

SECOND REPORT OF ACTIVITIES AT CERN.

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ICN Meeting.

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ALIROOT PROGRESS:

- Using files on CAF (ESD100_10_110v2.txt):

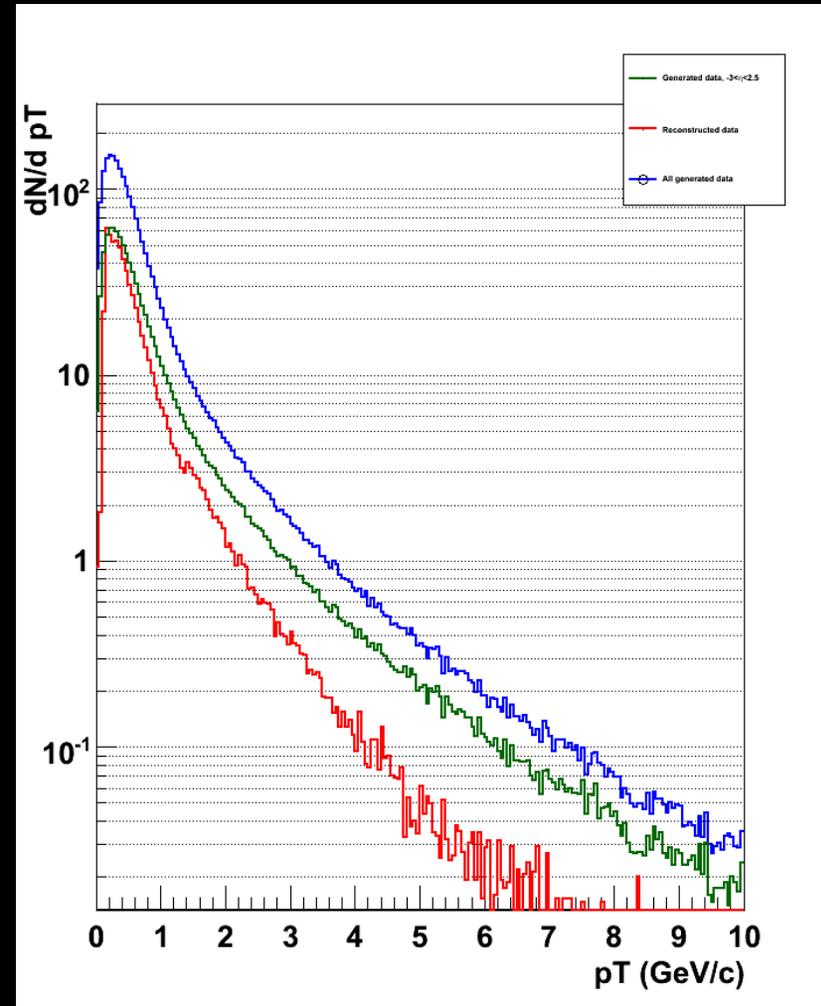
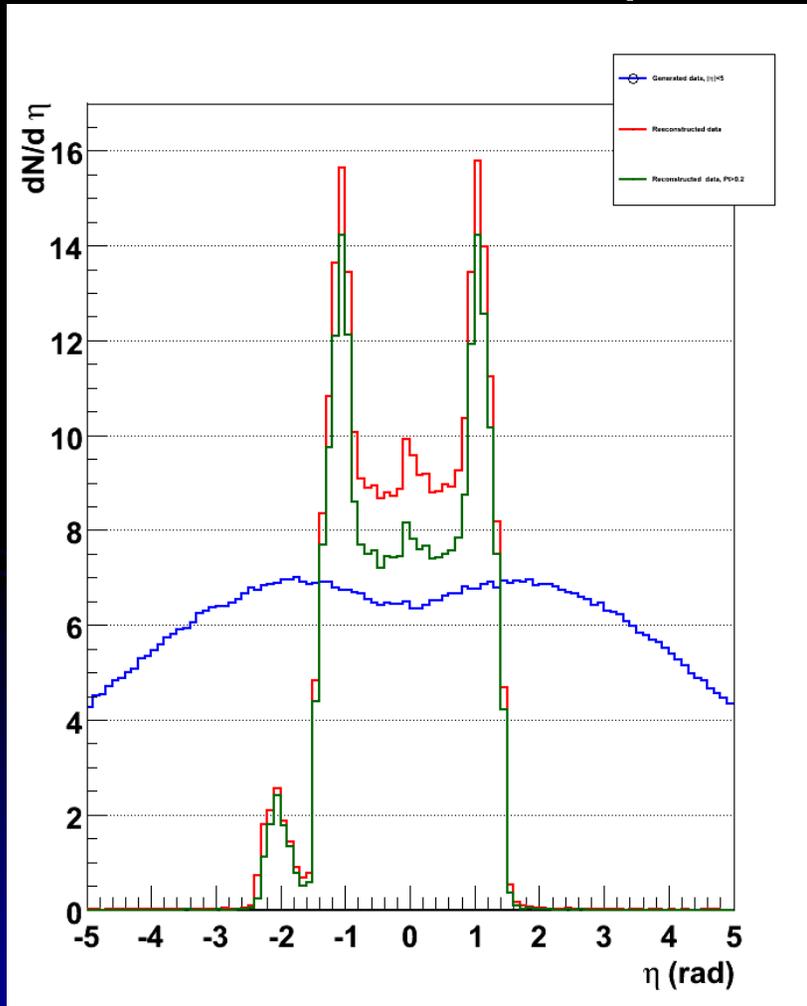
14 TeV, pp, minbias, 3×10^4 events.

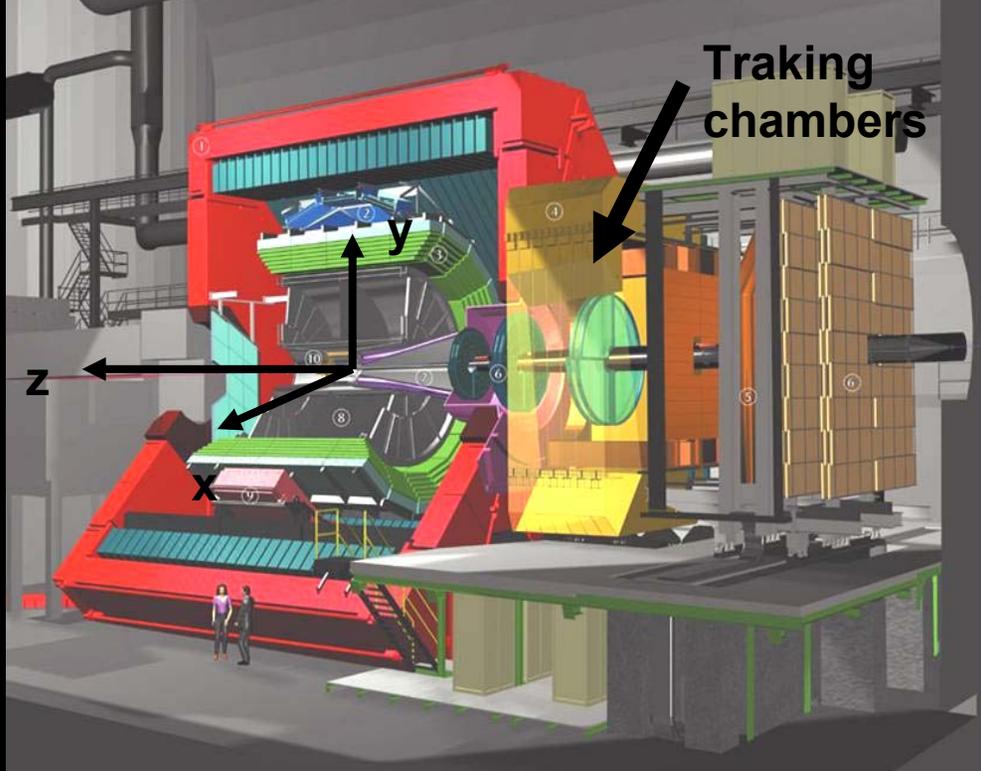
- Comparison between generated events with Pythia (all primary charged particles) and its reconstruction (all reconstructed tracks):

1. Pseudorapidity distribution.
2. Transverse moment distribution.
3. Pseudorapidity vs azimuthal angle.
4. Transverse moment vs pseudorapidity.

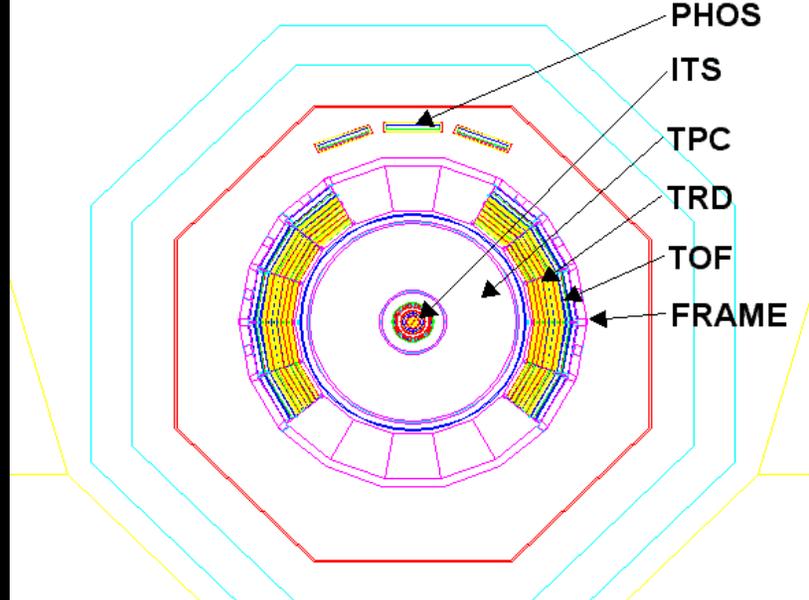
1. Distributions of η and p_T .

Why the η distribution is not symmetric?

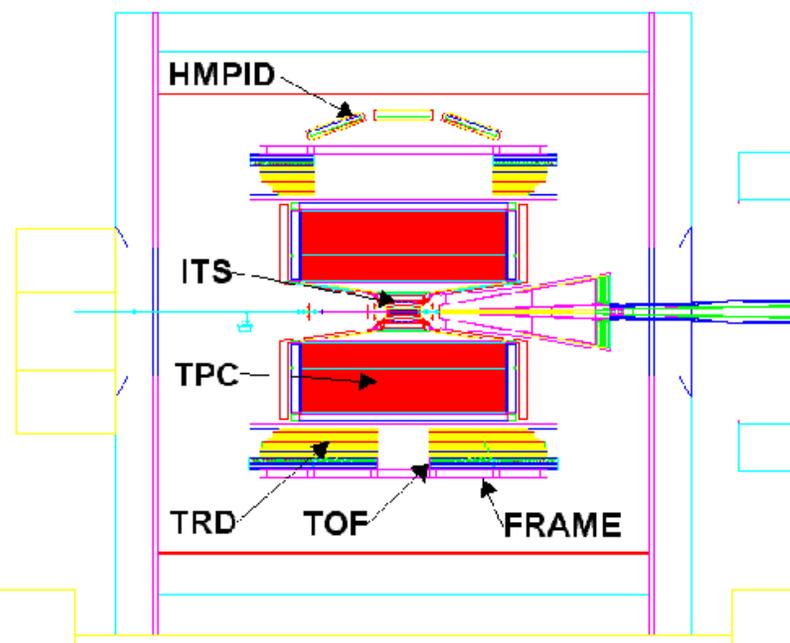




ALICE Front View

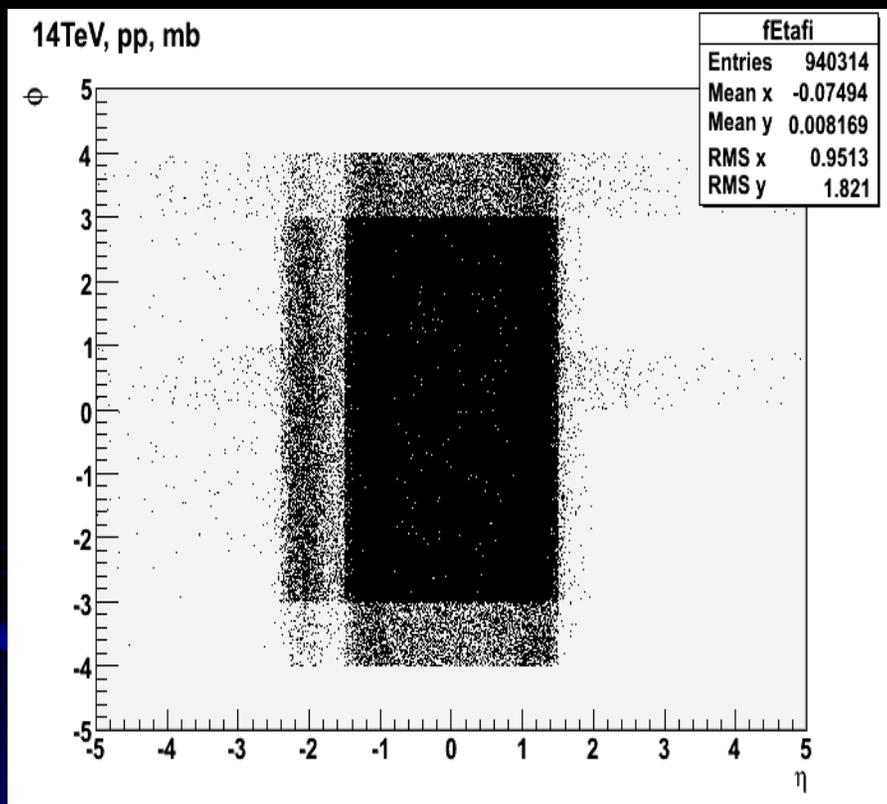


ALICE Side View

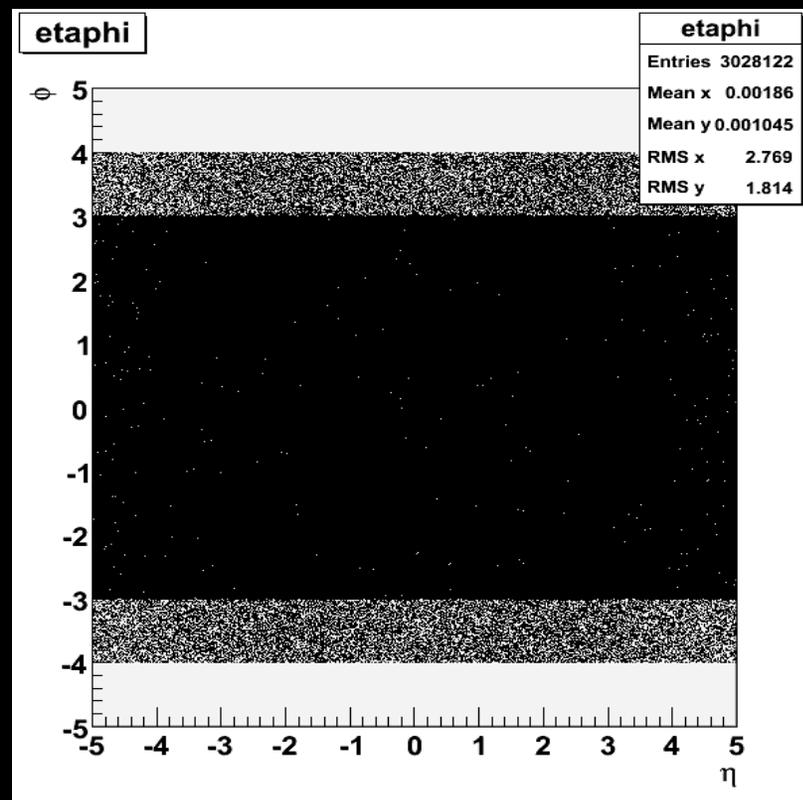


Φ vs η

Reconstructed Events



Generated Events



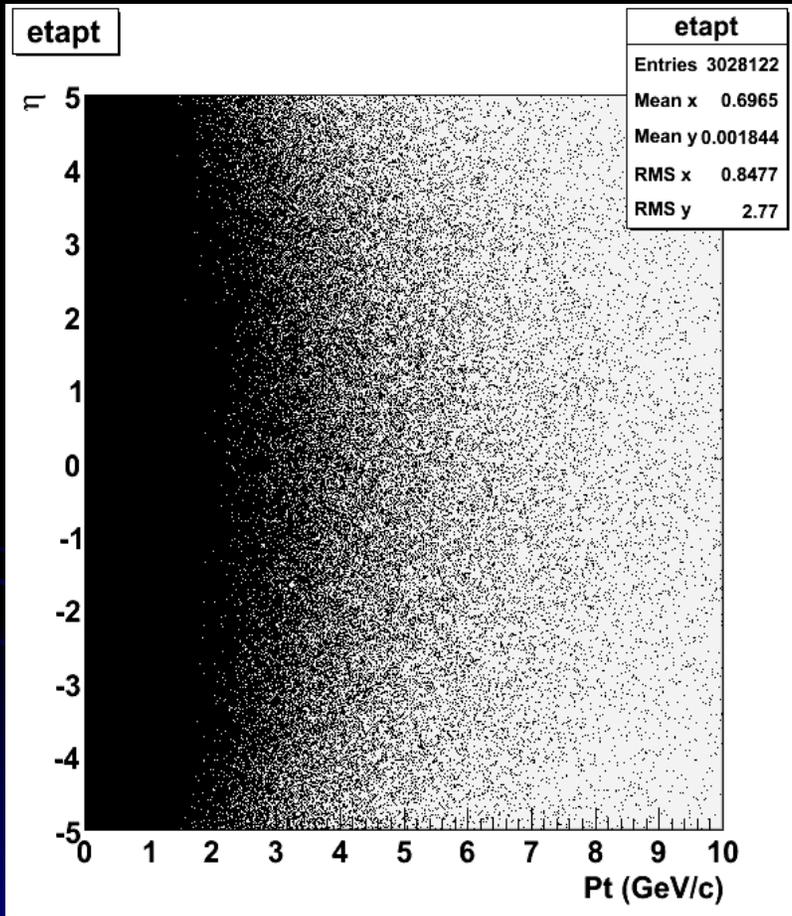
All reconstructed tracks

$\eta \sim -2 \rightarrow \theta \sim 165^\circ$, $\eta \sim 1 \rightarrow \theta \sim 20^\circ$, $\eta \sim -1 \rightarrow \theta \sim 160^\circ$

All primary charged particles

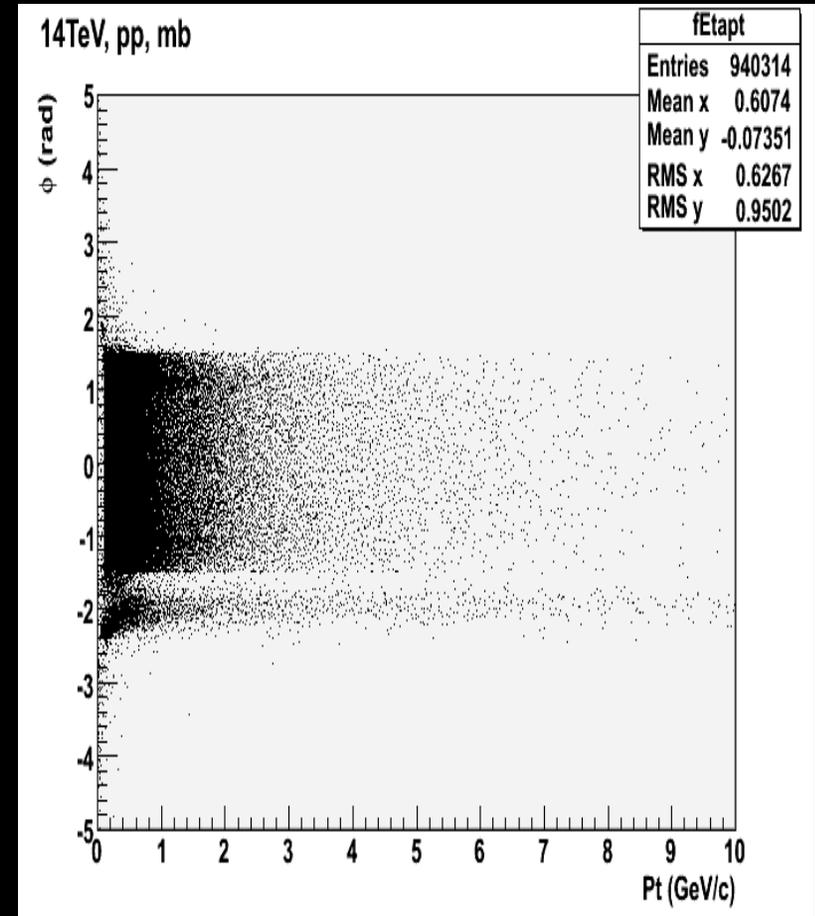
Pt vs Φ

Generated Events



All primary charged particles

Reconstructed Events



All reconstructed tracks