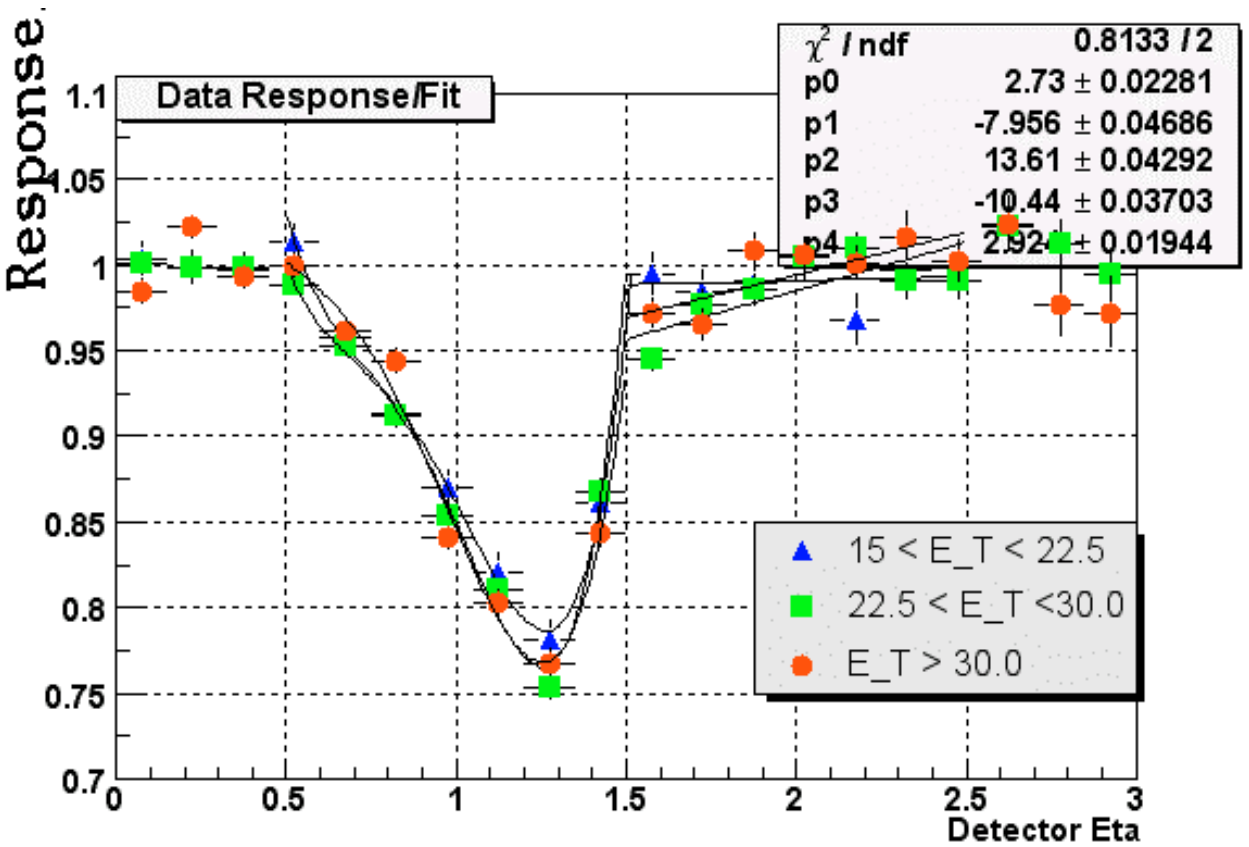
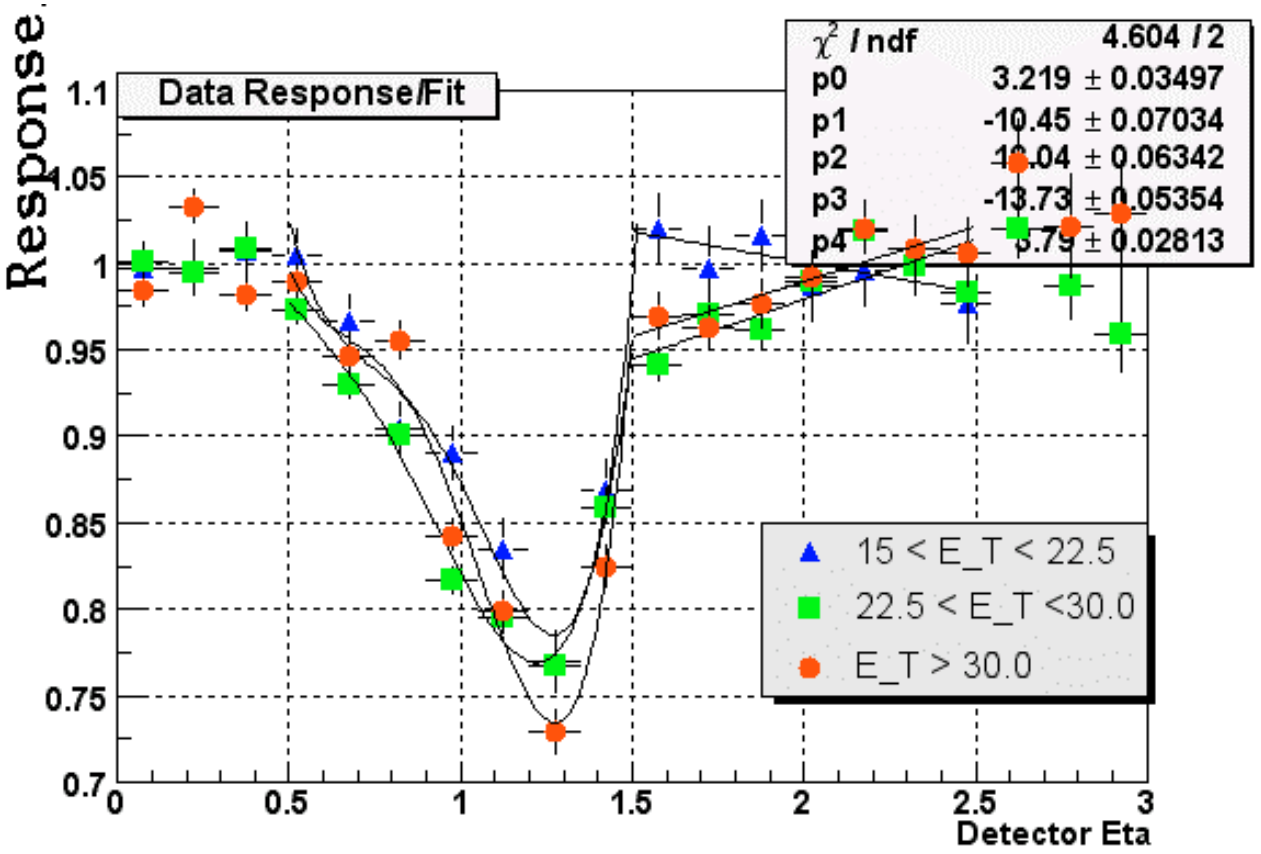
Response Vs. Eta Update

- **Updated cuts**
  - **ntrks >= 5**
  - **tight jetid cuts**
  - **MC energy threshold cuts**
- **Ran over most of data**
  - **No Jes correction**
  - **JES offset correction from v04-00-03**
- **Ran over MC**
  - **No Jes correction**
  - **JES offset correction from v04-00-04**

Uncorrected Data

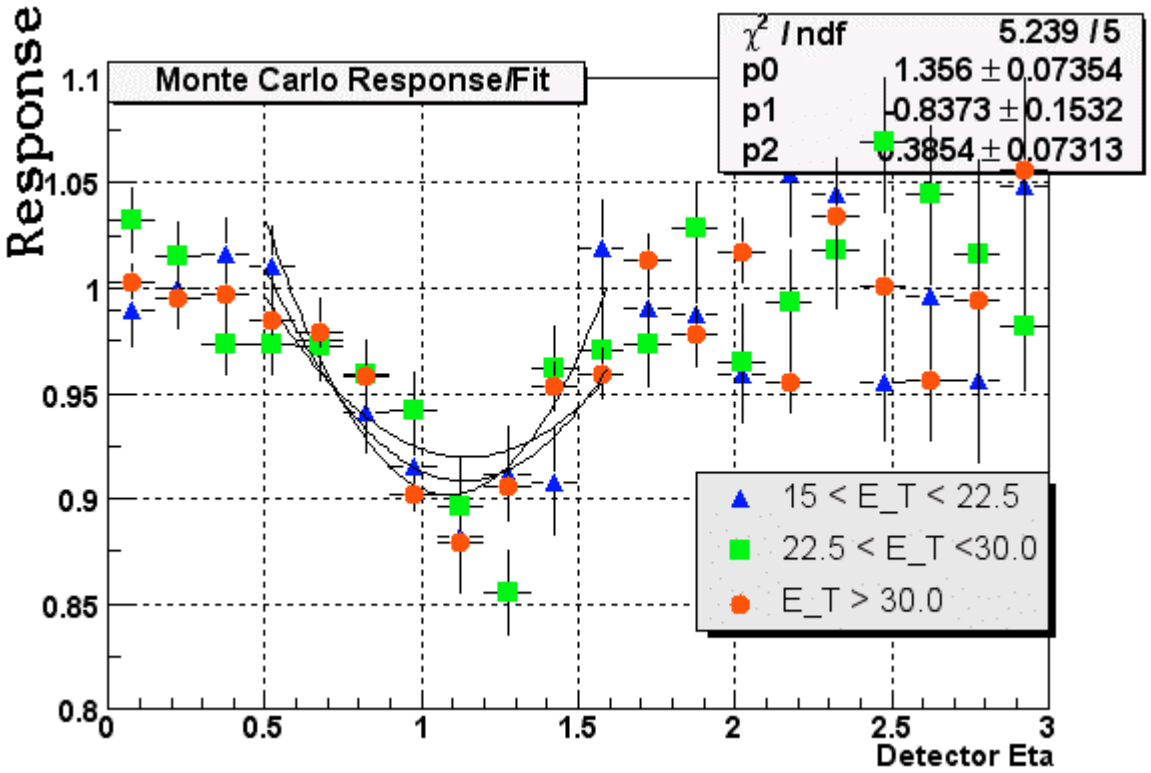


Offset Corrected Data

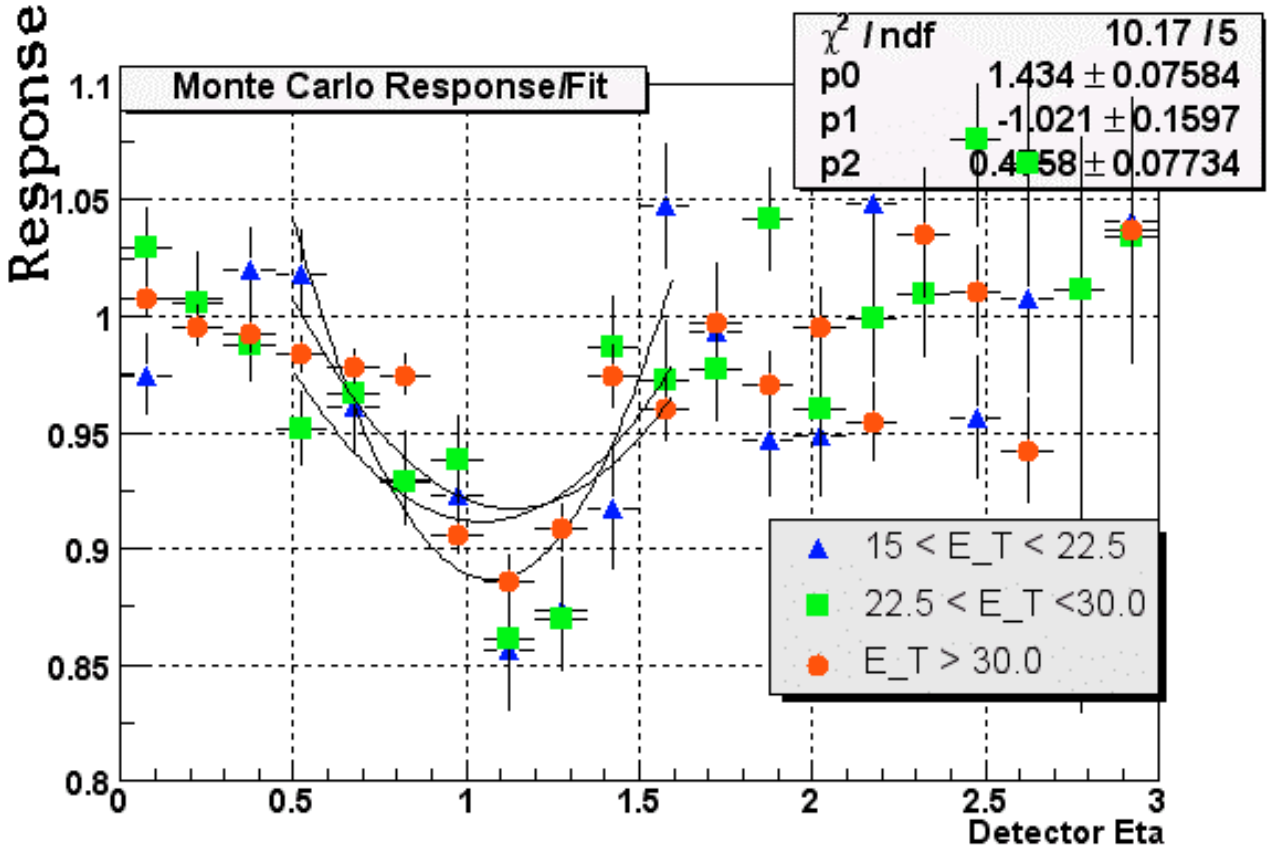


Uncorrected MC

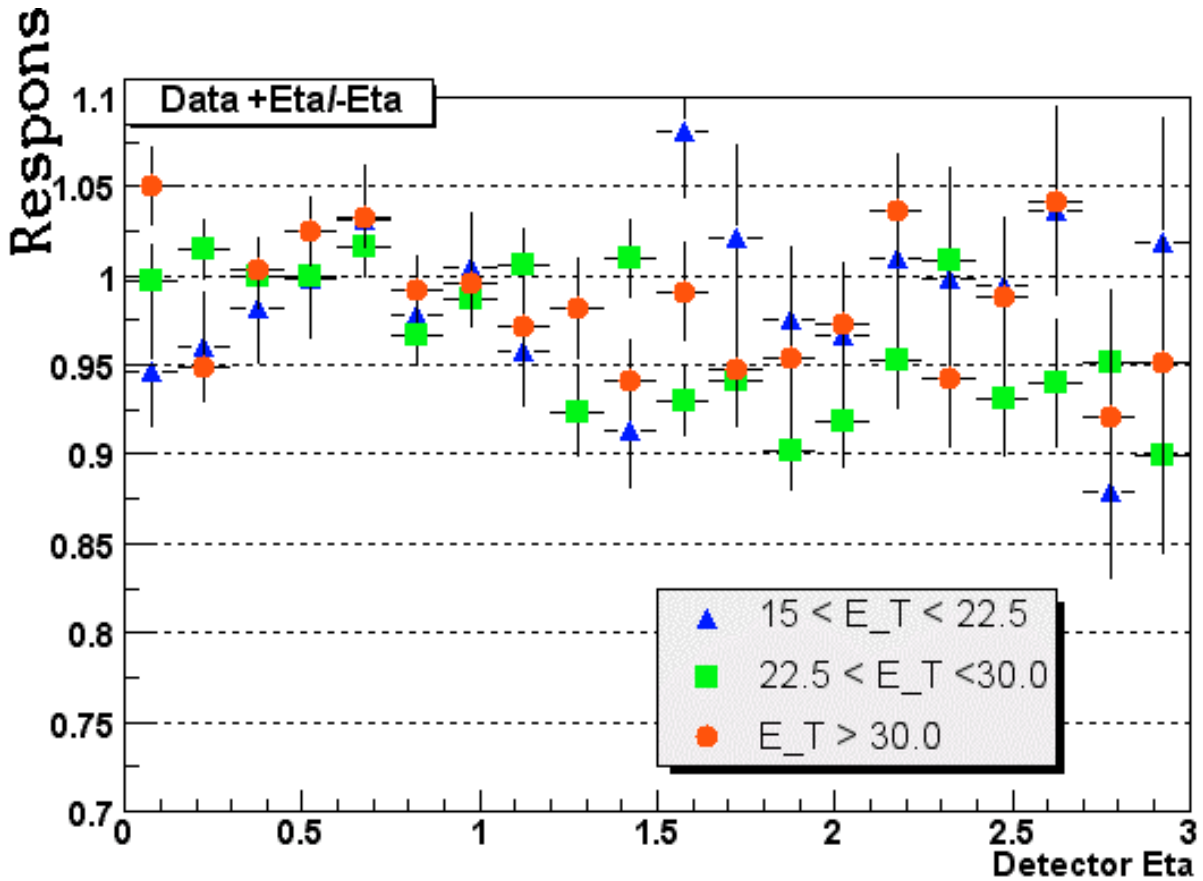
- **Still Running but here it is with old cuts (no E threshold cuts, ntrks >=3)**



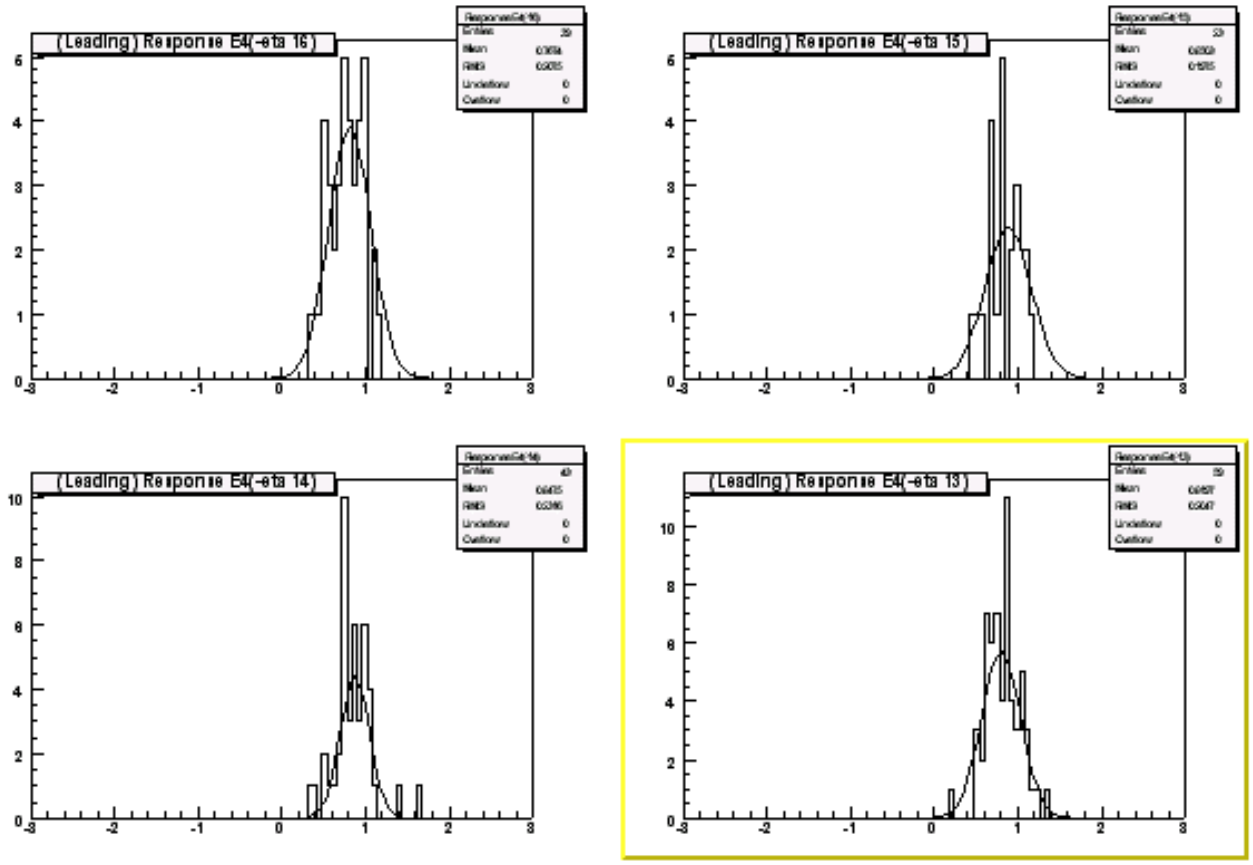
Offset Corrected MC



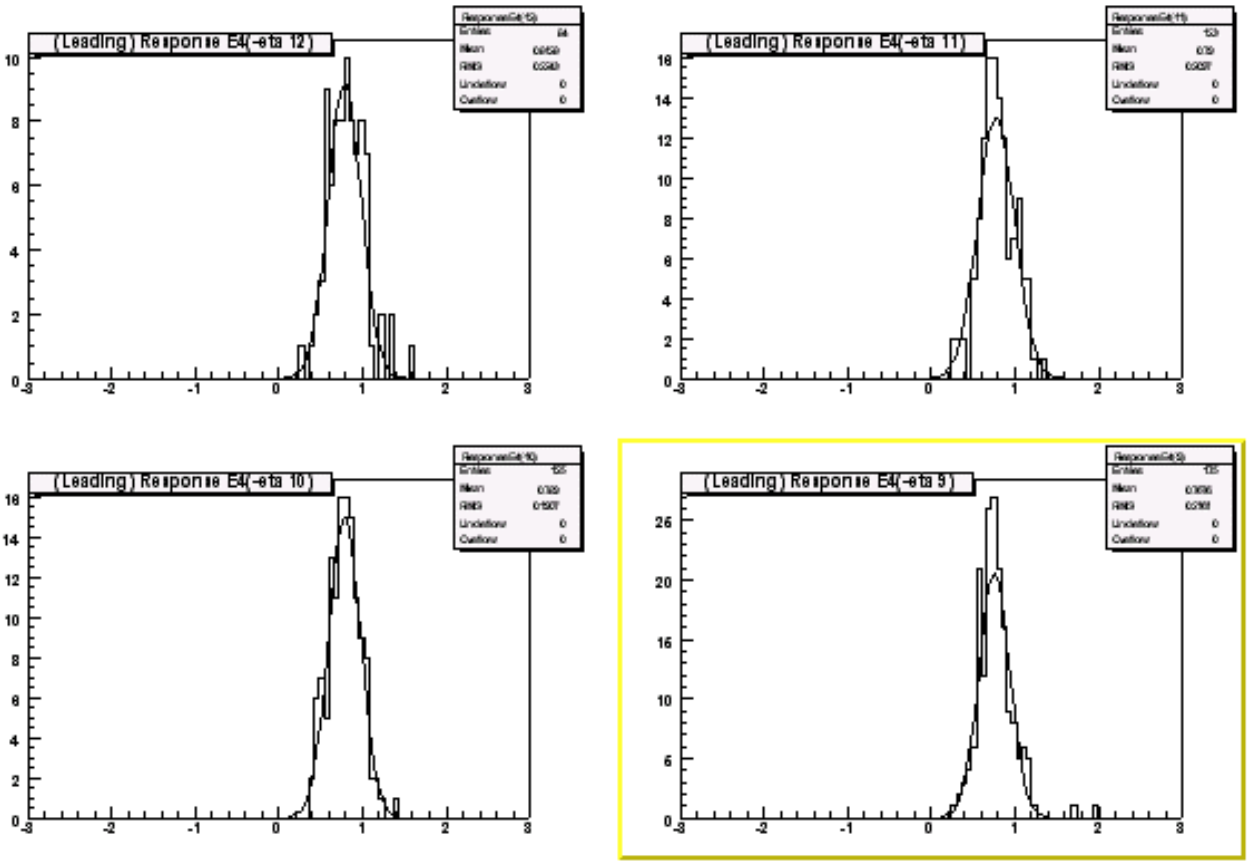
Offset Corrected Data: PMEta



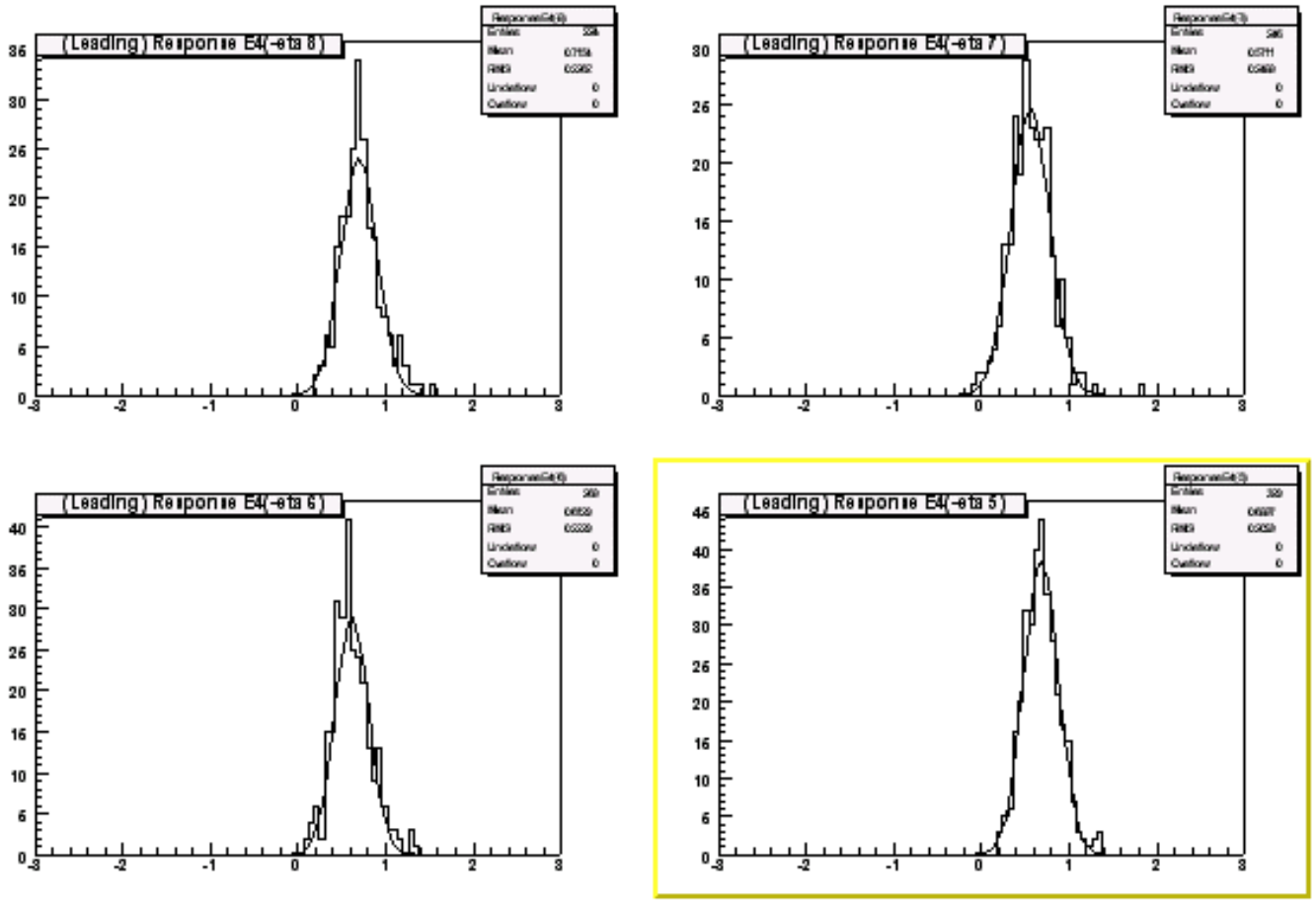
Data - Eta Fits



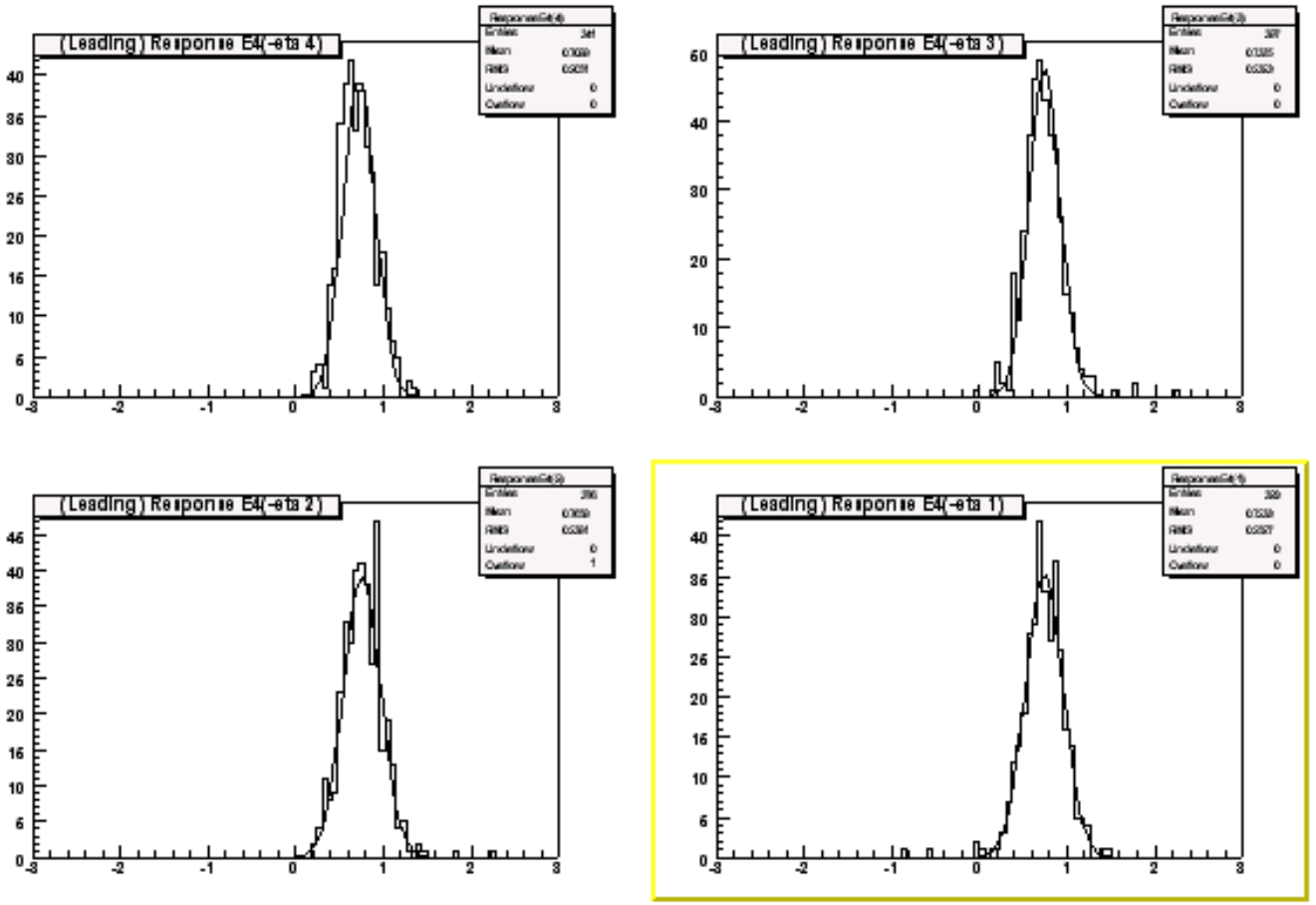
Data - Eta Fits



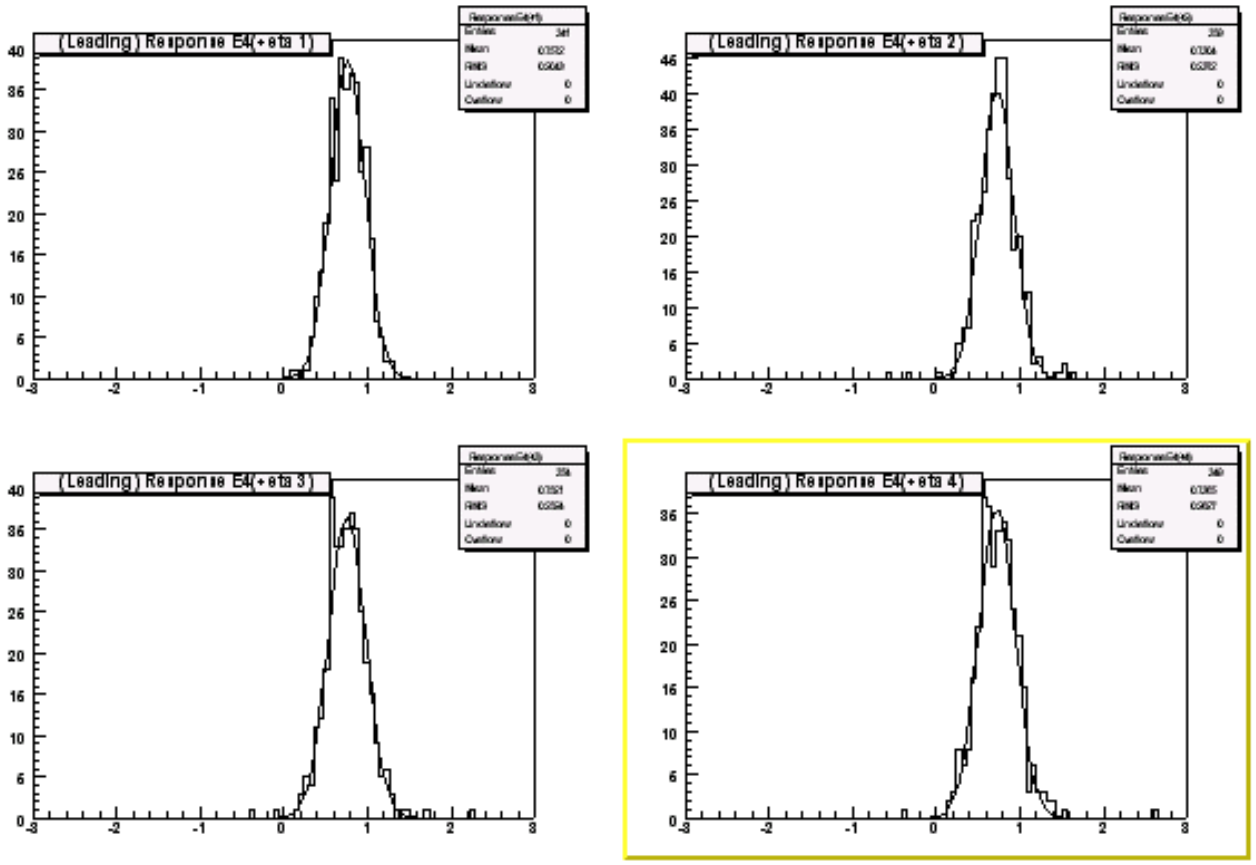
Data - Eta Fits



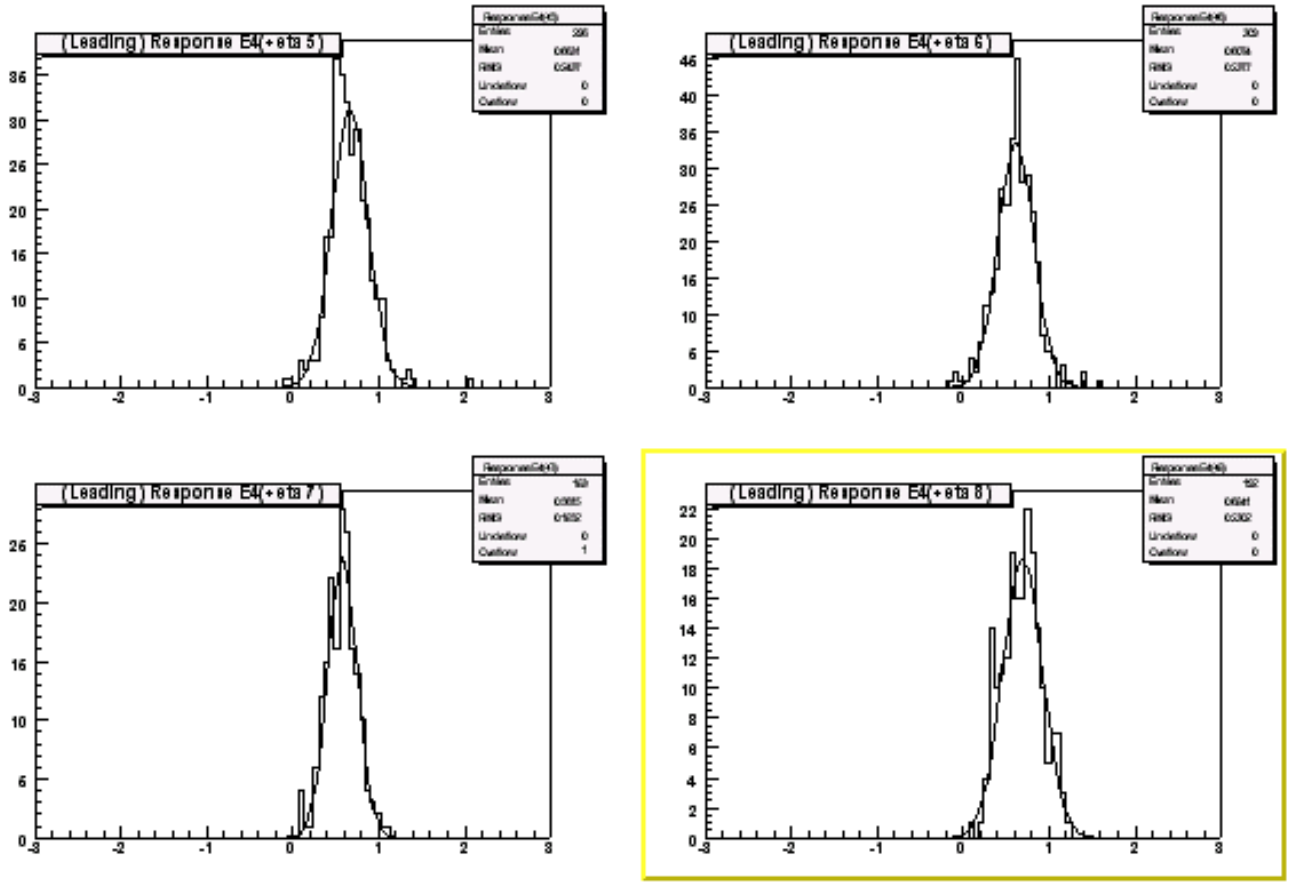
Data - Eta Fits



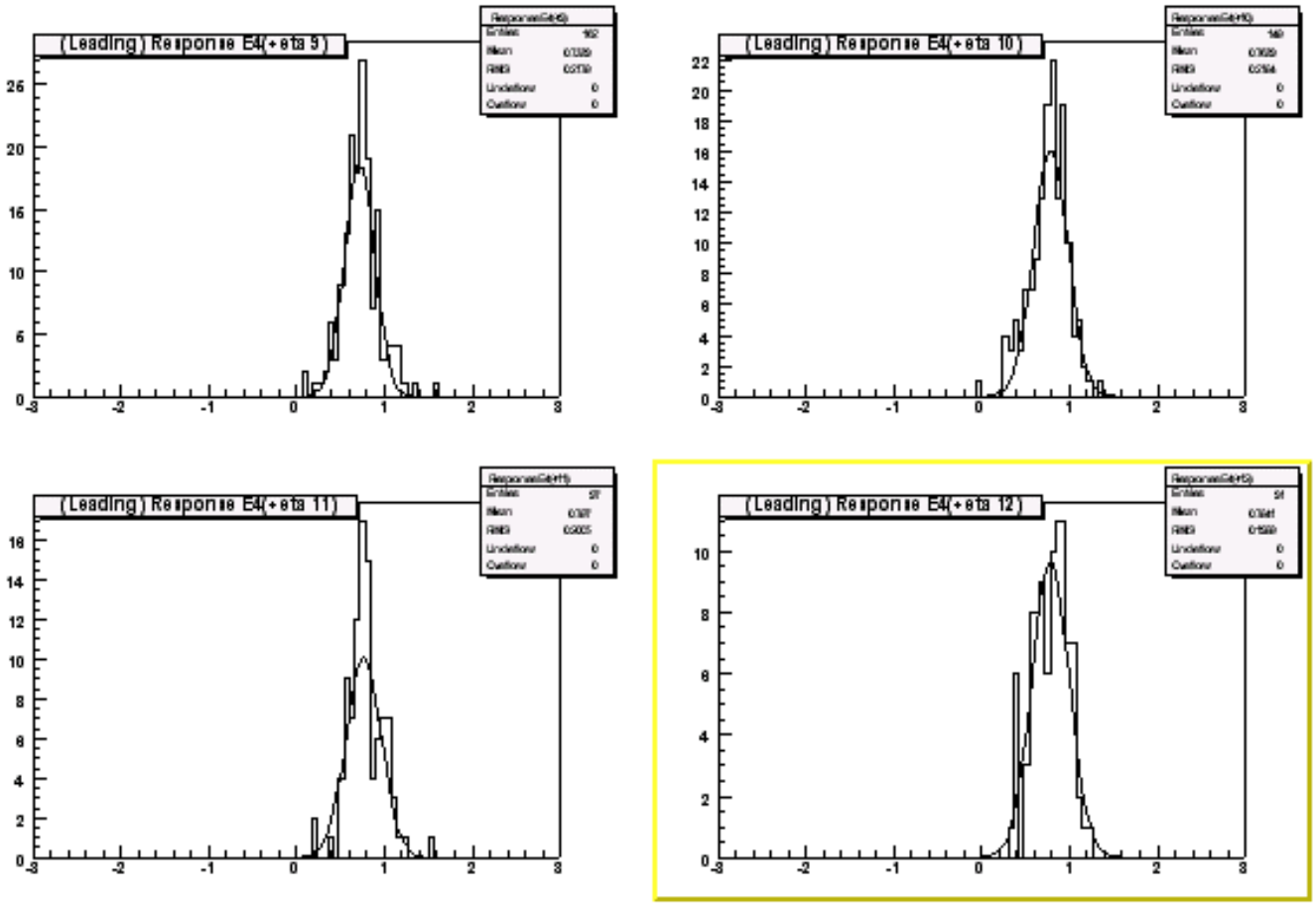
Data - Eta Fits



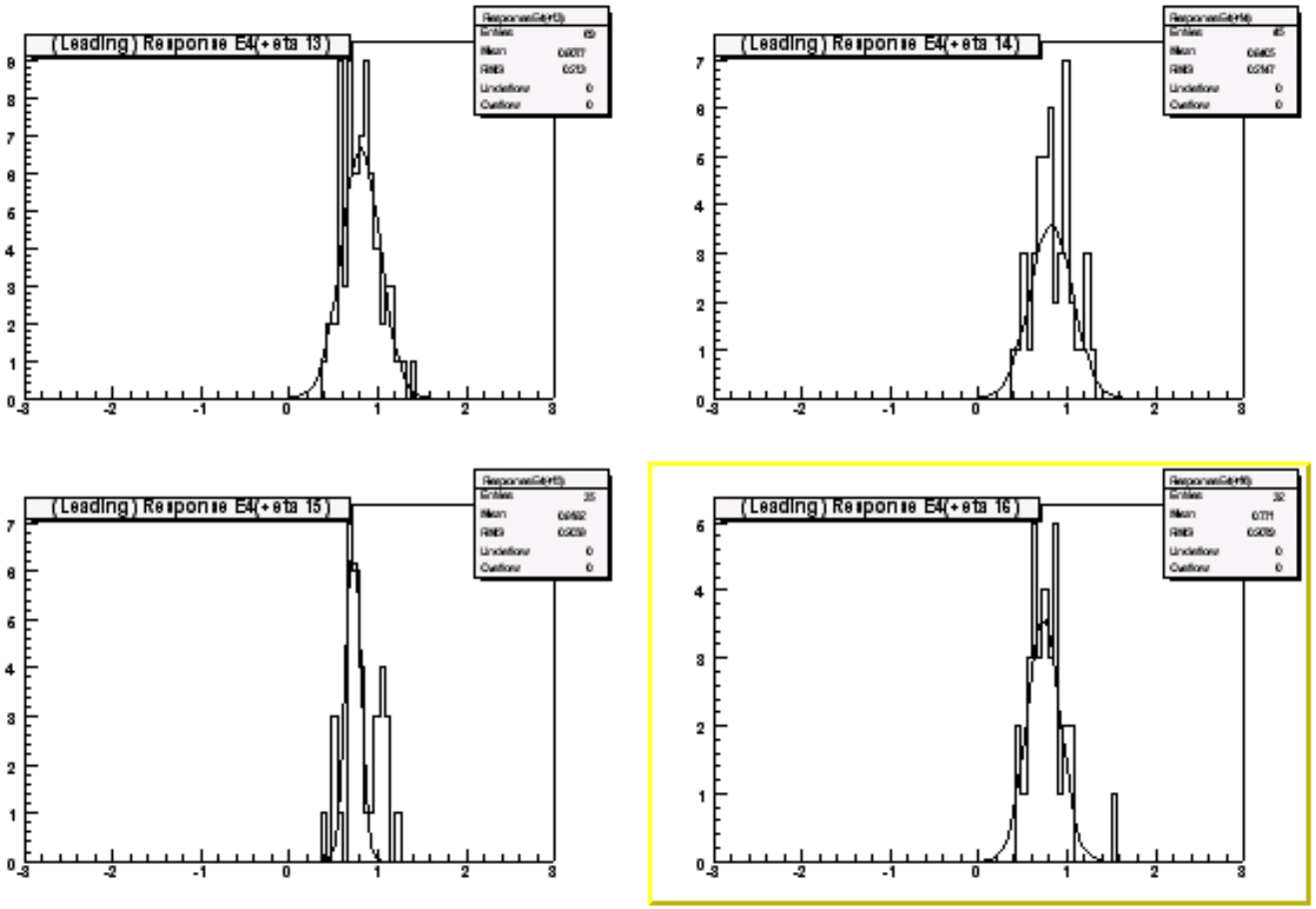
Data - Eta Fits



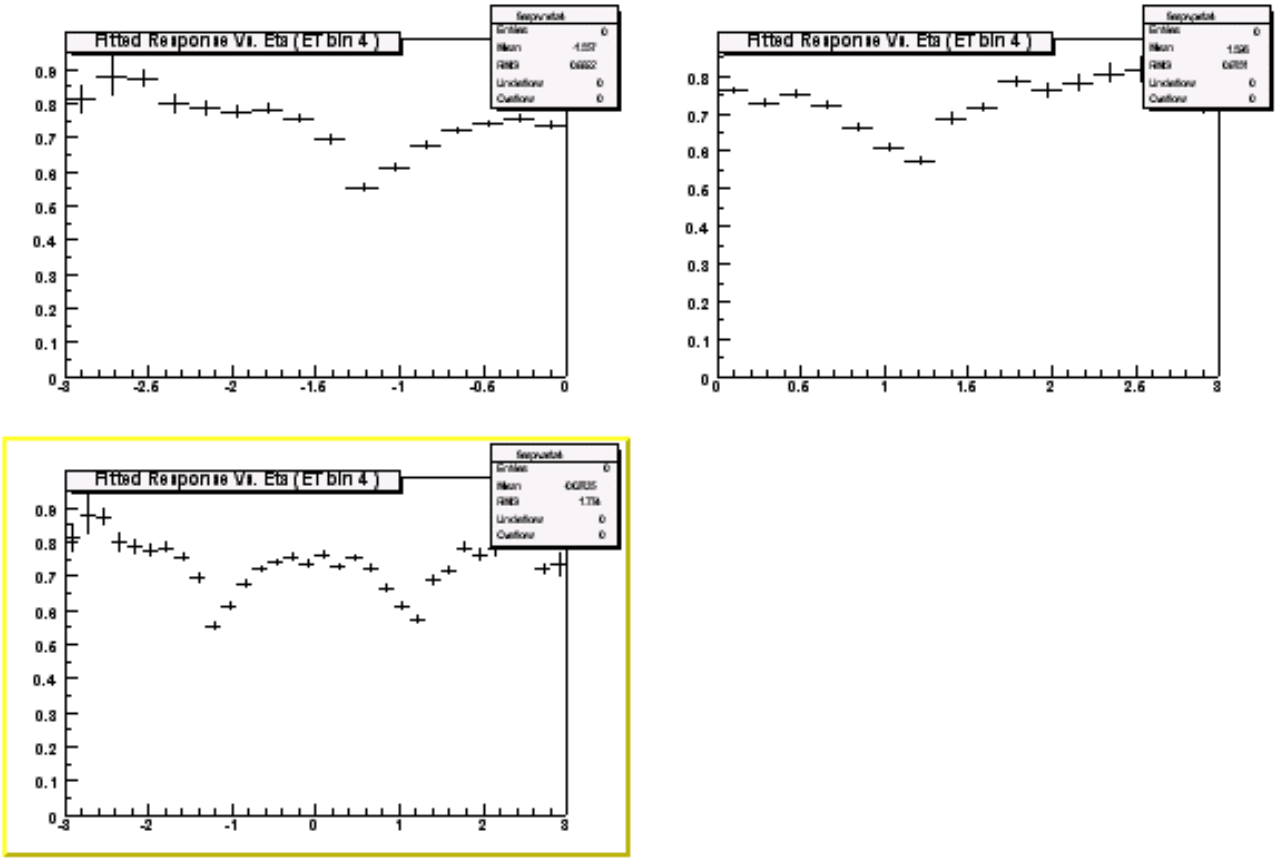
Data - Eta Fits



Data - Eta Fits

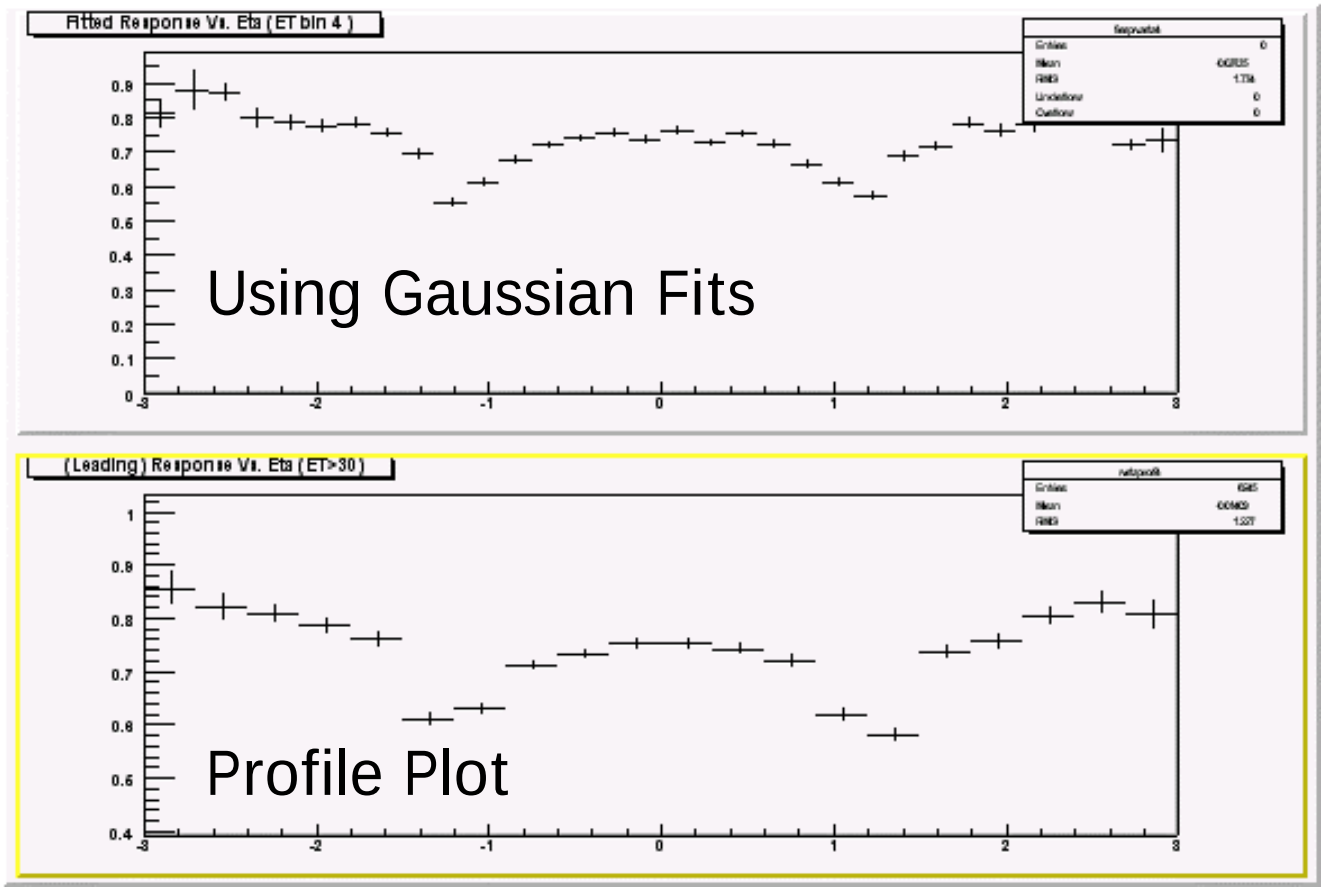


Data - Eta Fits



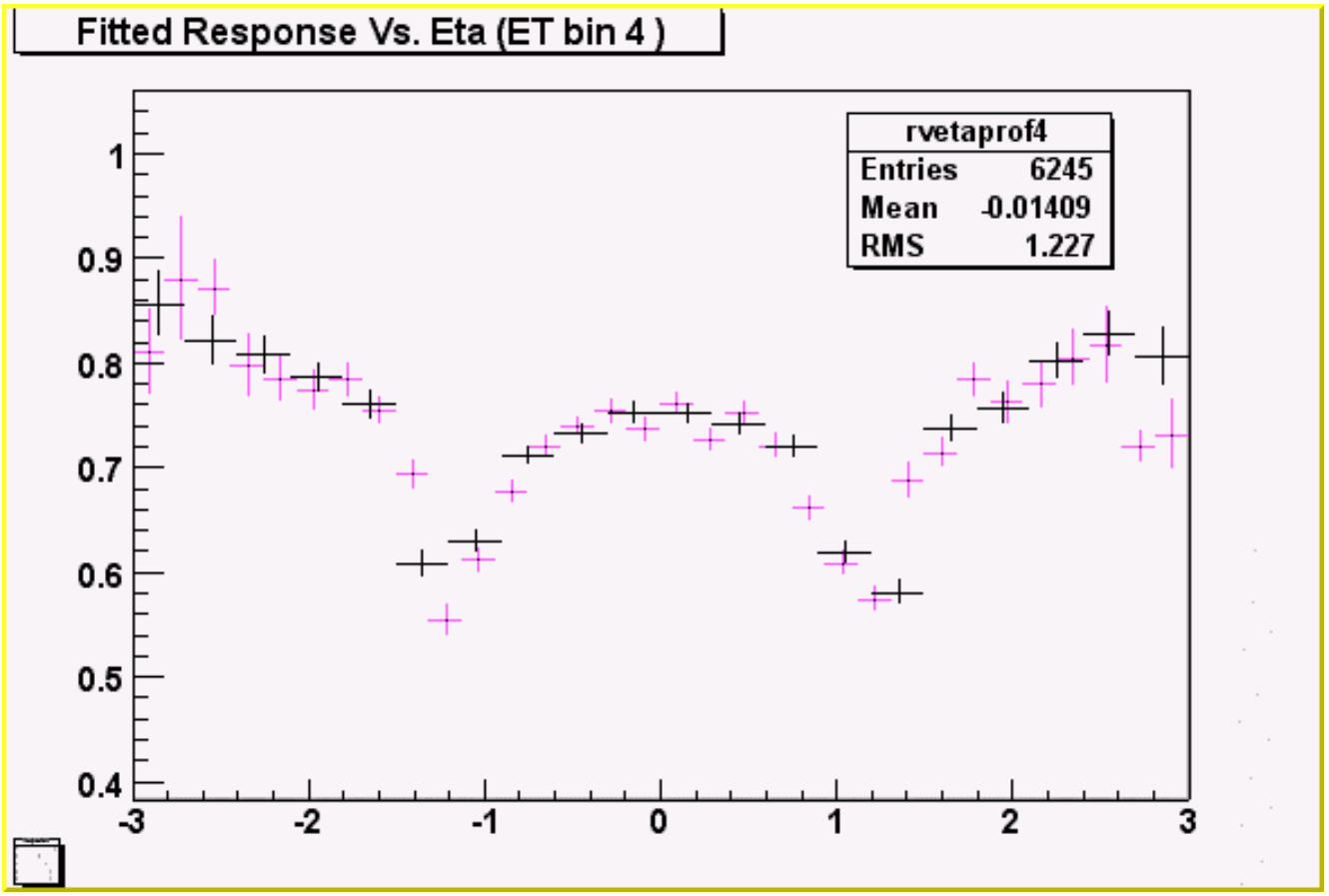
Data - Eta Fits

- **E > 30 GeV**
- **Full Eta range, no energy correction**



Data - Eta Fits

- **pink: plot using gaussian fits to eta bins**
- **black: profile plot (uses mean of eta bins)**



Next steps

- **Would like to calculate eta dependence using gaussian fits and compare it to profile plot**
- **Still need cryo factor**
  - **I assume +/- eta dependence is the same**
- **Ratio of data/MC in eta region for corrected/uncorrected**