

# 3<sup>rd</sup> Report of activities.

20000 events, pp, 14TeV, mb

- **Quality cuts: to select “good tracks” according to PPRVII:**

$$N_{clustersTPC} > 50$$

$$\frac{\chi^2}{N_{clusterTPC}} < 3.5$$

$$\sigma_y^2, \sigma_z^2 < 2cm^2$$

$$\sigma_{\sin\phi}^2 < 0.5$$

$$\sigma_{1/pT}^2 < 2(GeV/c)^{-2}$$

- **Reconstruction flags:**

Not kink daughters

- **To select tracks from primaries:**

$$N_\sigma < 3$$

**Colors:**

**All reconstructed tracks**

**Reconstructed tracks where TPC participated.**

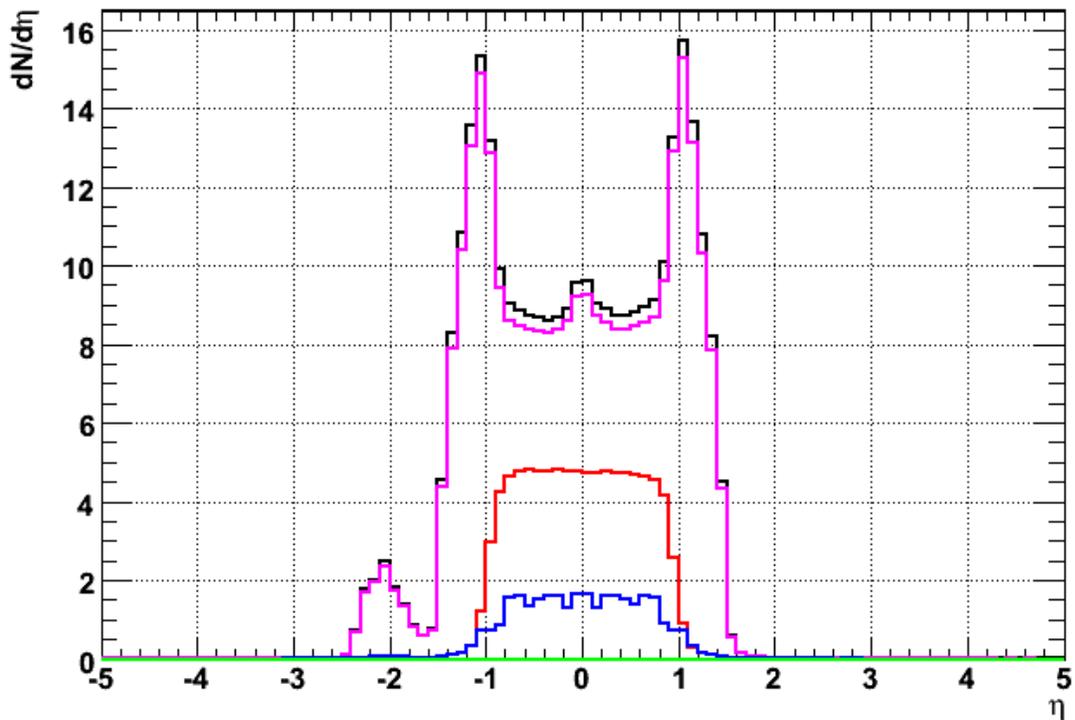
**Reconstructed tracks where ITS participated.**

**Reconstructed tracks where TOF participated.**

**Reconstructed tracks where TRD participated.**

Fig1. All reconstructed tracks

Entries 6174537



**Colors:**

**All reconstructed tracks**

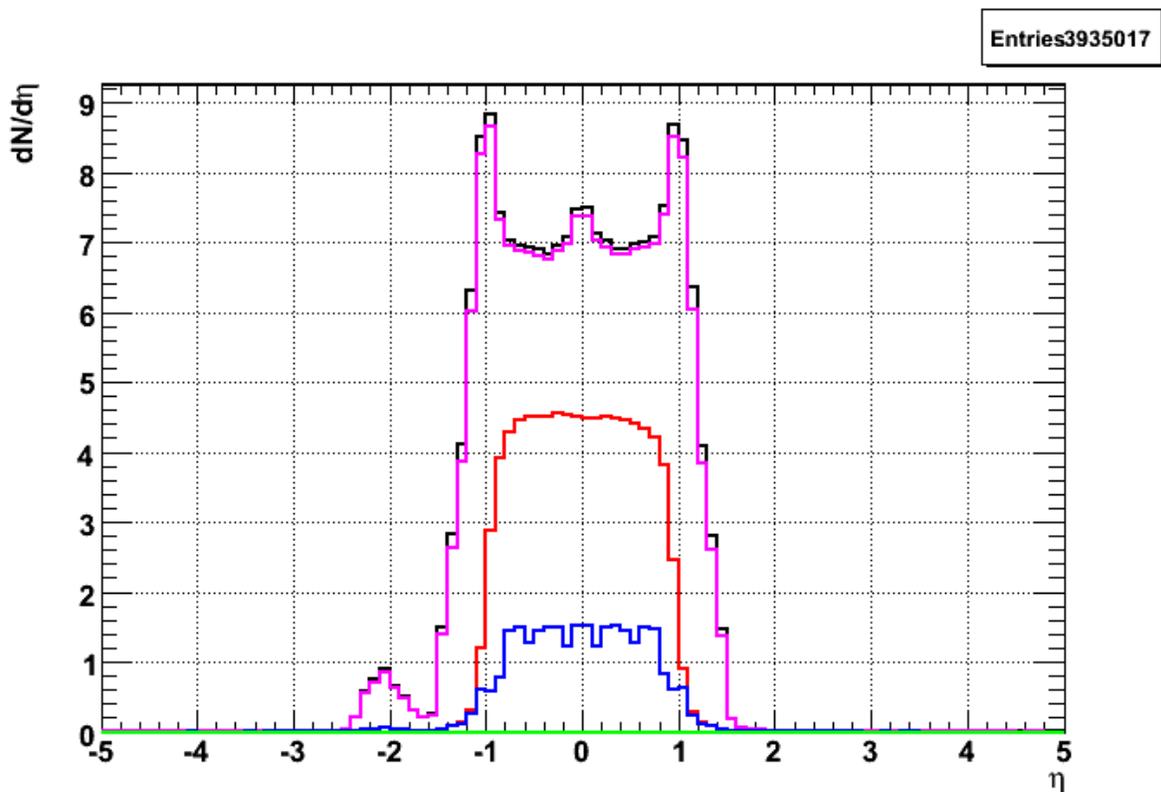
**Reconstructed tracks where TPC participated.**

**Reconstructed tracks where ITS participated.**

**Reconstructed tracks where TOF participated.**

**Reconstructed tracks where TRD participated.**

Fig 2. Reconstructed tracks with quality cuts.



**Colors:**

**All reconstructed tracks**

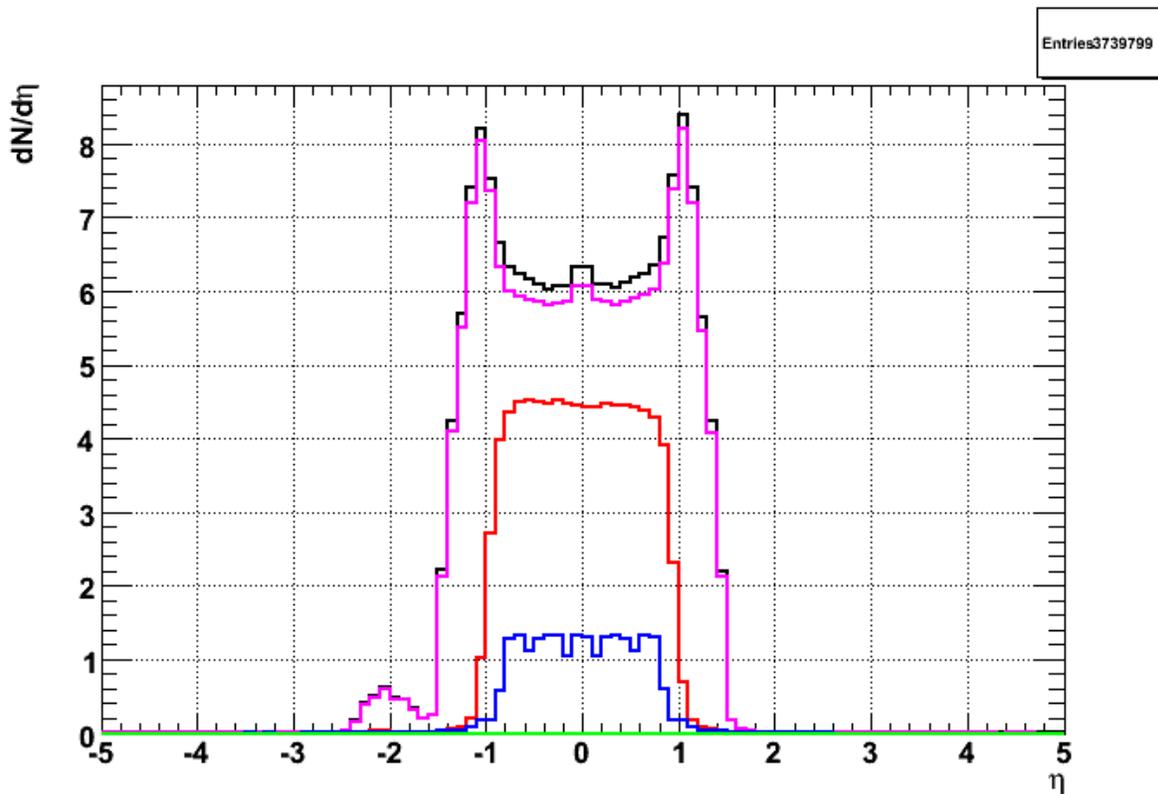
**Reconstructed tracks where TPC participated.**

**Reconstructed tracks where ITS participated.**

**Reconstructed tracks where TOF participated.**

**Reconstructed tracks where TRD participated.**

Fig 3. Reconstructed tracks Nsigma cuts.



**Colors:**

**All reconstructed tracks**

**Reconstructed tracks where TPC participated.**

**Reconstructed tracks where ITS participated.**

**Reconstructed tracks where TOF participated.**

**Reconstructed tracks where TRD participated.**

Fig 4. Reconstructed tracks not kink daughter cuts, only 100 events (proof fell).

