

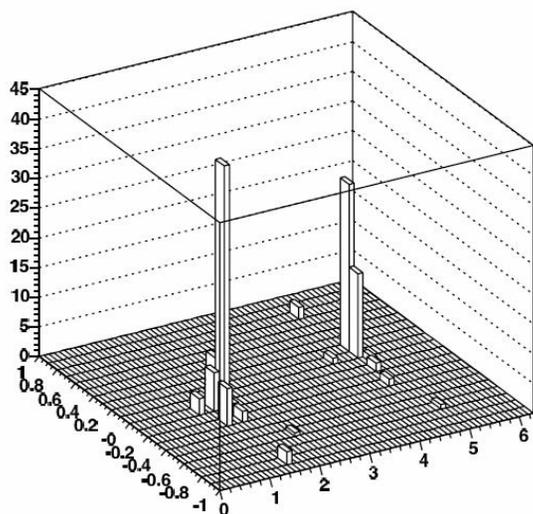
Second analysis of Jets from p-p collisions at LHC $\sqrt{s} = 14$ TeV.

→ 300.000 pp events

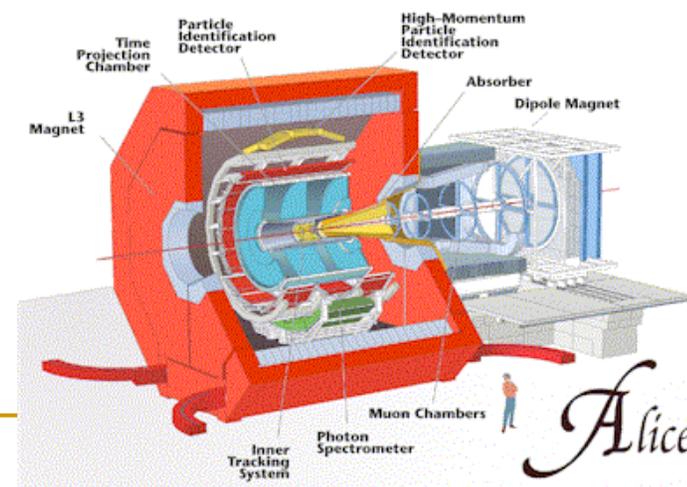
→ $R = 0.7$

→ $p_{t \text{ cut}} = 0.3$

→ $E_{t \text{ cut}} = 2$



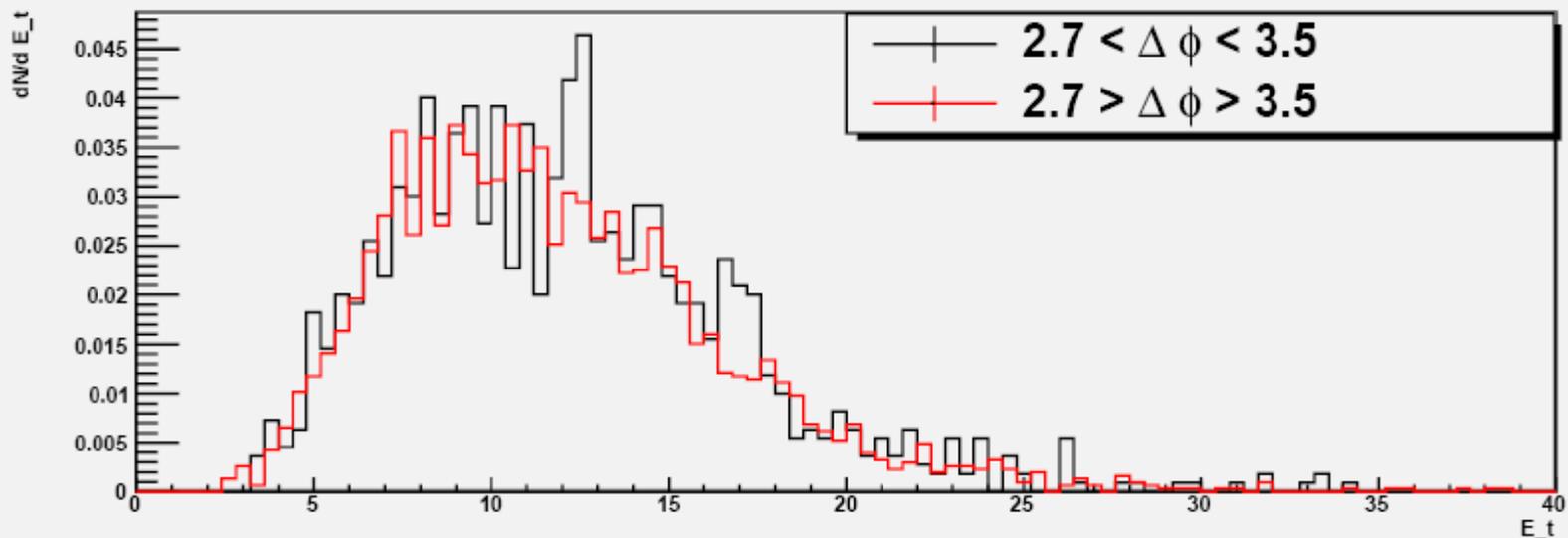
Leonid Serkin
(HELEN-ICN)



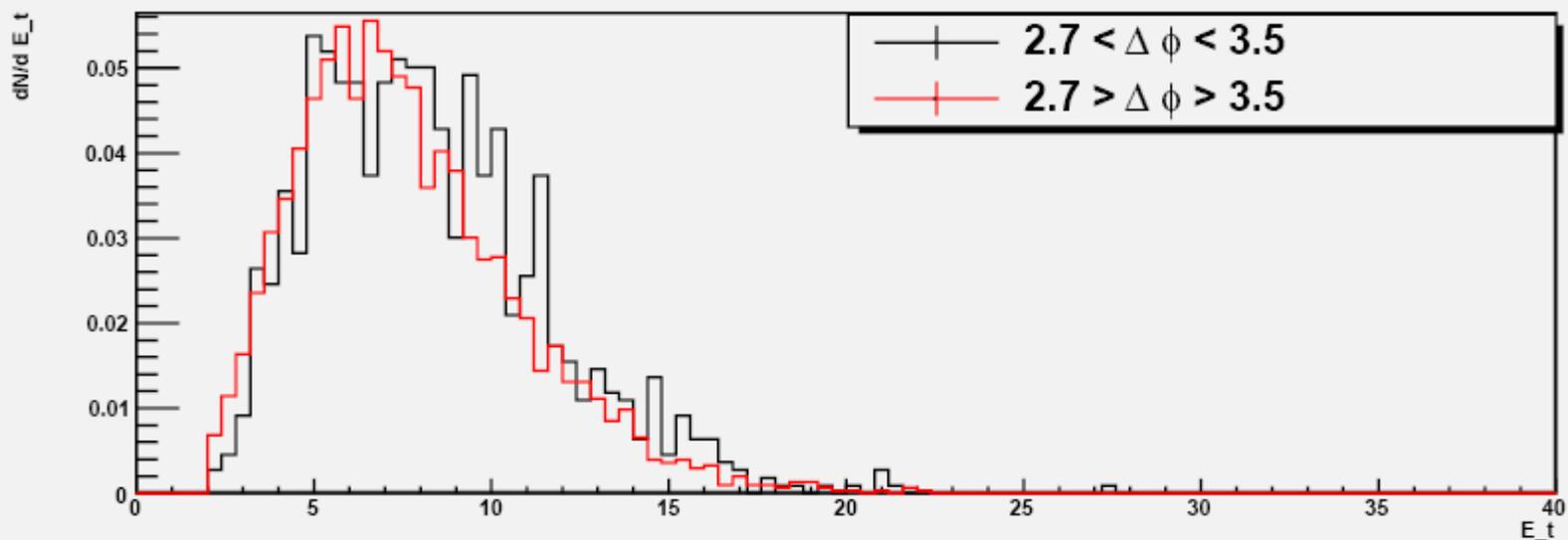
Alice

Trying to find what transverse energy do jets have inside and outside the usual definition dijets.

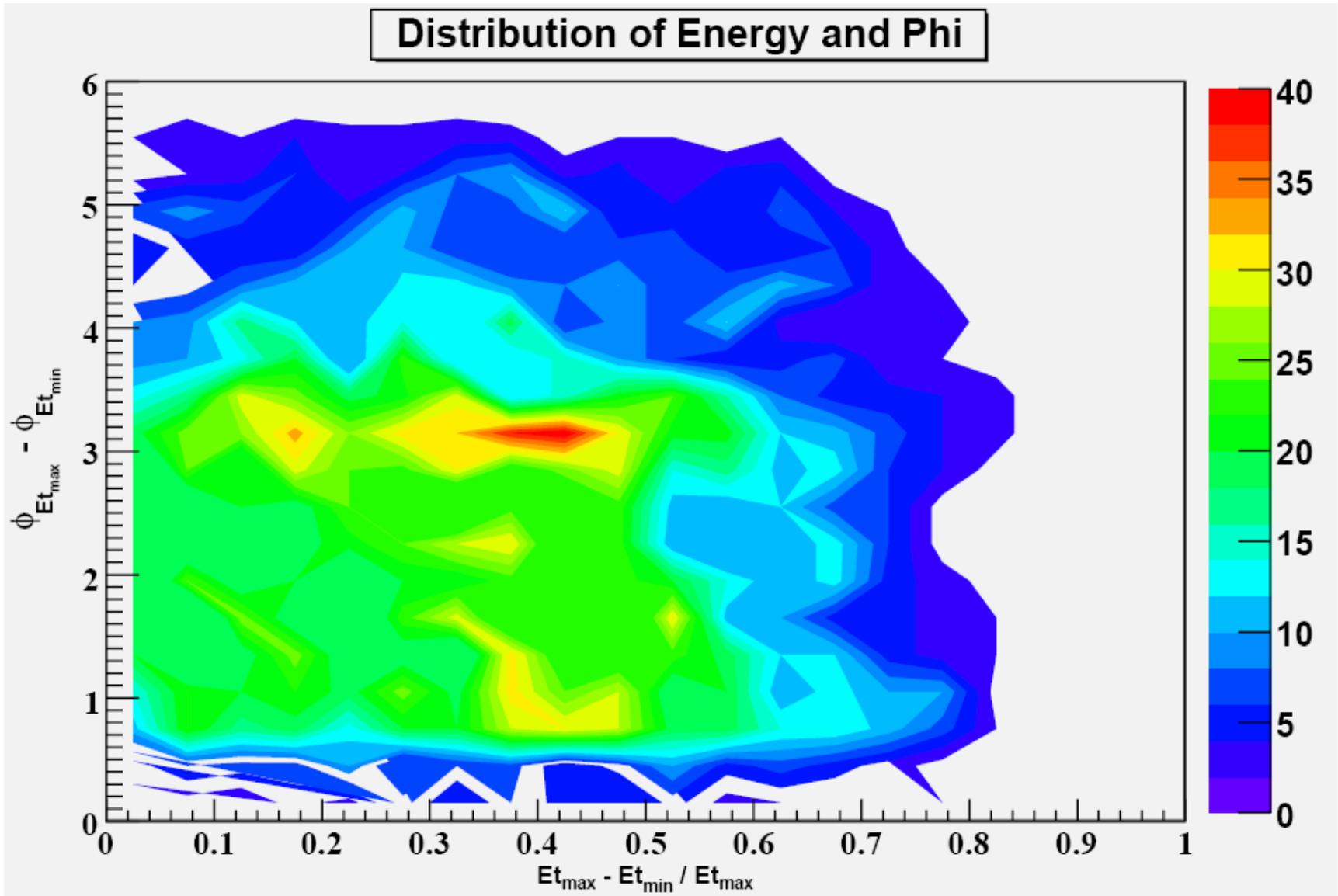
Normalized distribution of E_t of Jet 1



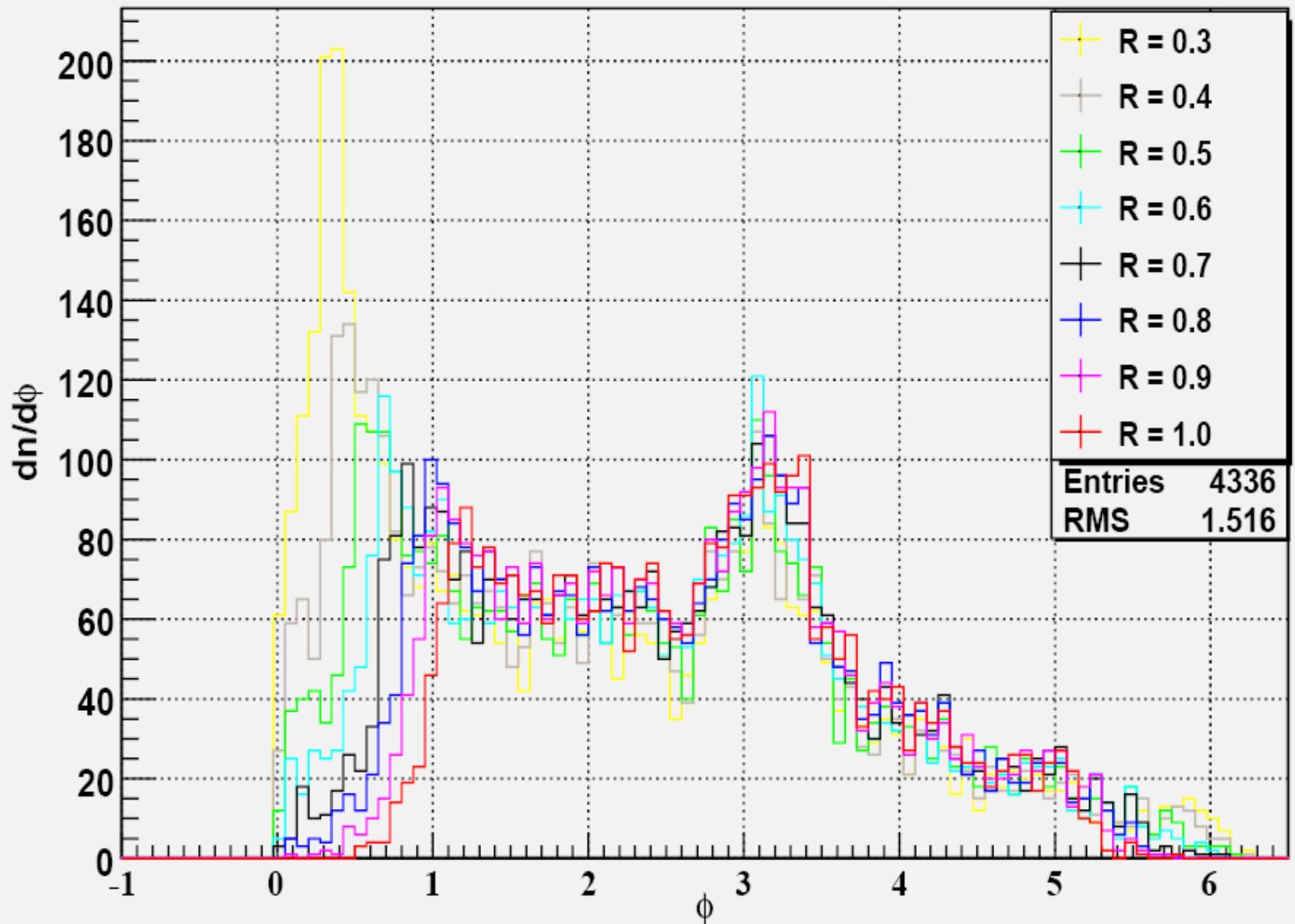
Normalized distribution of E_t of Jet 2



Distribution of transverse energy and delta phi

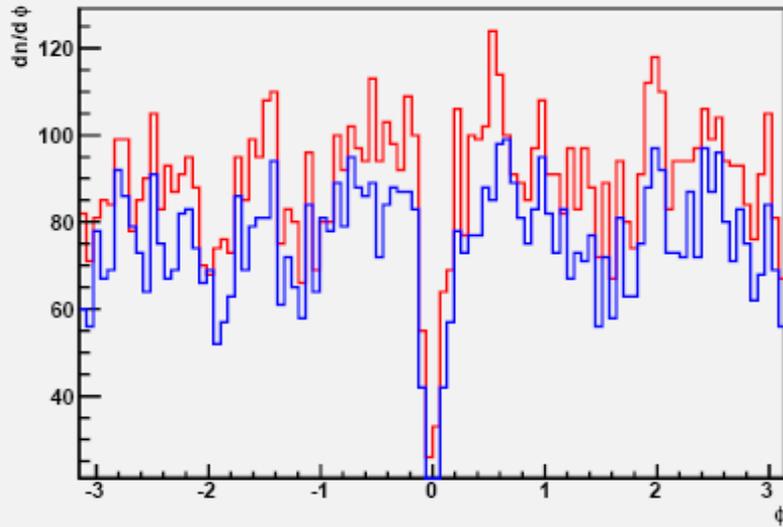


Distribution of DeltaPhi for different radius of the Jet Finder

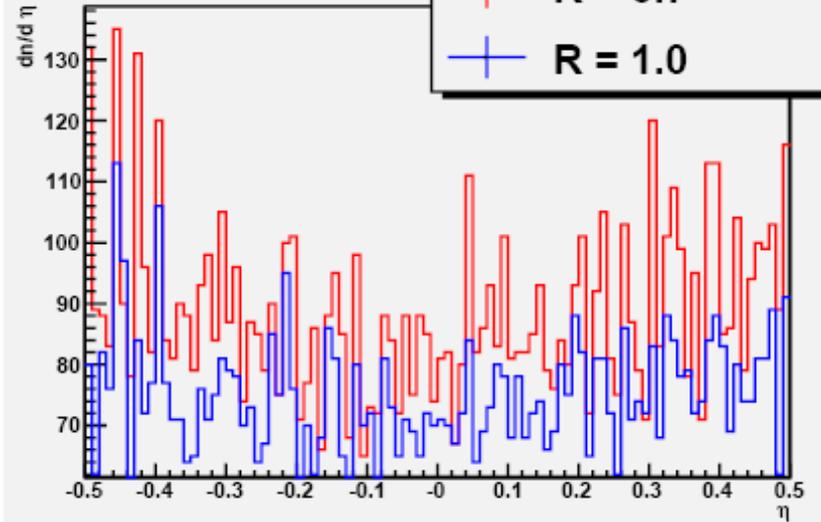


Differences between $R = 1.0$ and $R = 0.7$

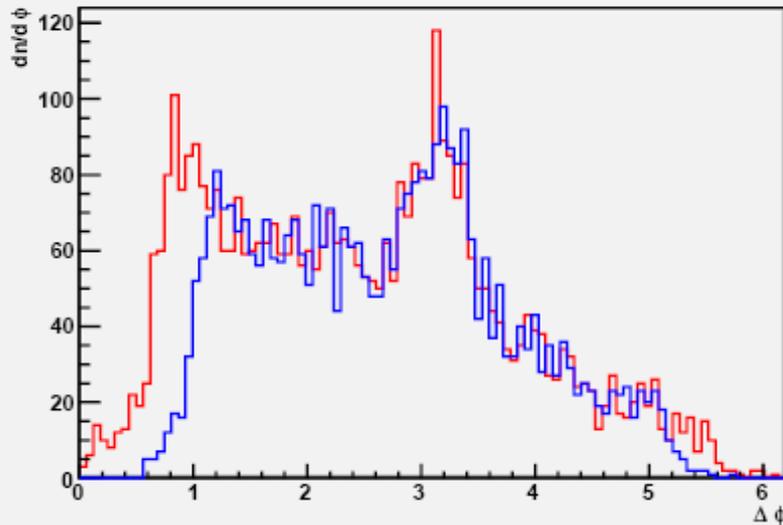
Distribution of Phi



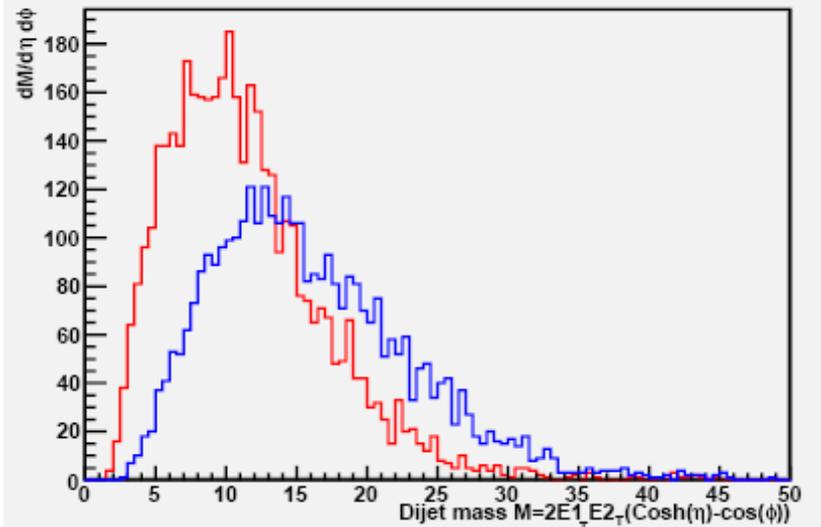
Distribution of Eta



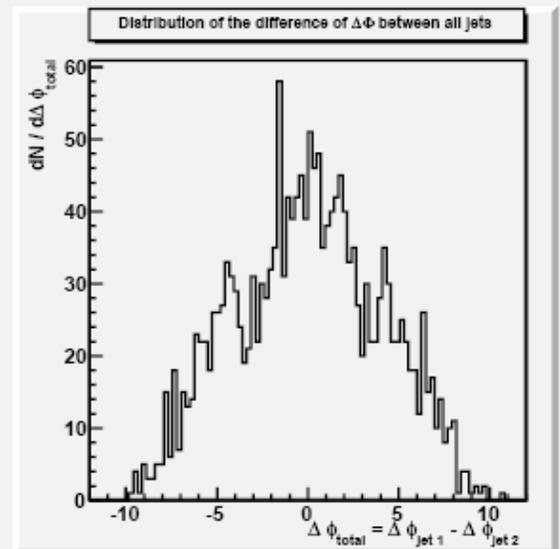
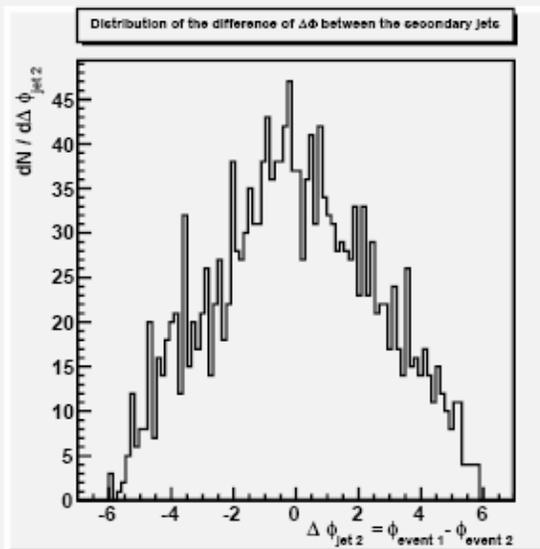
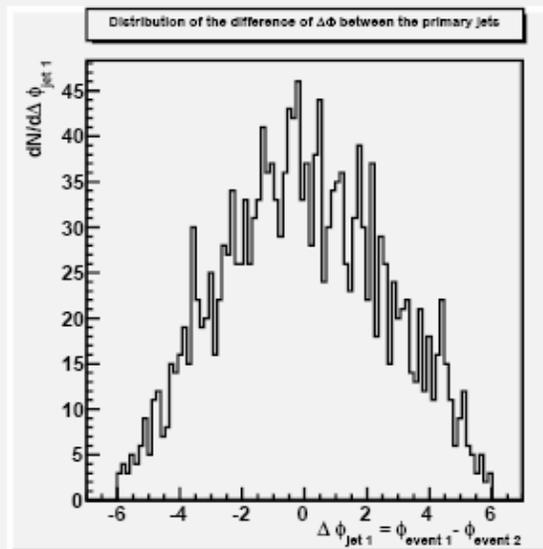
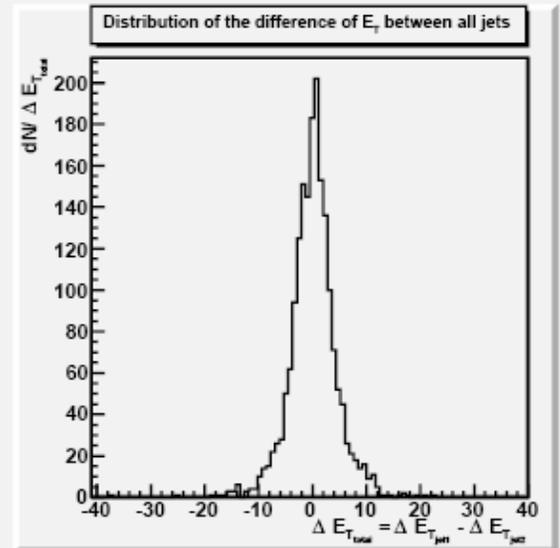
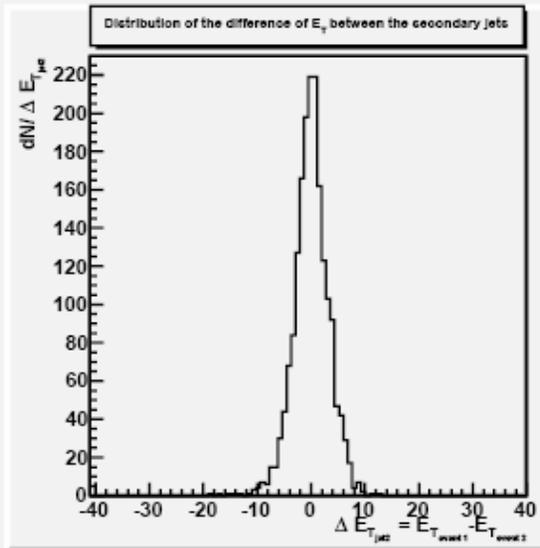
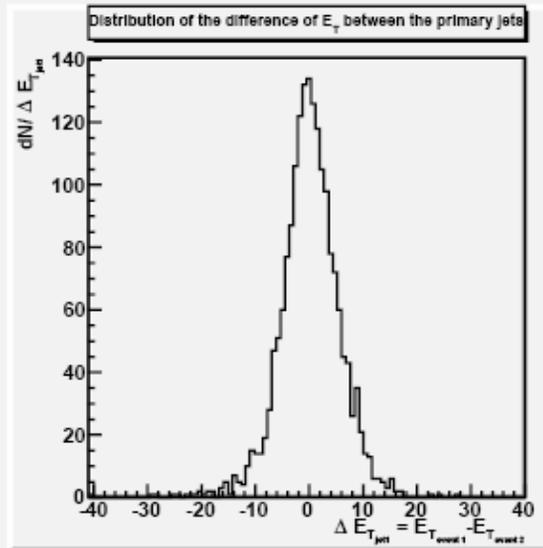
Distribution of DeltaPhi



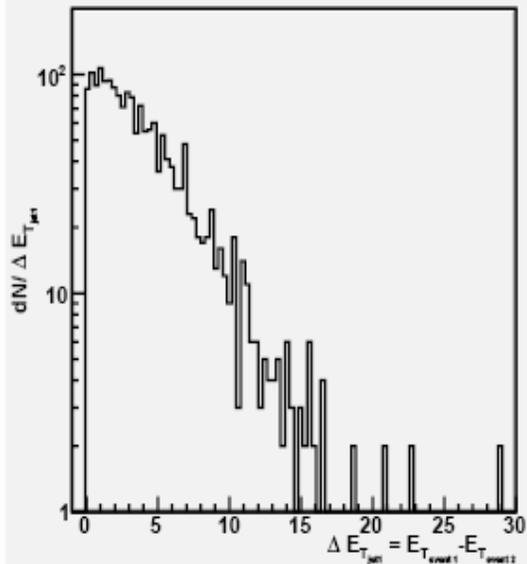
Distribution of Dijet Mass



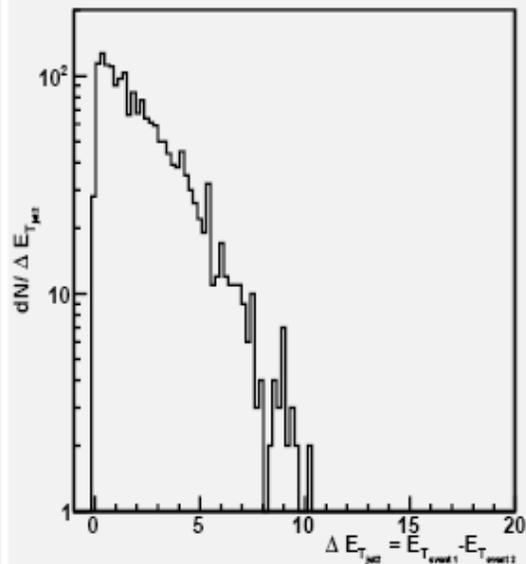
Event – by – event analysis for E_t and D_ϕ



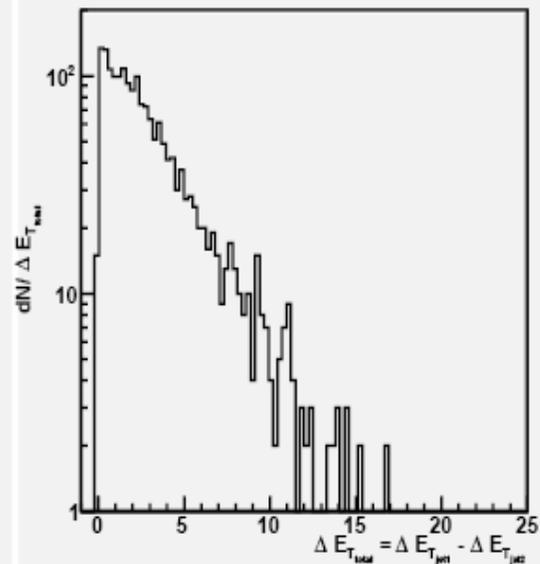
Distribution of the difference of E_T between the primary jets



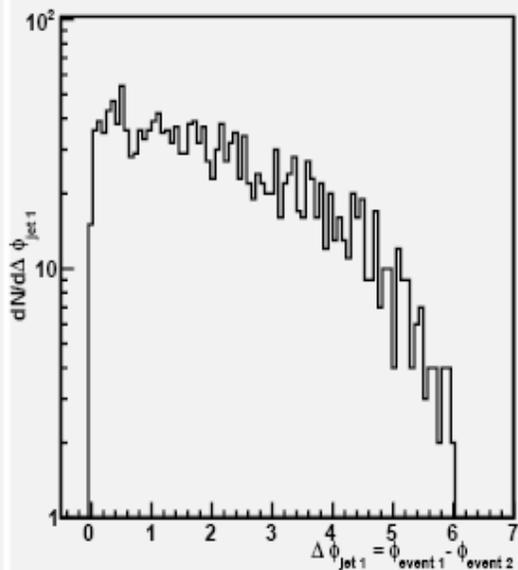
Distribution of the difference of E_T between the secondary jets



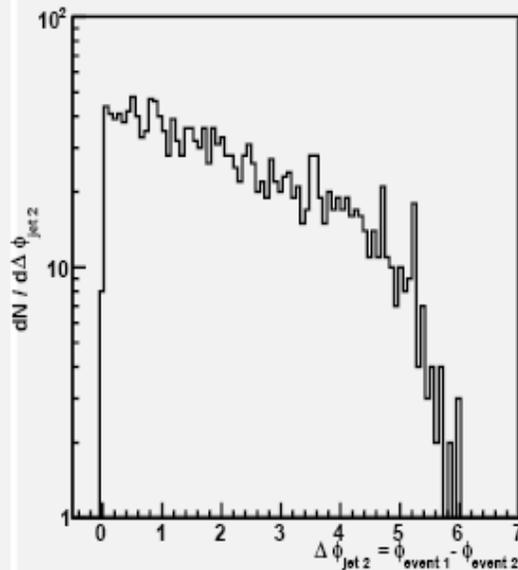
Distribution of the difference of E_T between all jets



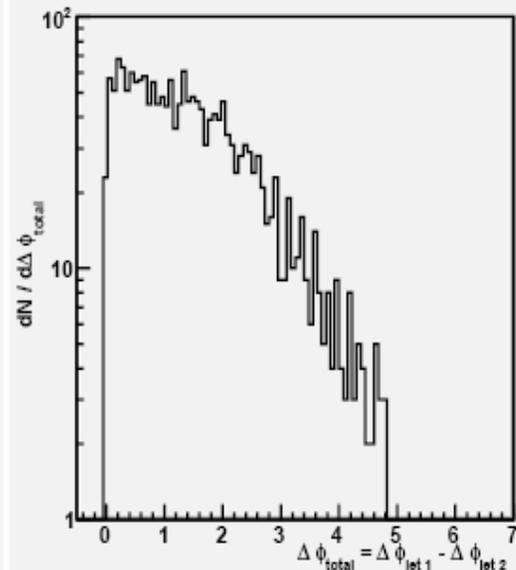
Distribution of the difference of $\Delta\phi$ between the primary jets



Distribution of the difference of $\Delta\phi$ between the secondary jets



Distribution of the difference of $\Delta\phi$ between all jets



To do:

- *PROOF not working properly... memory leaks*
 - *Analyze locally 2.000.000 events*
 - *Expected event-by-event correlations*
 - *B - tagging problem*
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