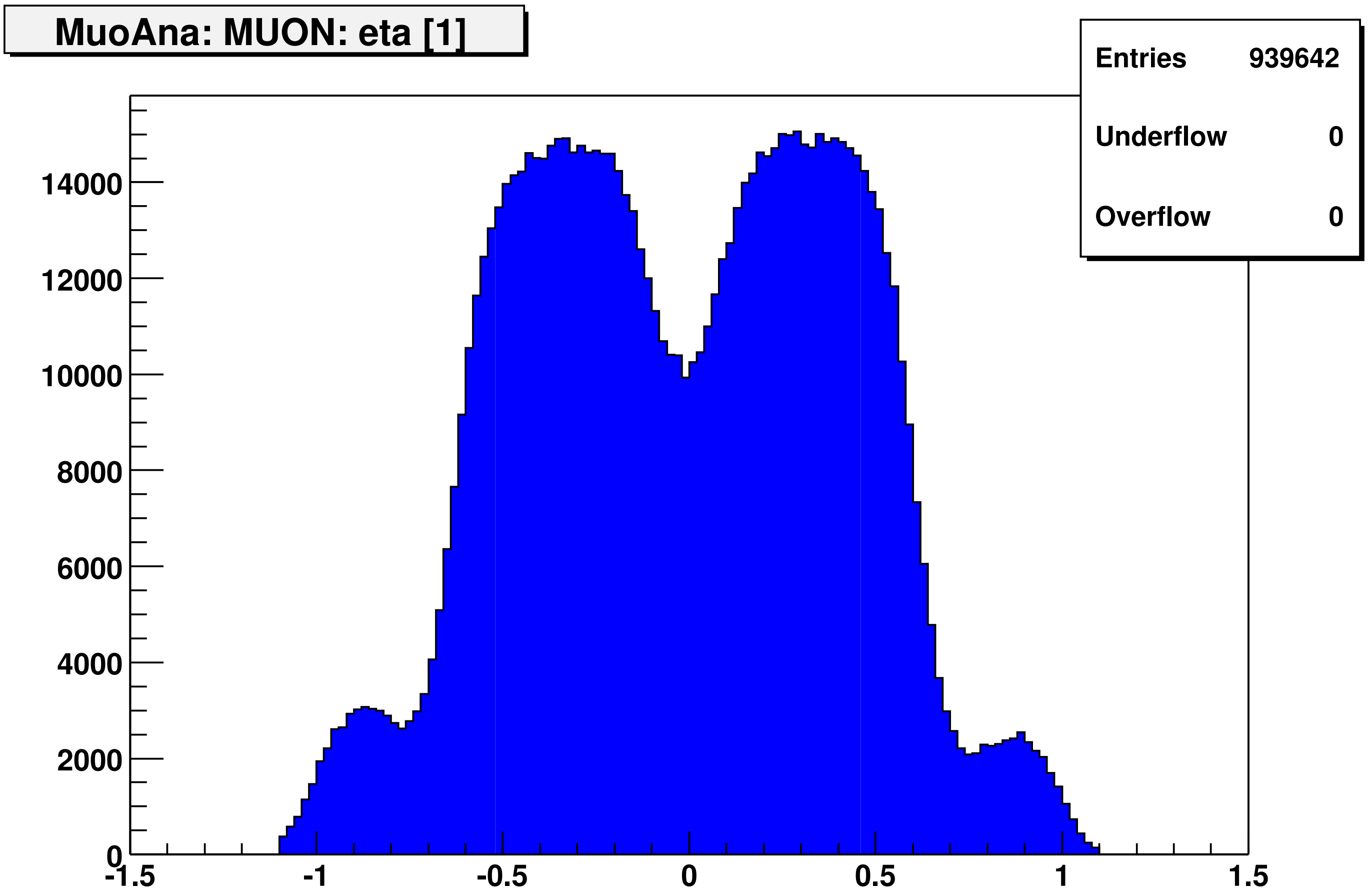
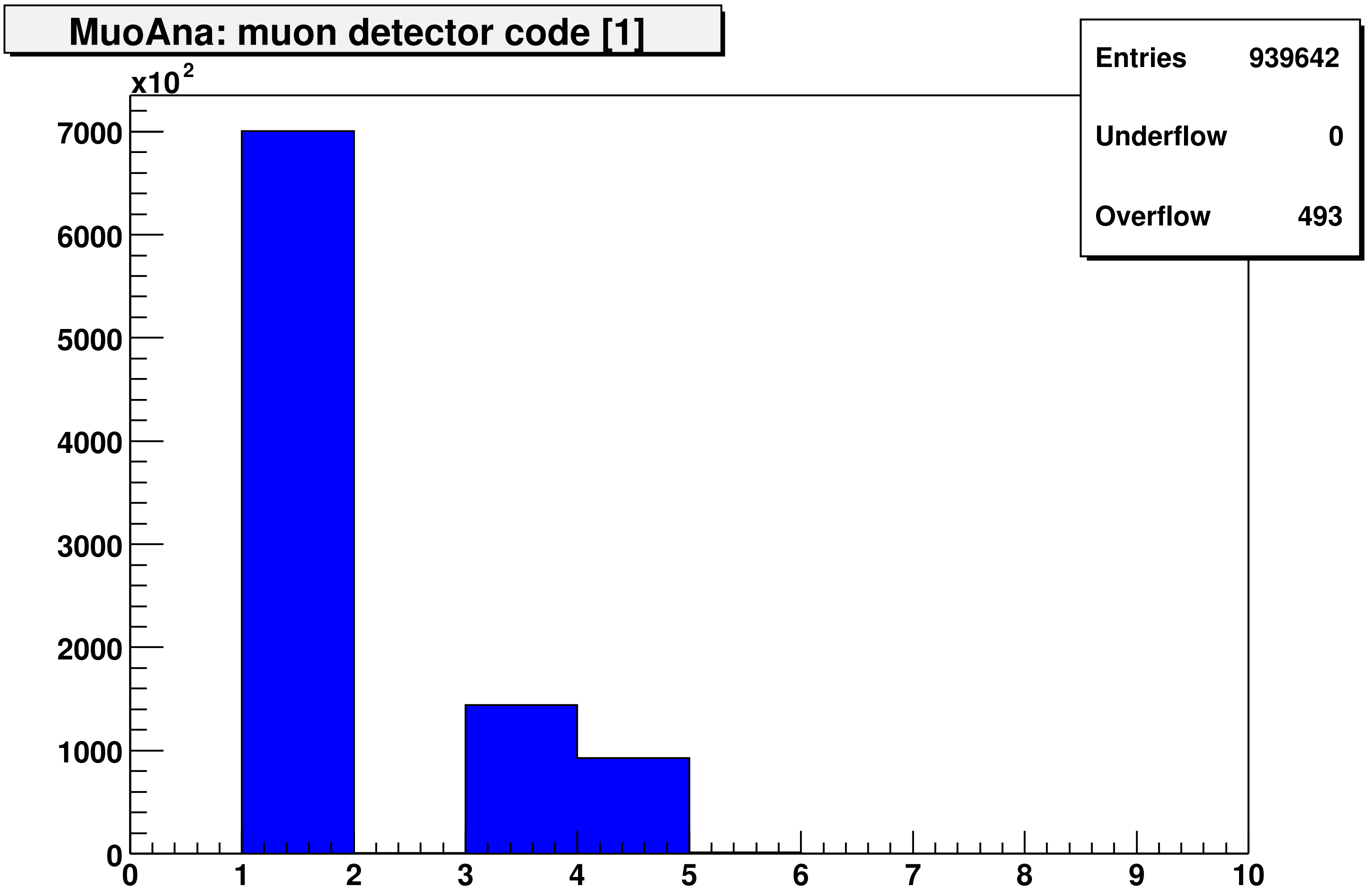
Tower-By-Tower Corrections for the CHA

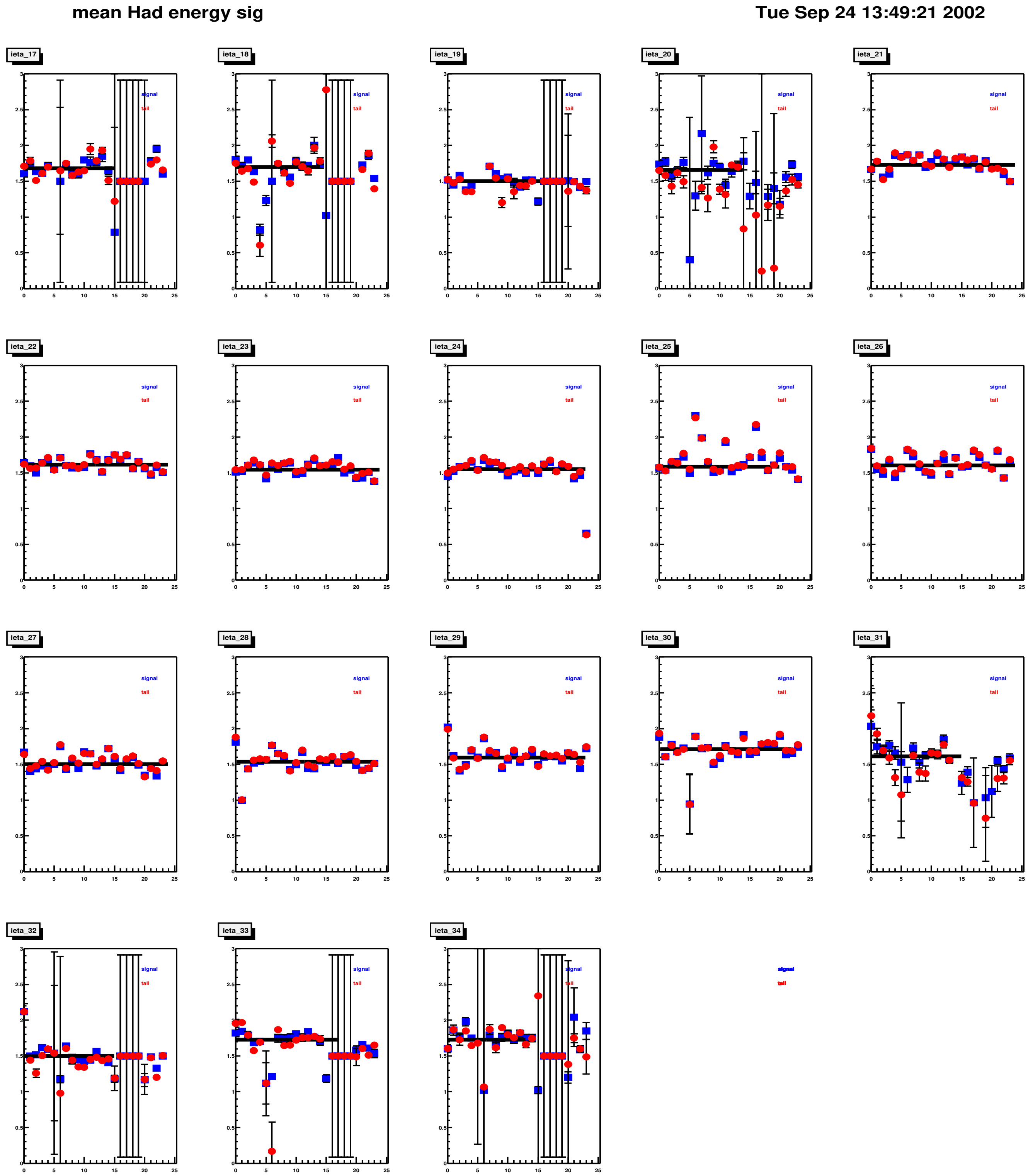
Anant Gajjar, Liverpool (02/10/02)

η Distribution & Detector

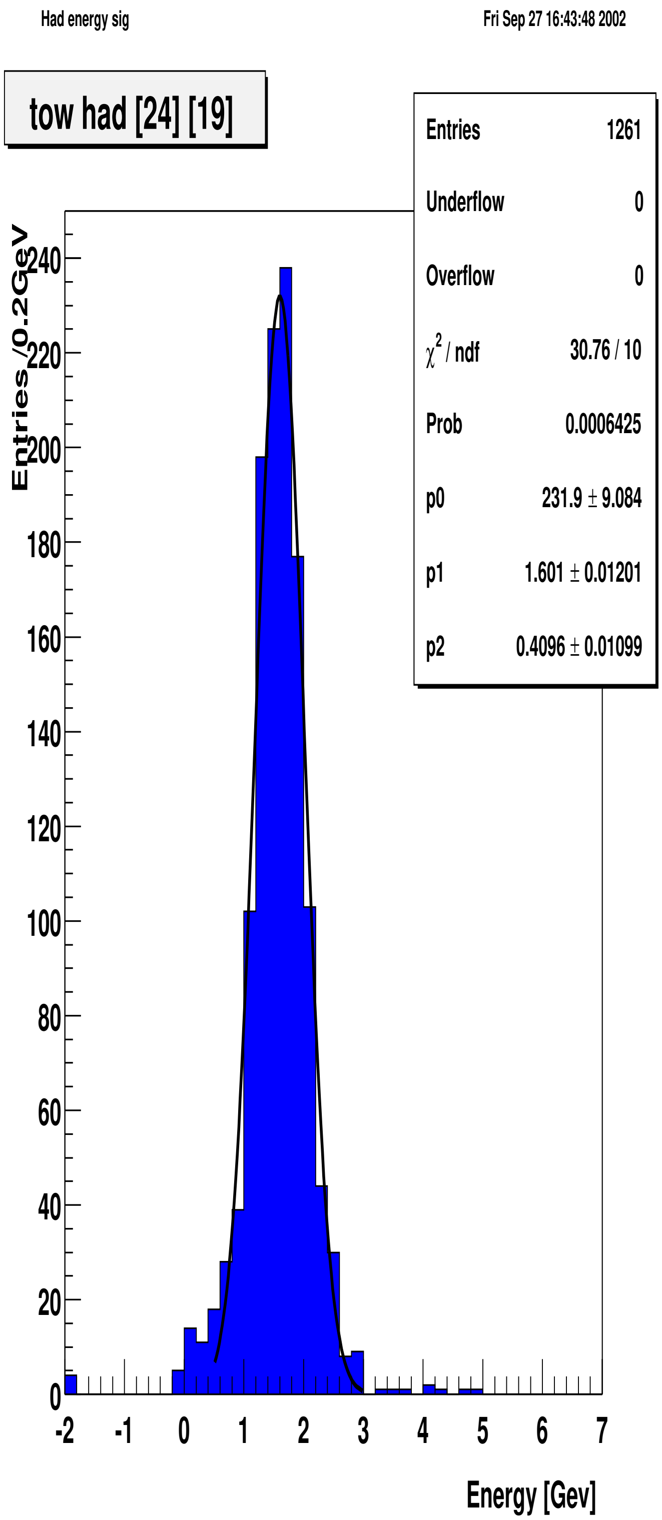


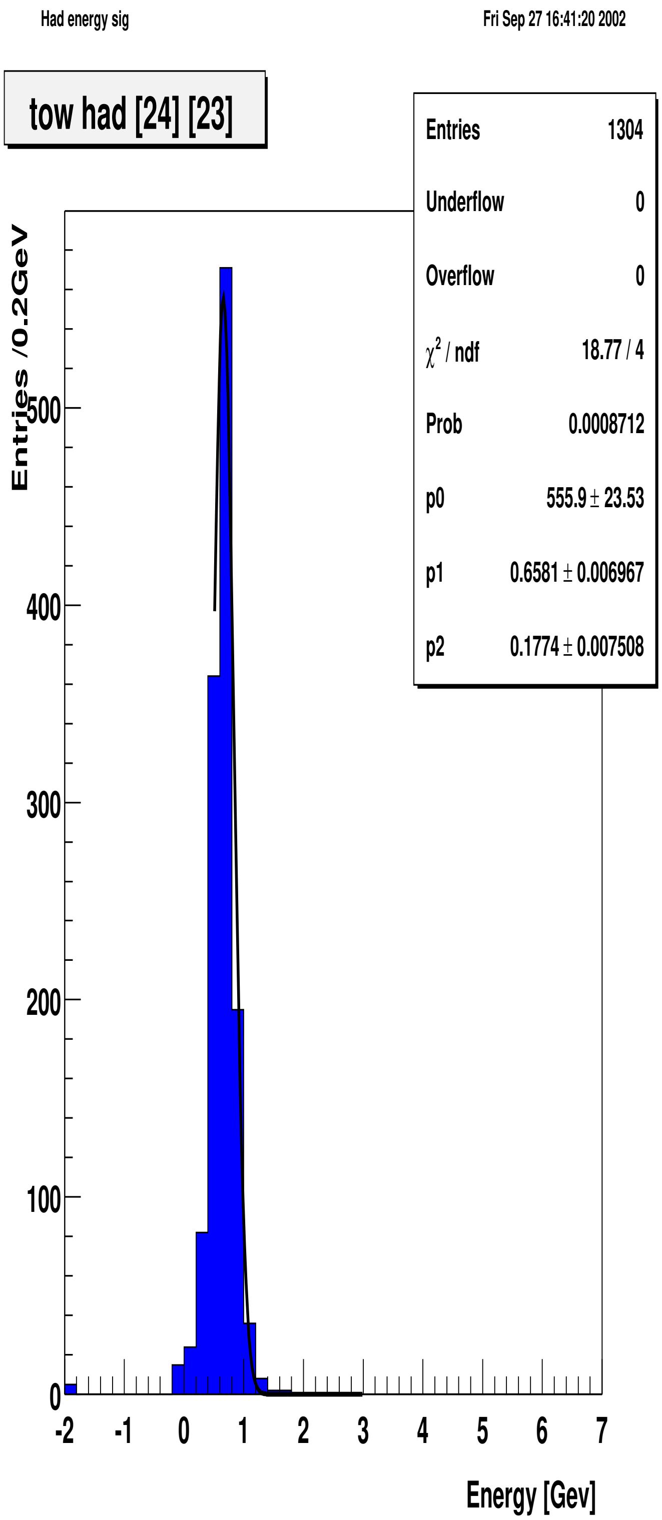


Mean Value: Tower By Tower



“Good” and “Bad” Towers

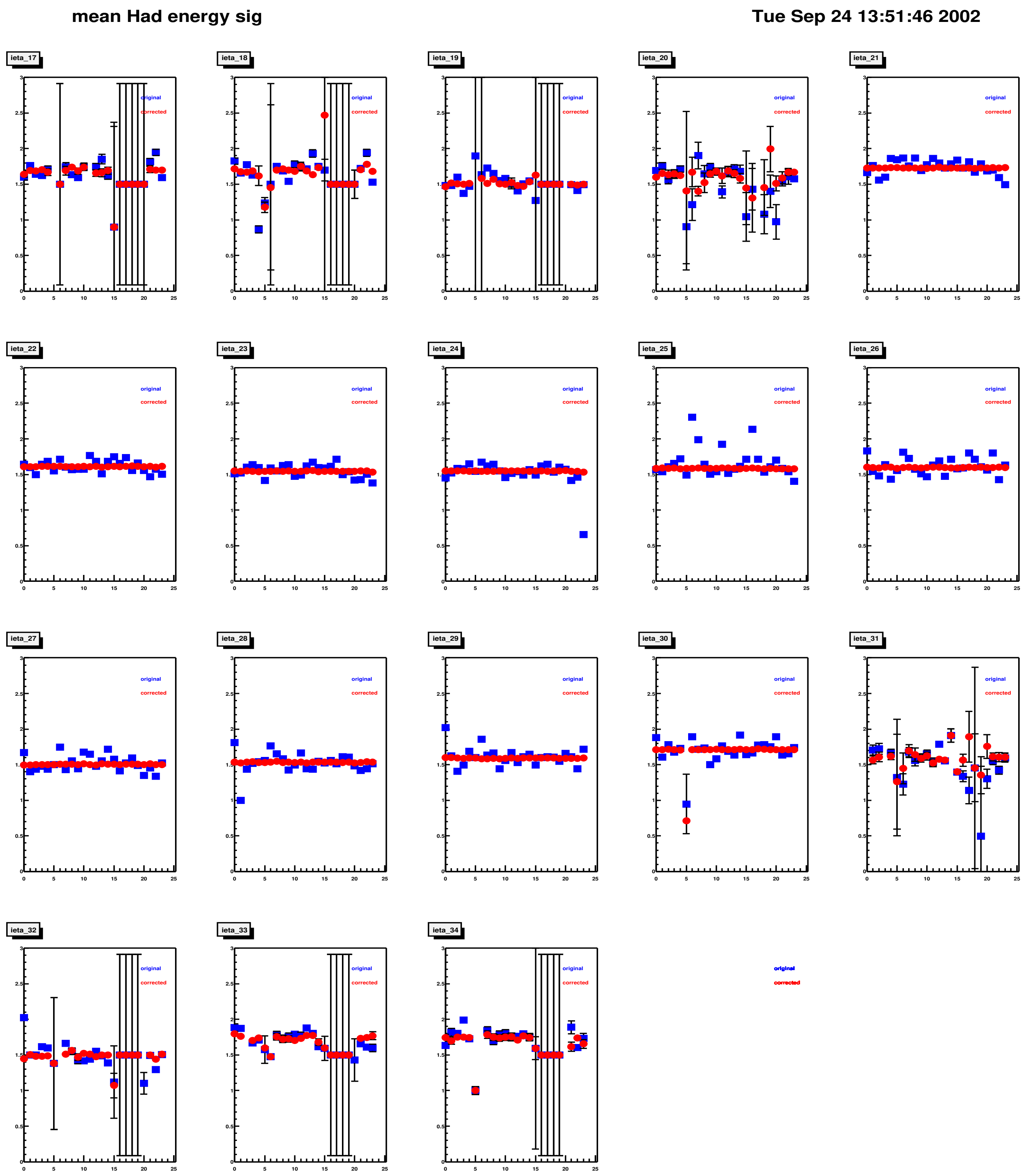




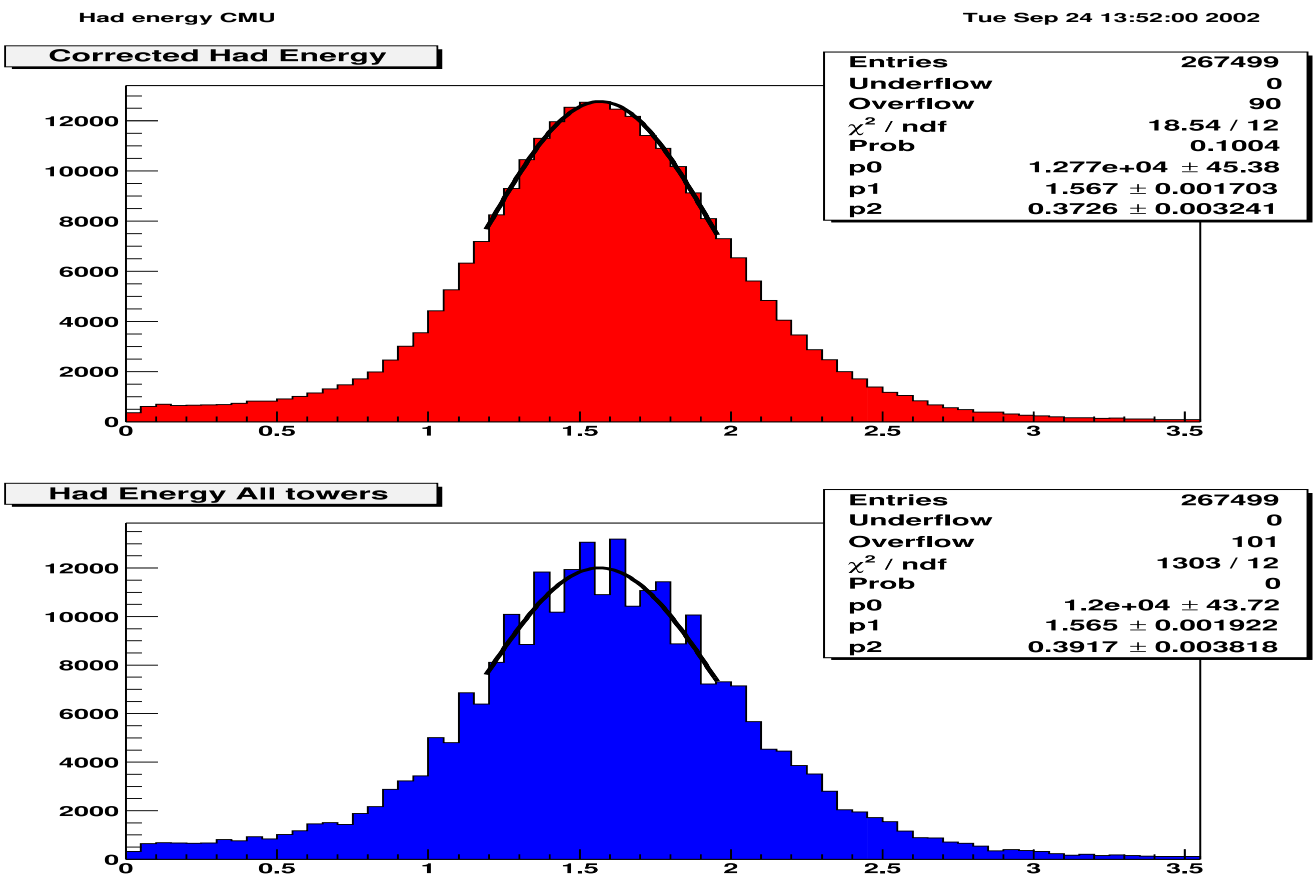
Correction Procedure

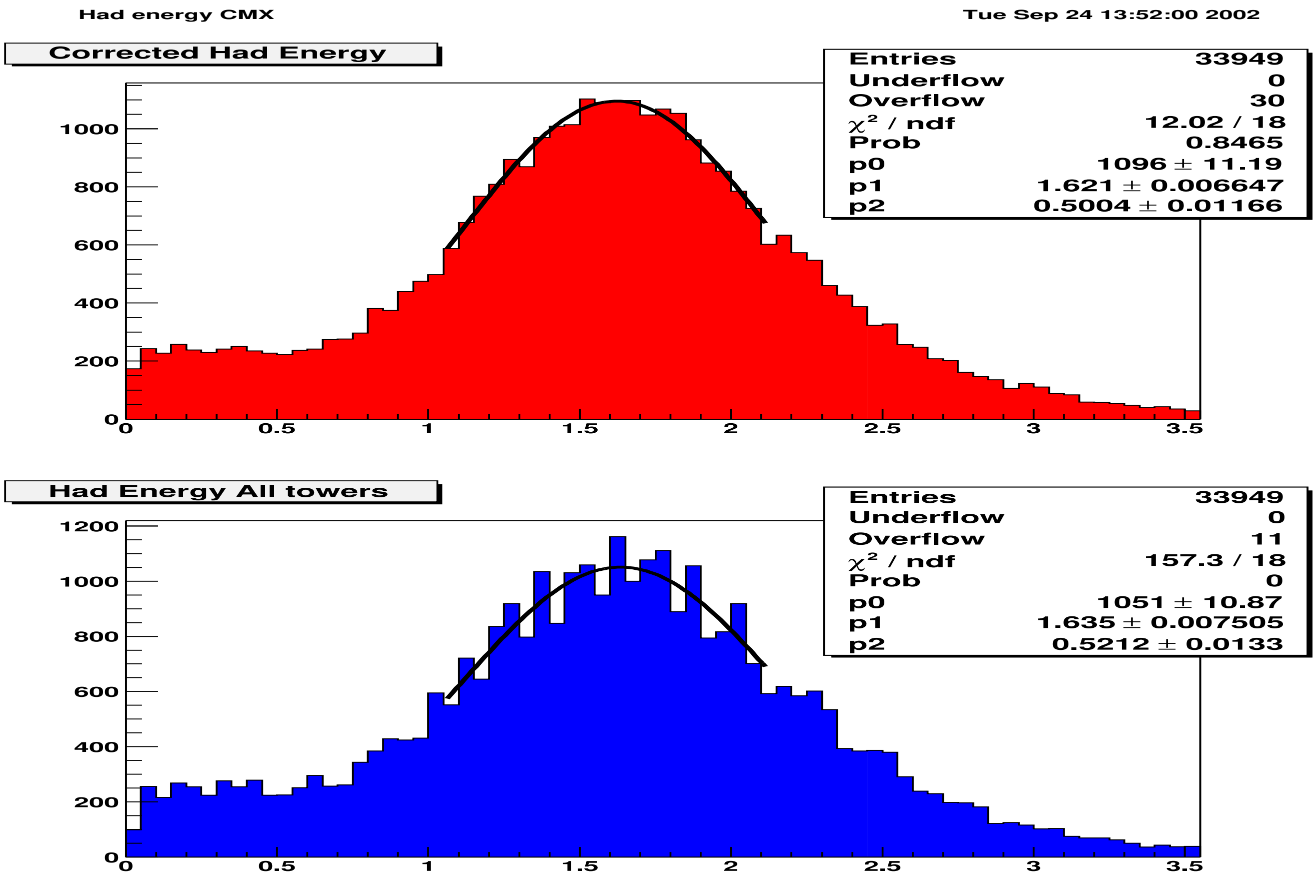
- Determine mean energy per eta ring
- Reject outliers and points with large errors
- correct each tower back to that mean

First Corrections: Tower By Tower



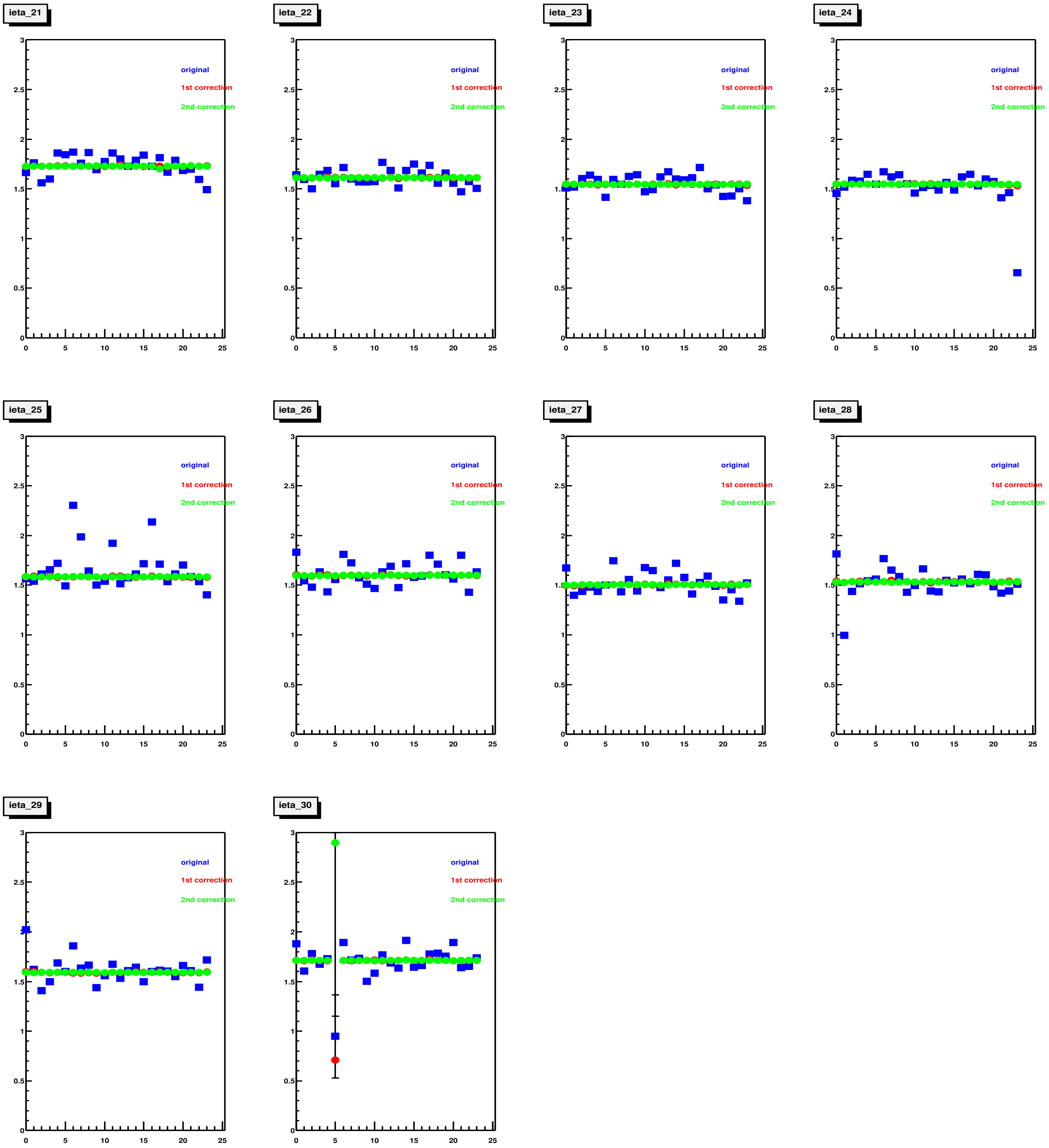
Total Hadronic Energy After Correction



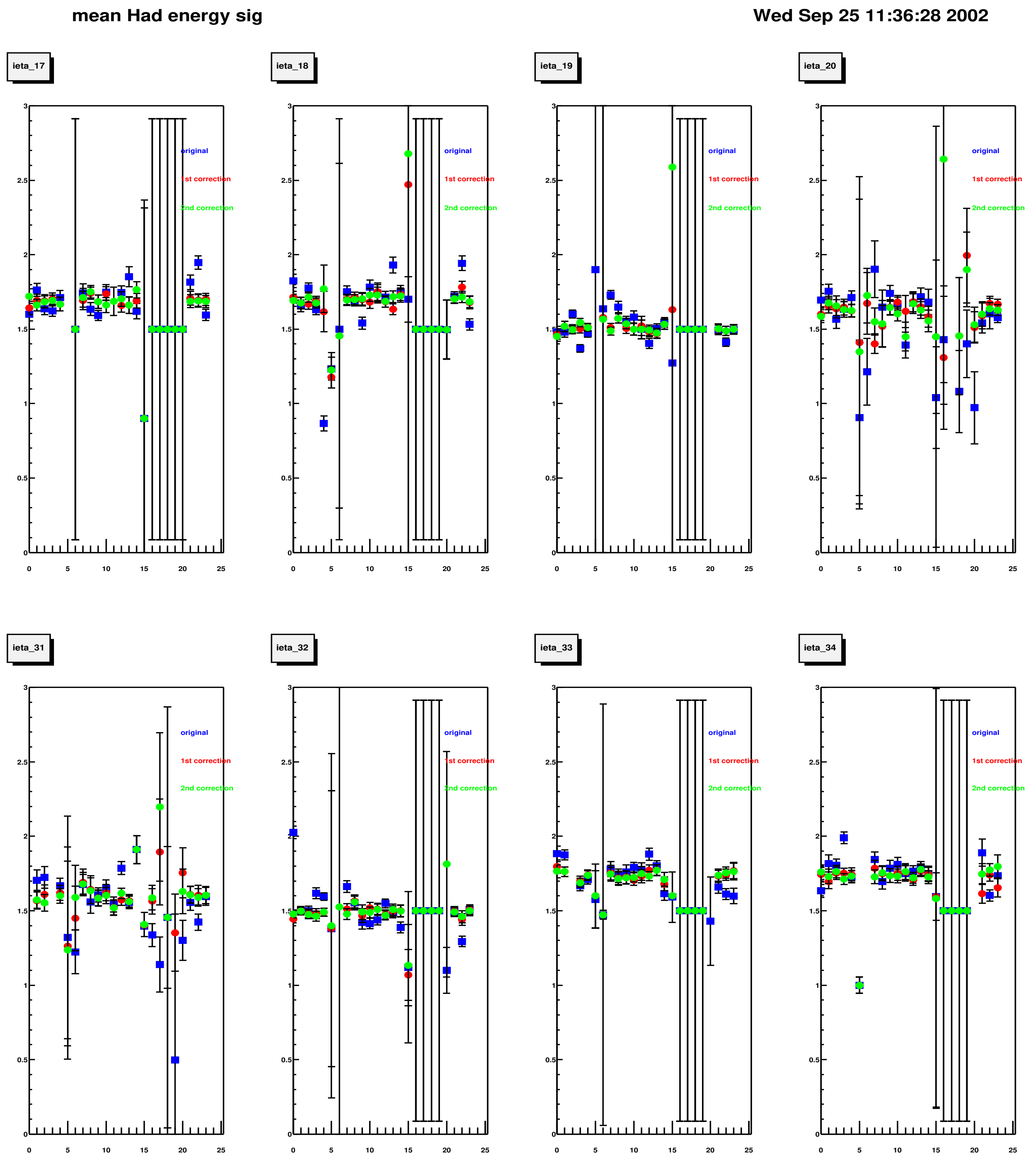


Second Corrections: Tower By Tower (CMU)

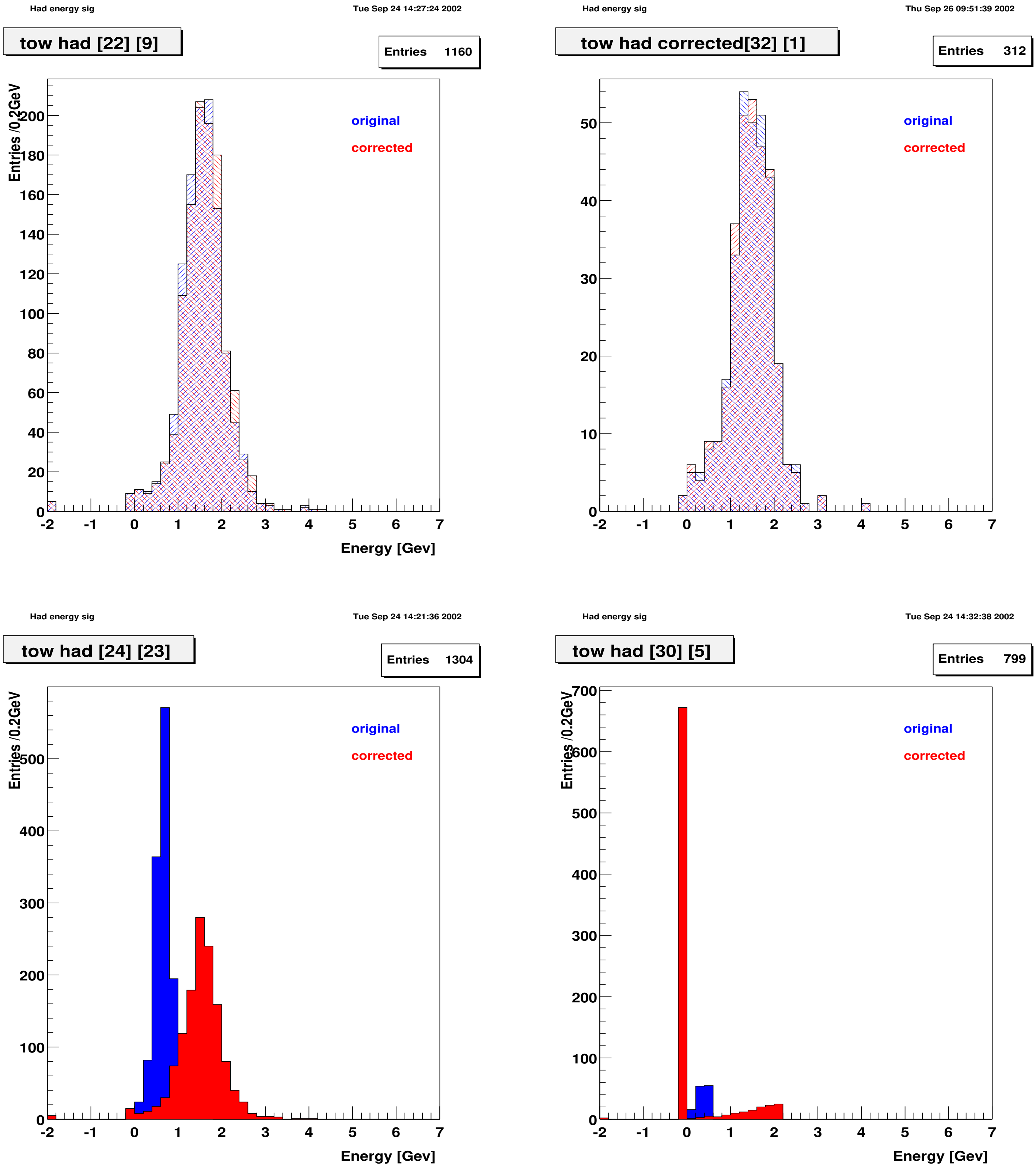
mean Had energy sig **Wed Sep 25 11:36:28 2002**



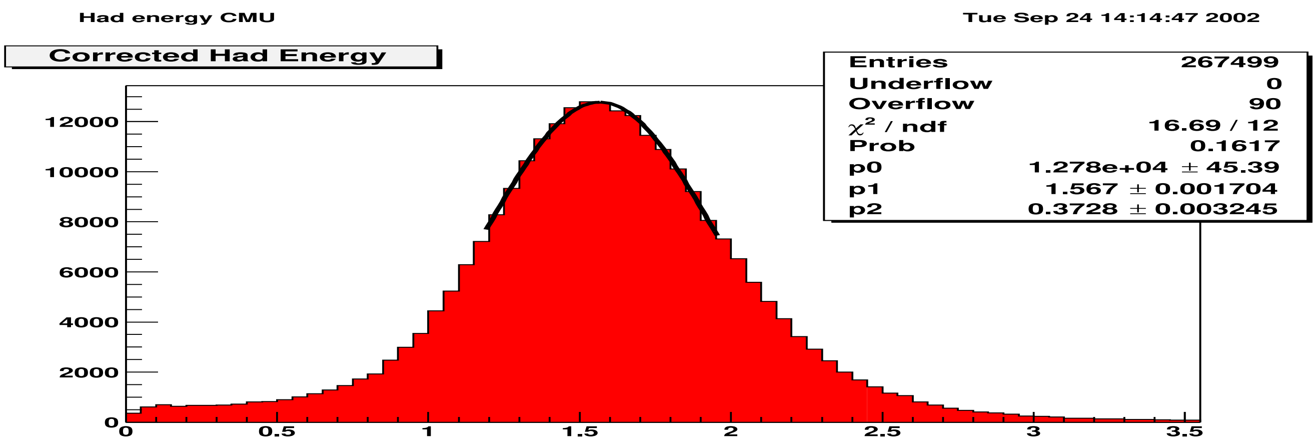
Second Corrections: Tower By Tower (CMX)

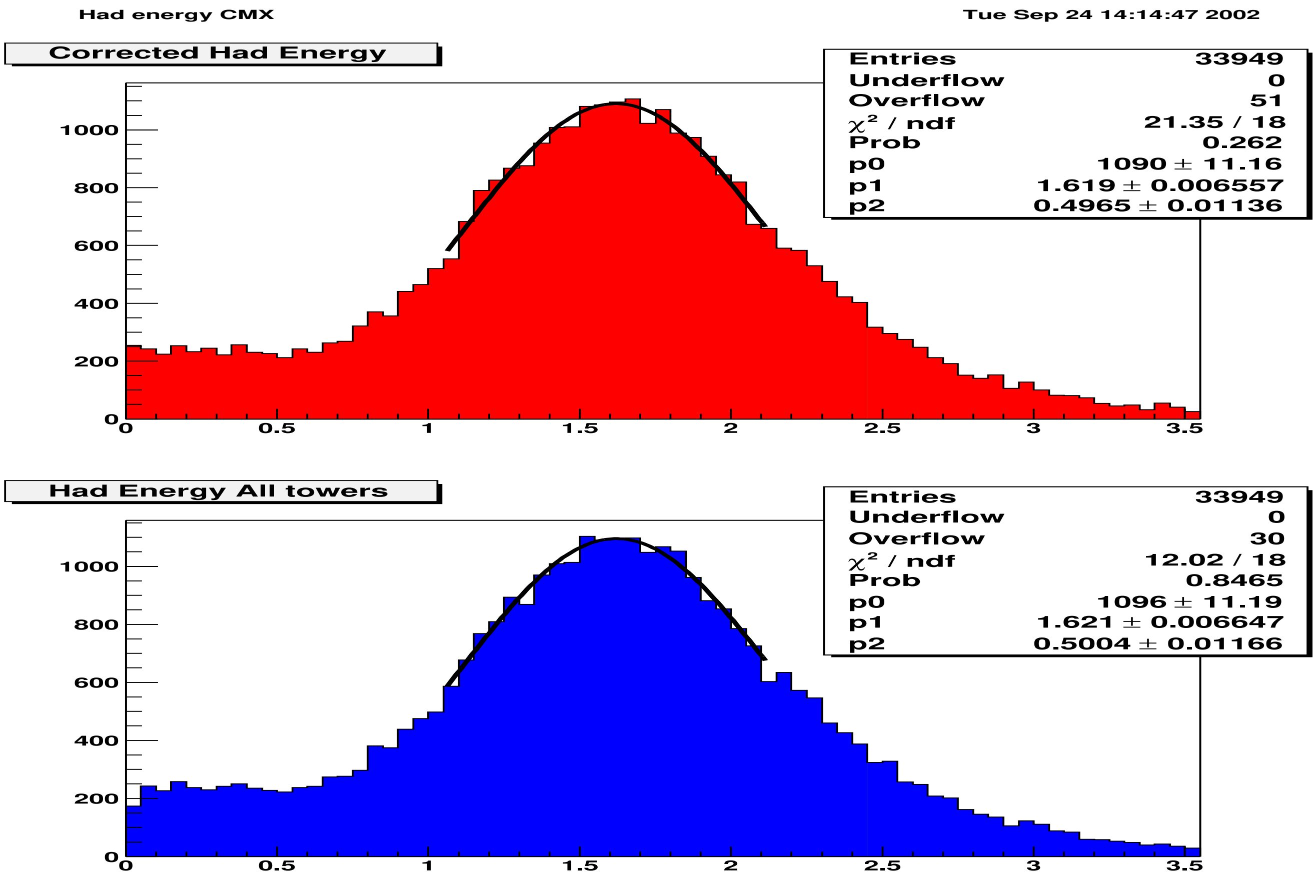


Effect of Corrections on “Good” and “Bad” Towers

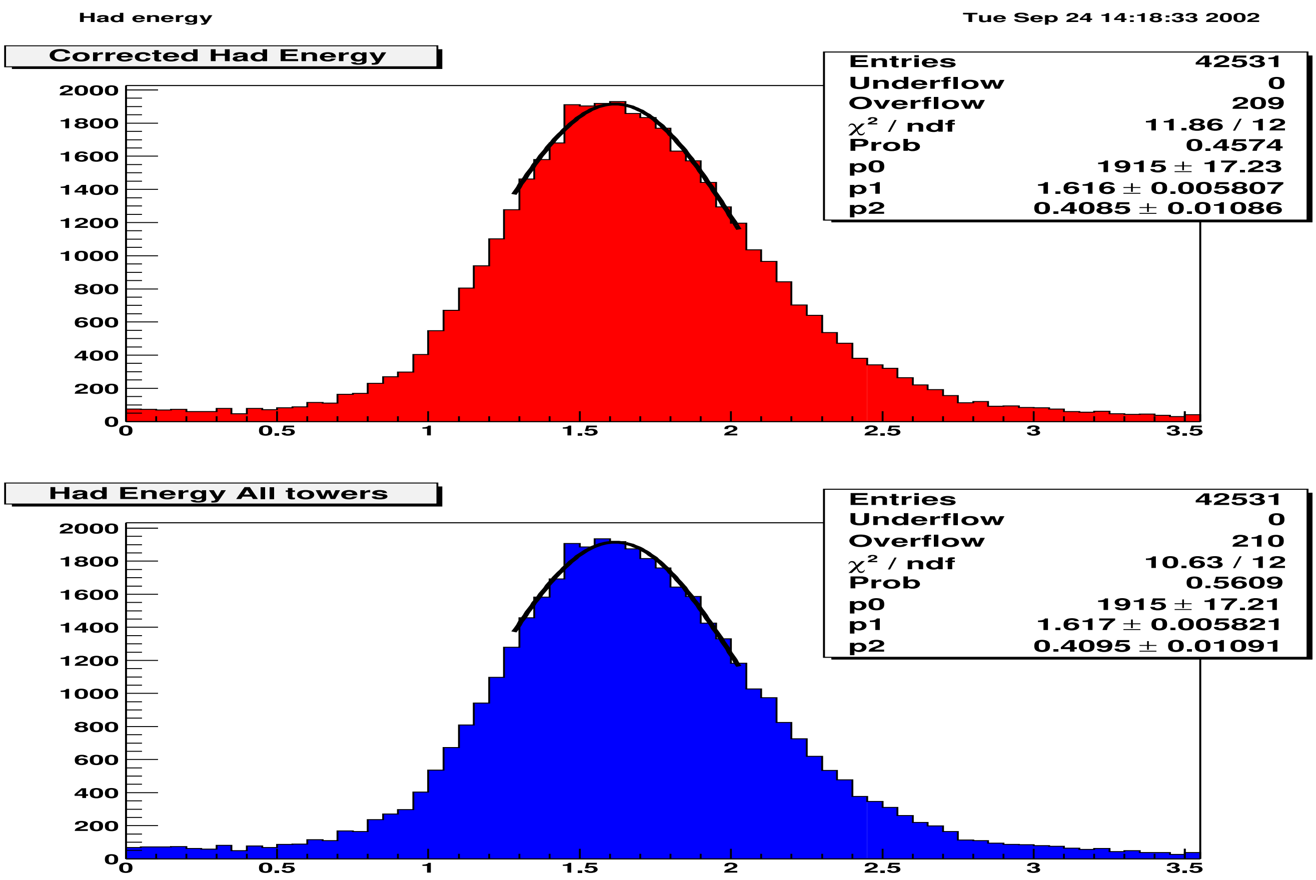


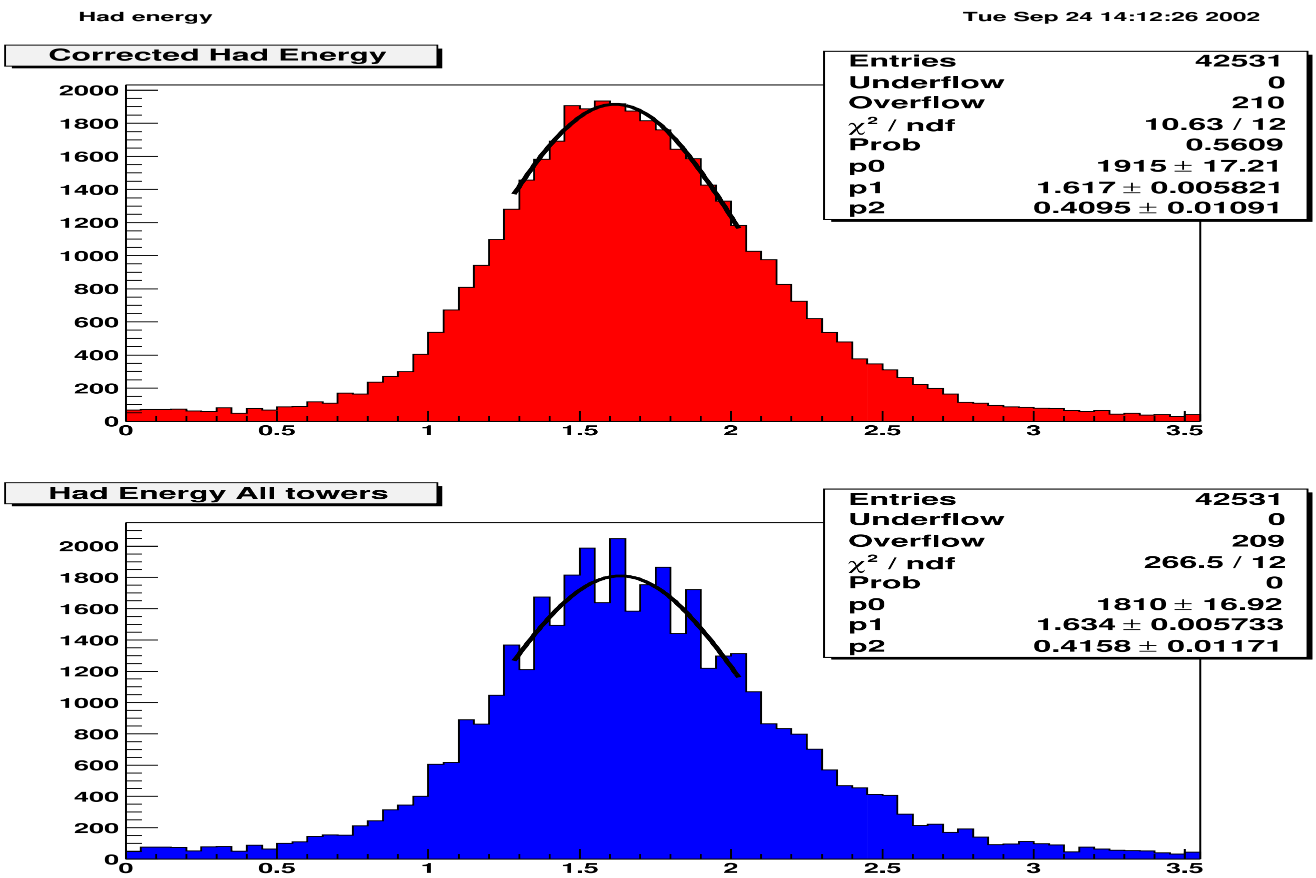
Total Hadronic Energy After Second Correction





Total Hadronic Energy Using Run 1 Selection





Mean Value For Each Eta Ring