

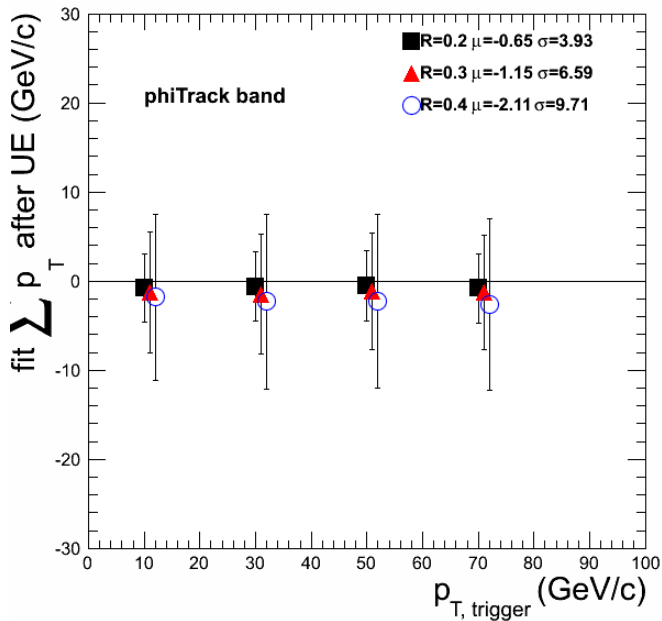
Background subtraction in PbPb

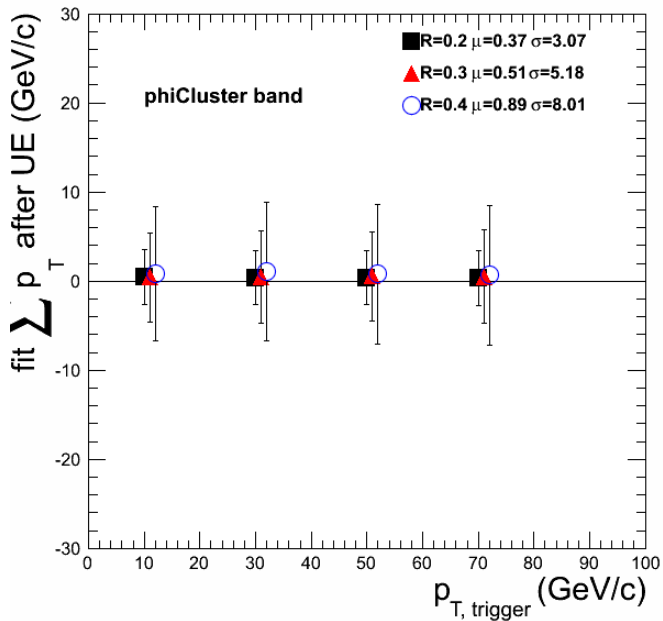
Catherine Silvestre (LPSC)

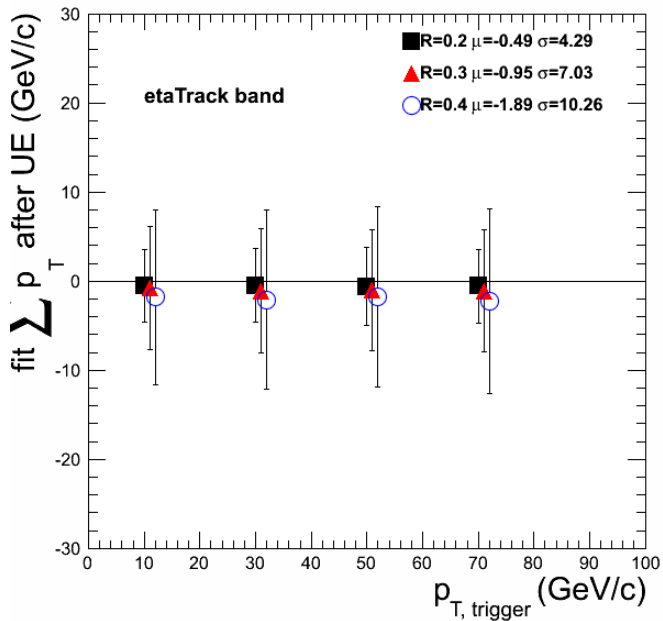
April 22, 2013

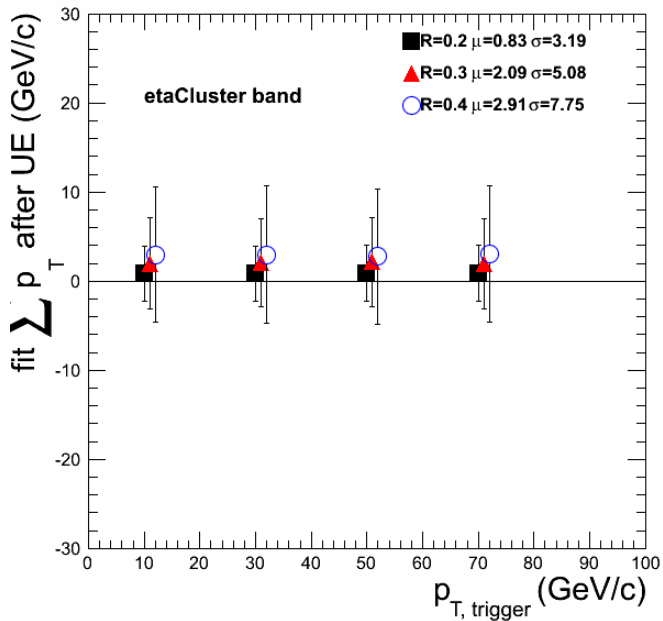
$\sum p_T \mu$ after subtraction in bands vs. p_T

- μ is < 0 for tracks and > 0 for clusters
- The bigger is R the bigger $|\mu|$ gets.
- $\mu_{\phi\text{band}} < \mu_{\eta\text{band}}$



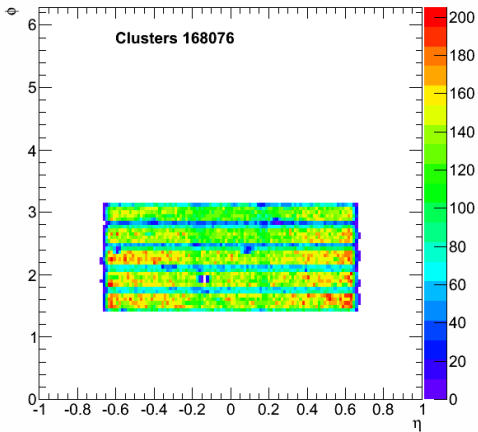
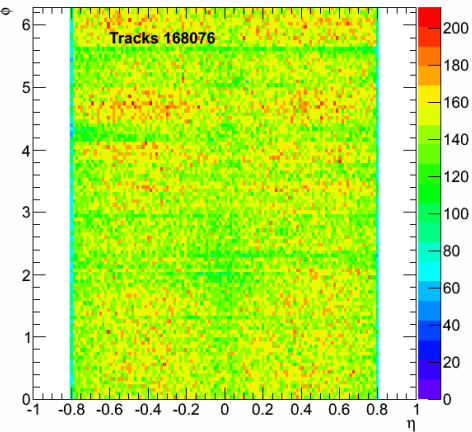


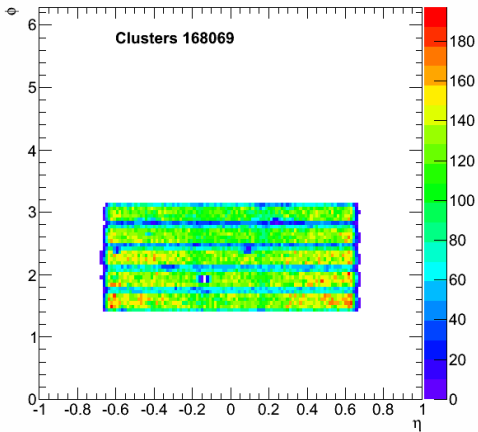
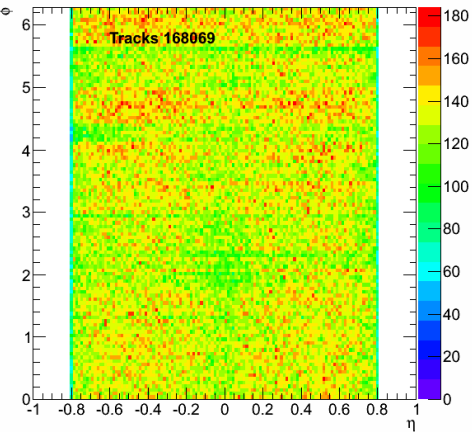


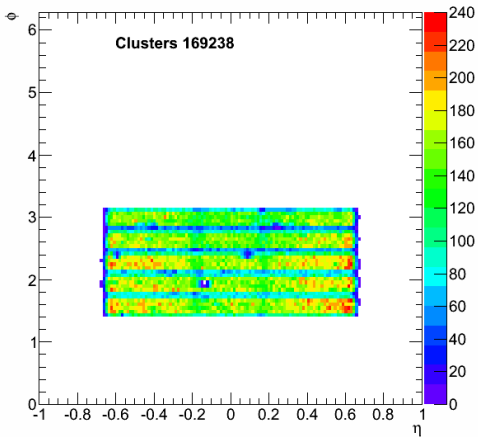
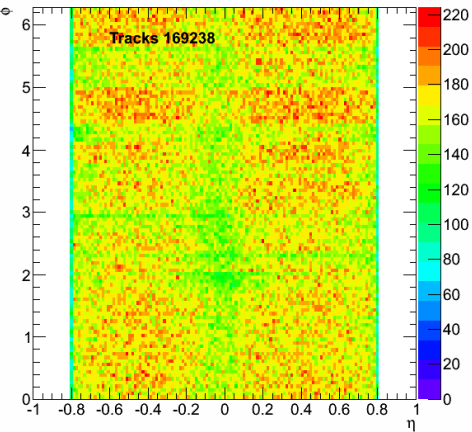


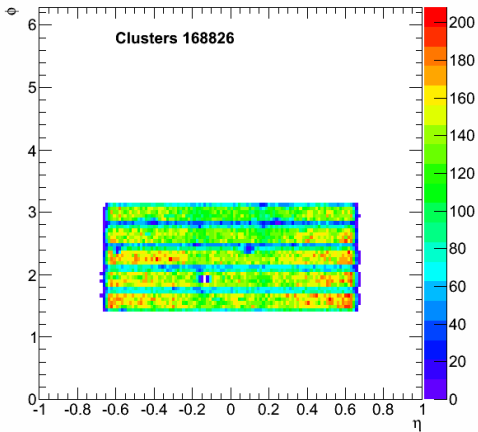
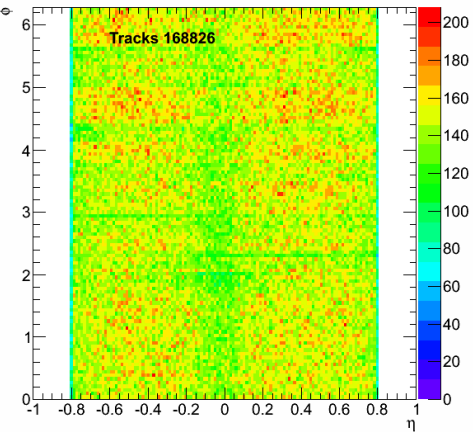
η vs. ϕ vs. runnumber

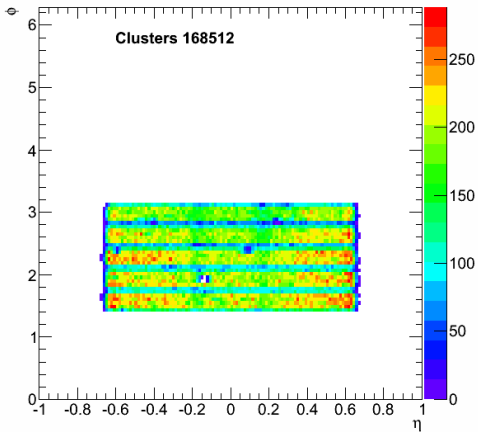
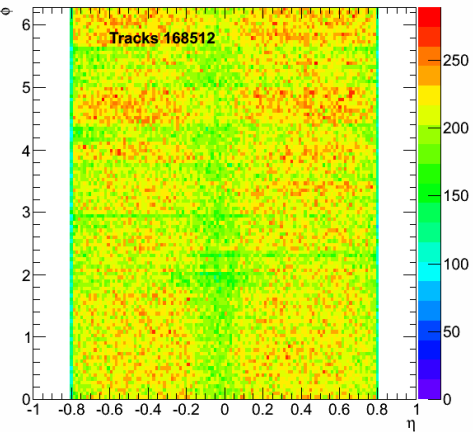
- runs : 168069, 168076, 168512, 168826, 169238, 169515, 169846, 169855, 170088, 170228
- For tracks, $\eta:\phi$ is symmetric but less for clusters vs. ϕ
- Prob for tpc in runs : 169515, 170228, 170088 \Rightarrow bias

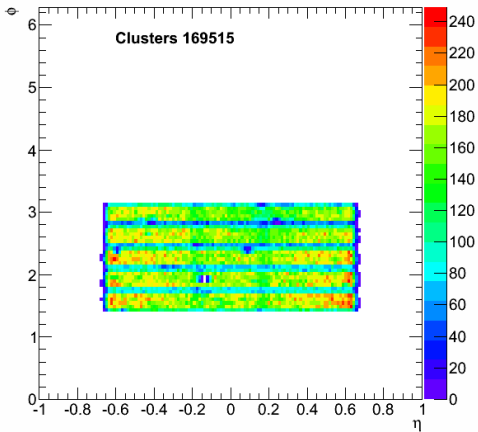
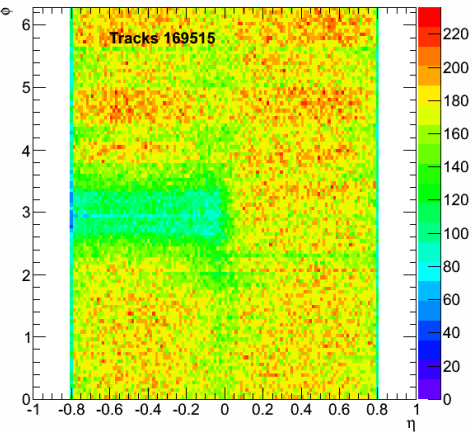


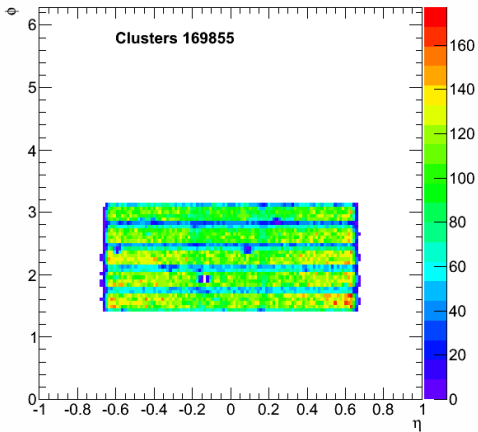
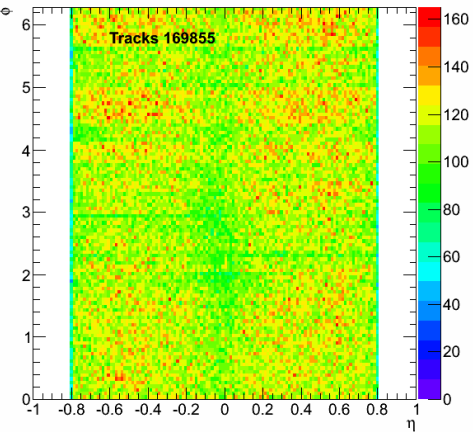


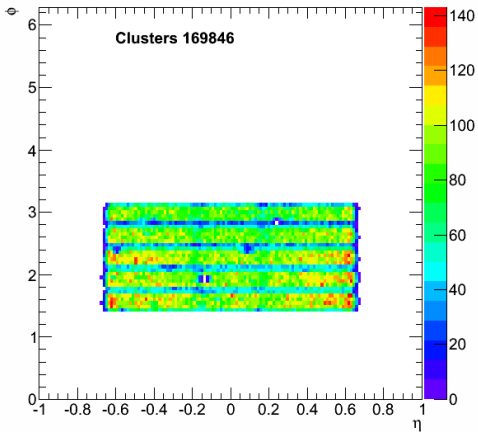
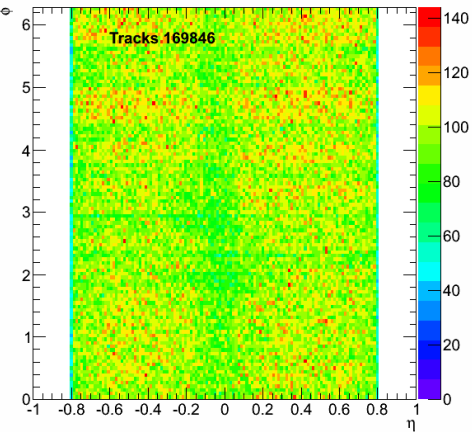


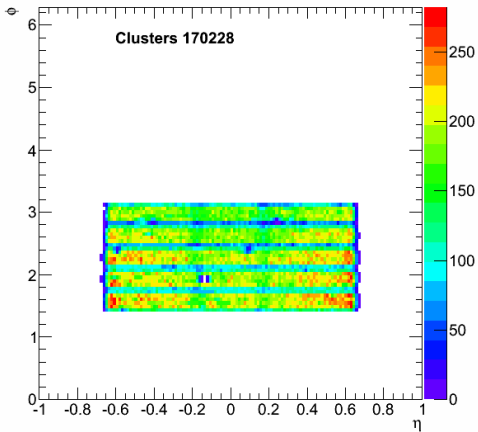
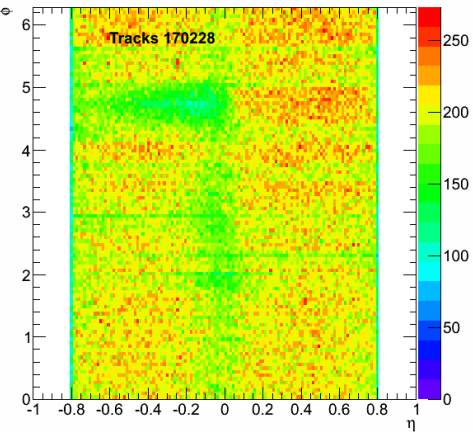


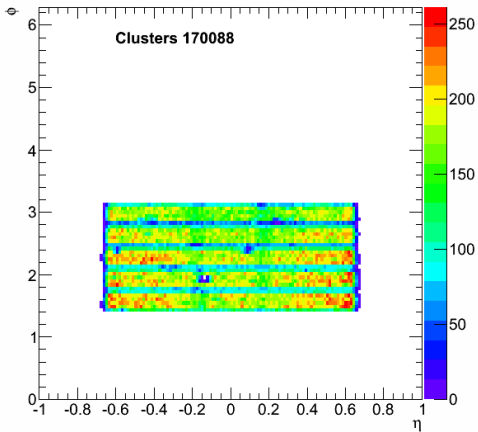
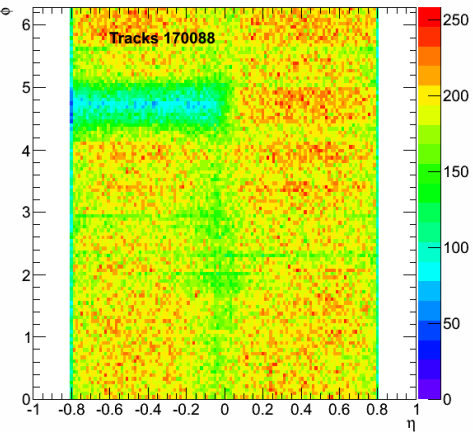












todo

- Check subtraction when using only good runs
- Look at embedding