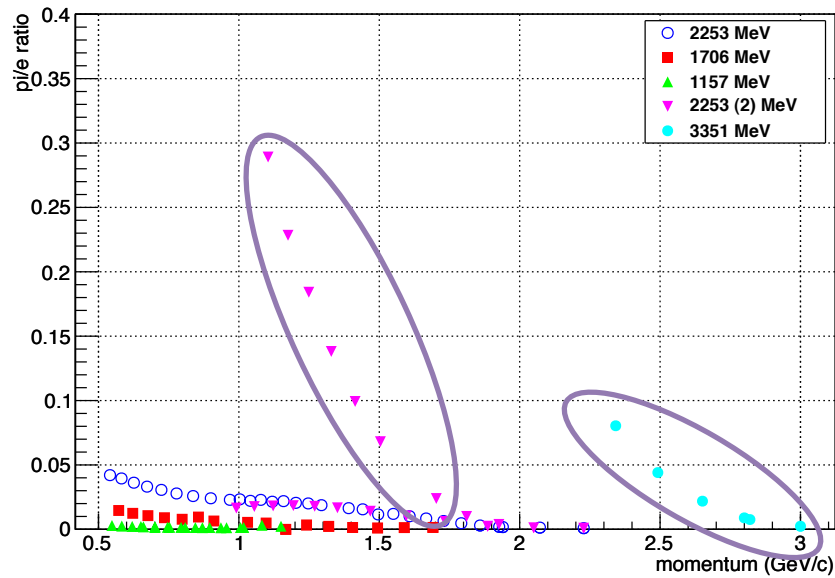
# Results

## RHRS Pion Contamination

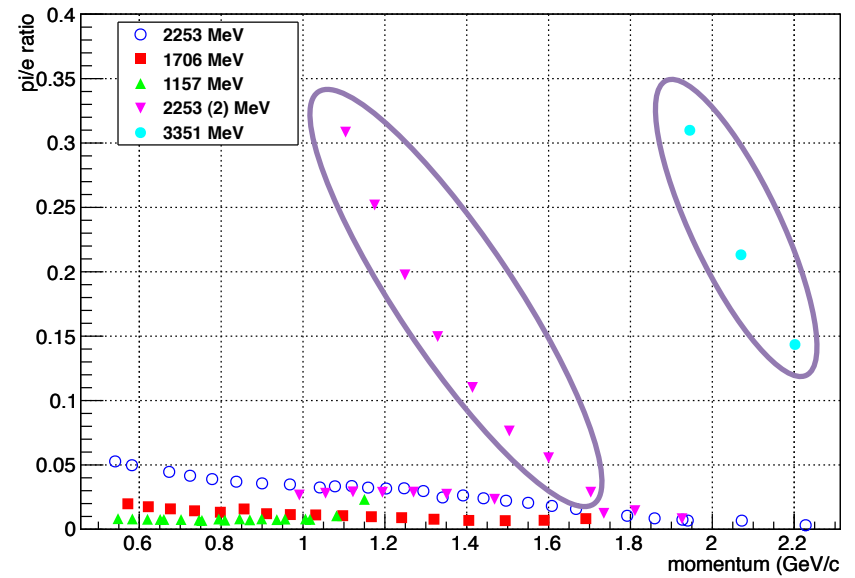


# Pions

LHRS Pion Contamination



RHRS Pion Contamination



Runs taken after 5/11/12 ~21:00

From HALOG: - increased beam current  
- possible scraping?  
- ???