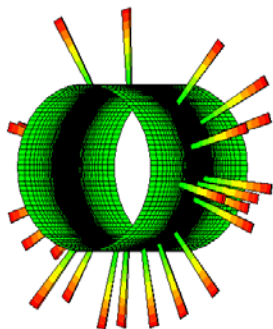
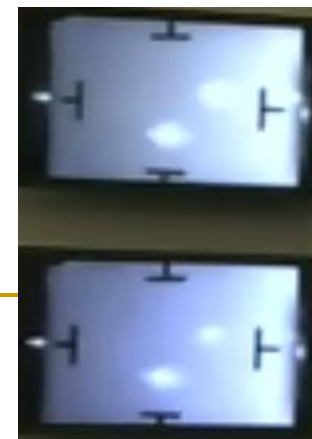


## *Study of the properties of jets in proton - proton collisions in ALICE*

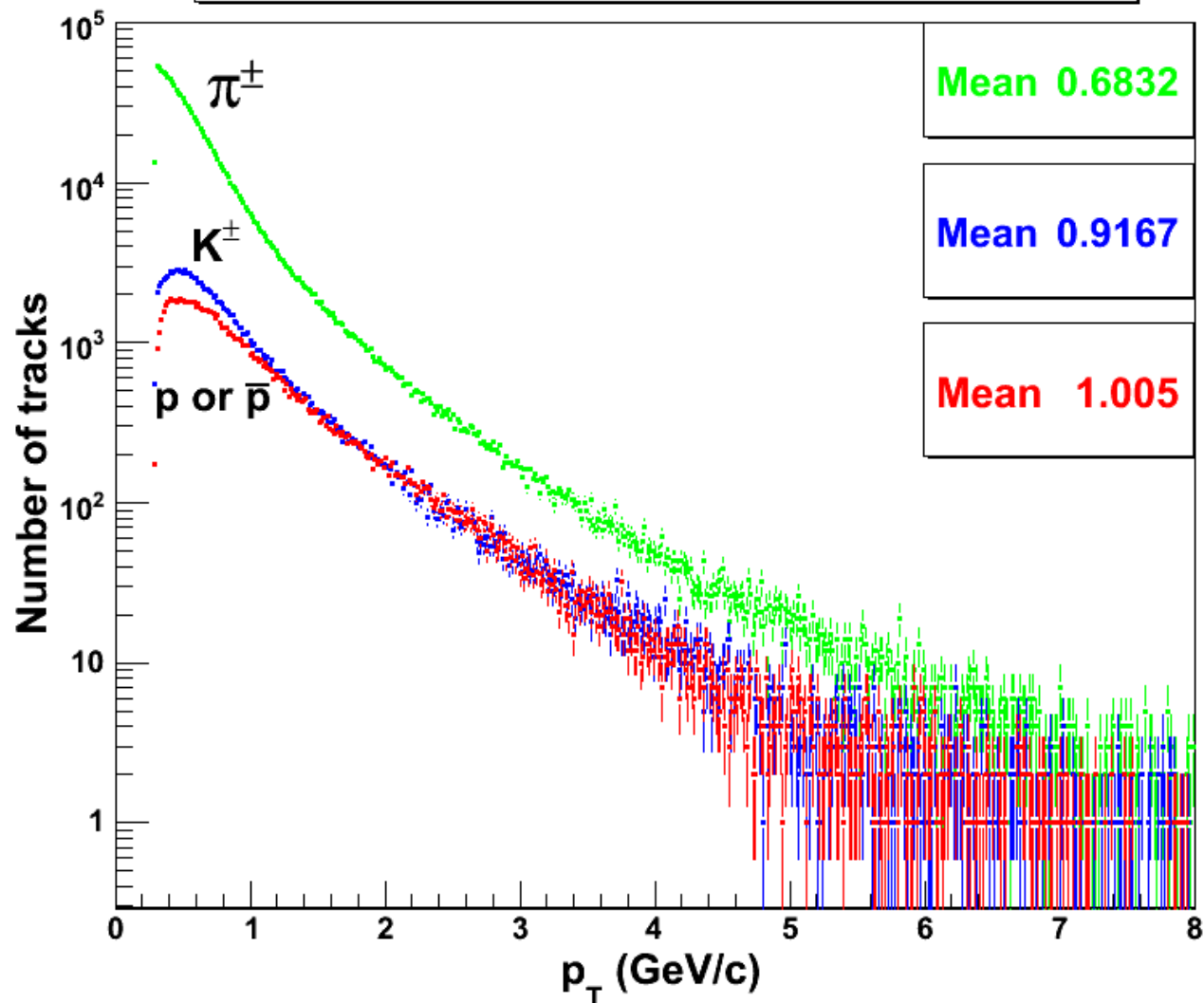
- *TRANSVERSE MOMENTUM FOR PARTICLES*
- *MEAN  $p_T$  AND MULTIPLICITY IN JETS*
  - *LEADING PARTICLES IN JETS*
  - *PROTON - ANTIPROTON RATIOS*



Leonid Serkin  
(ICN-UNAM)

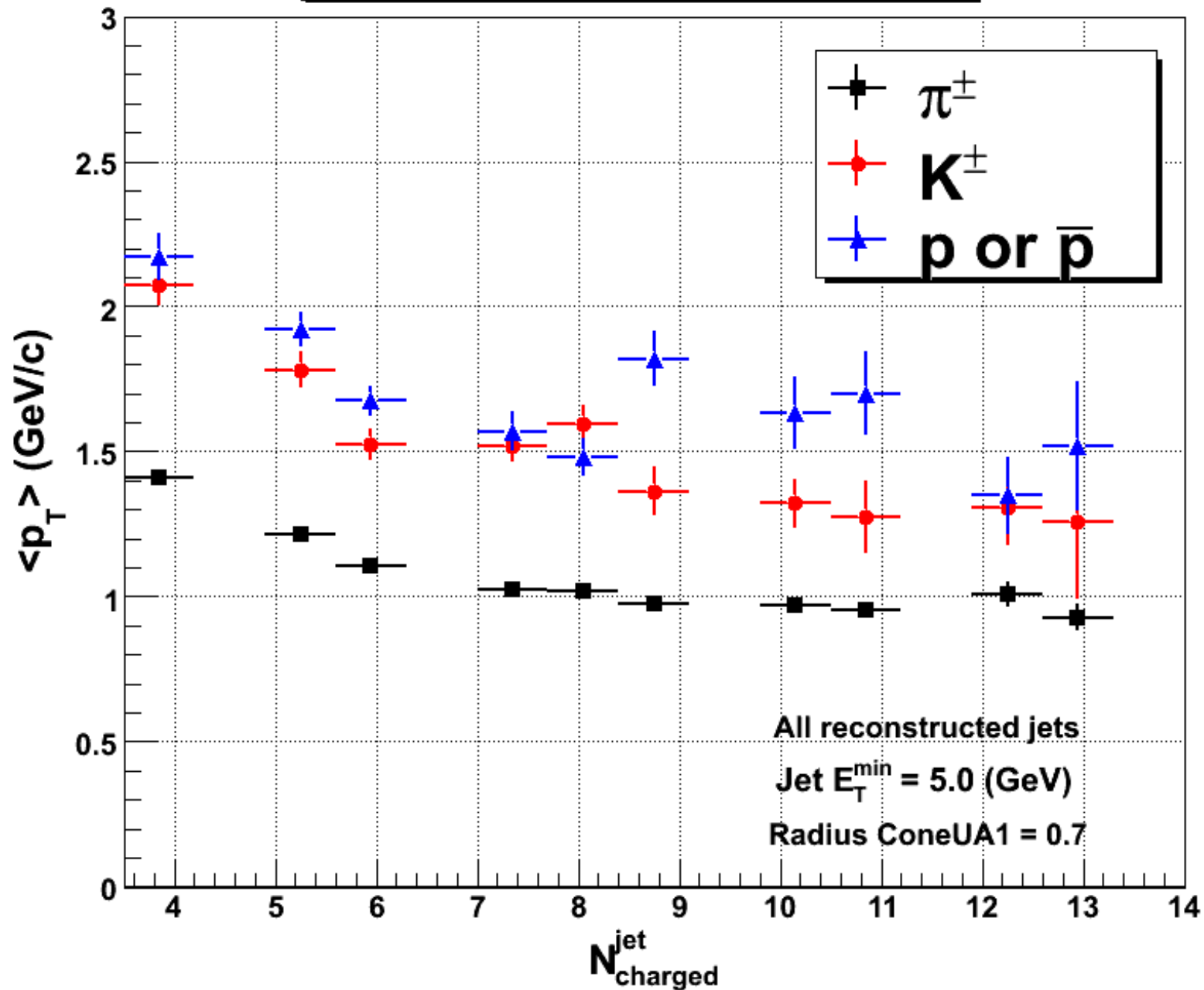


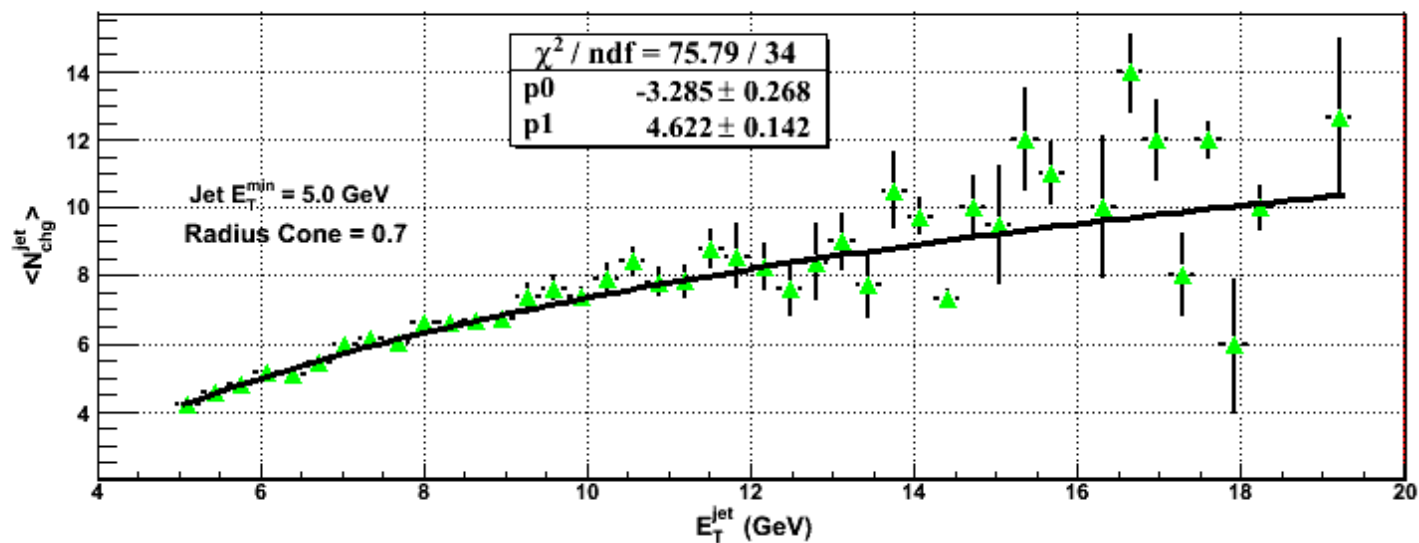
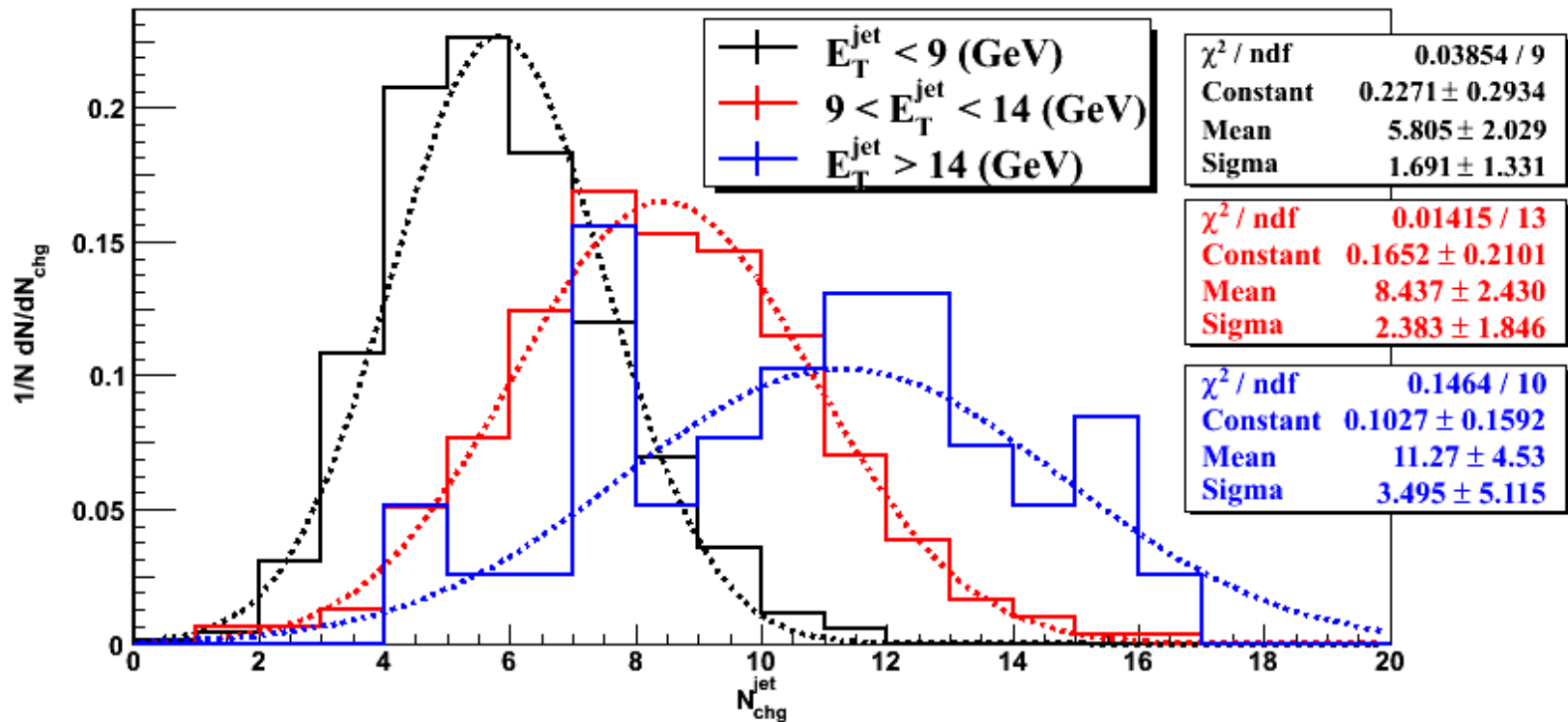
## Transverse momentum for different particles



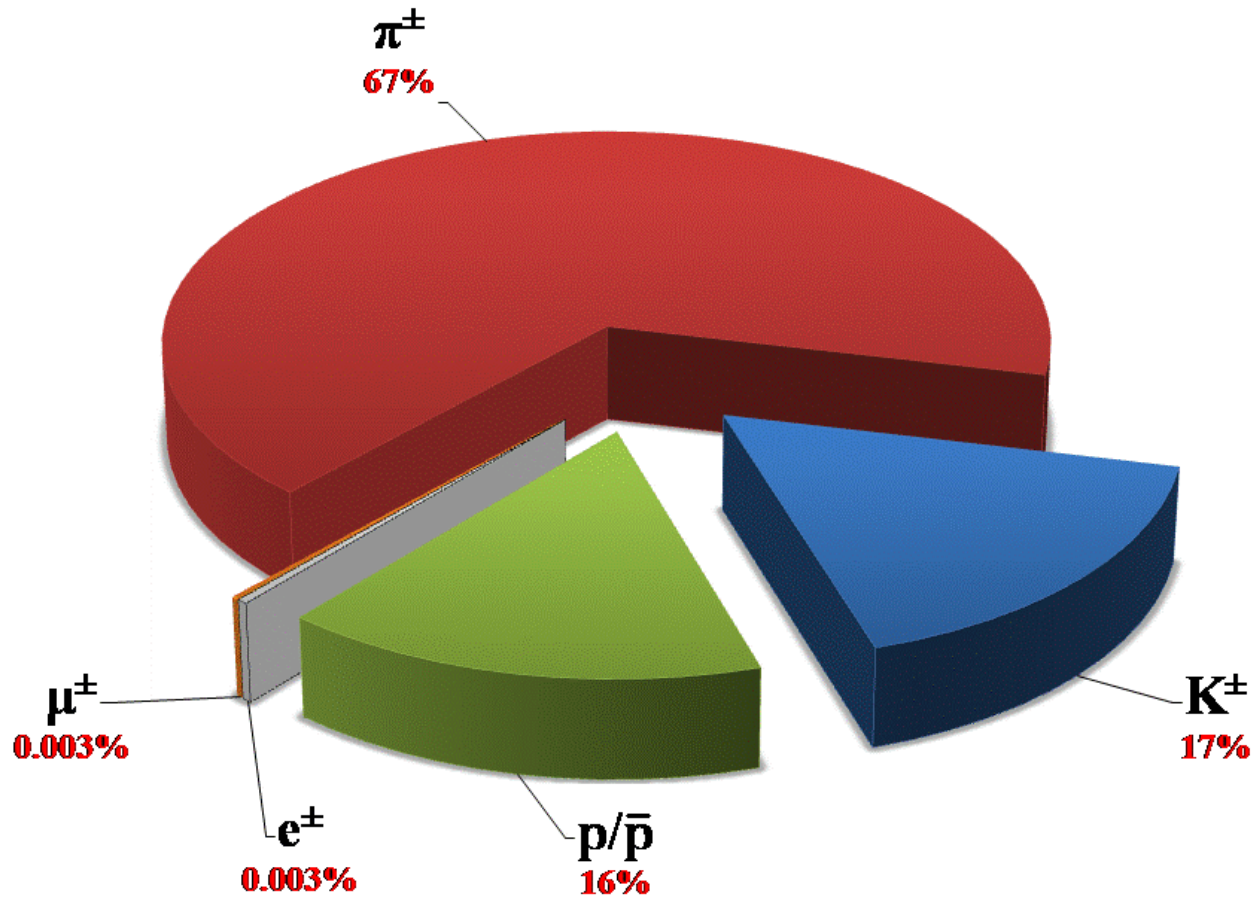
**$p_T$  distributions of pions, kaons and protons and antiprotons, from 250k minimum bias events generated with PYTHIA, and fully simulated in ALICE central region ( $\pm 0.9$  units of rapidity)**

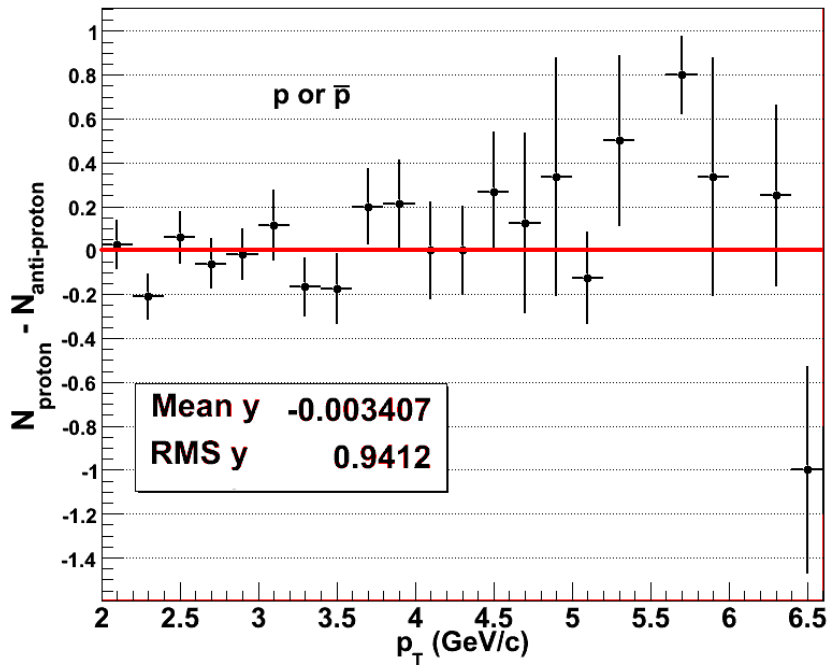
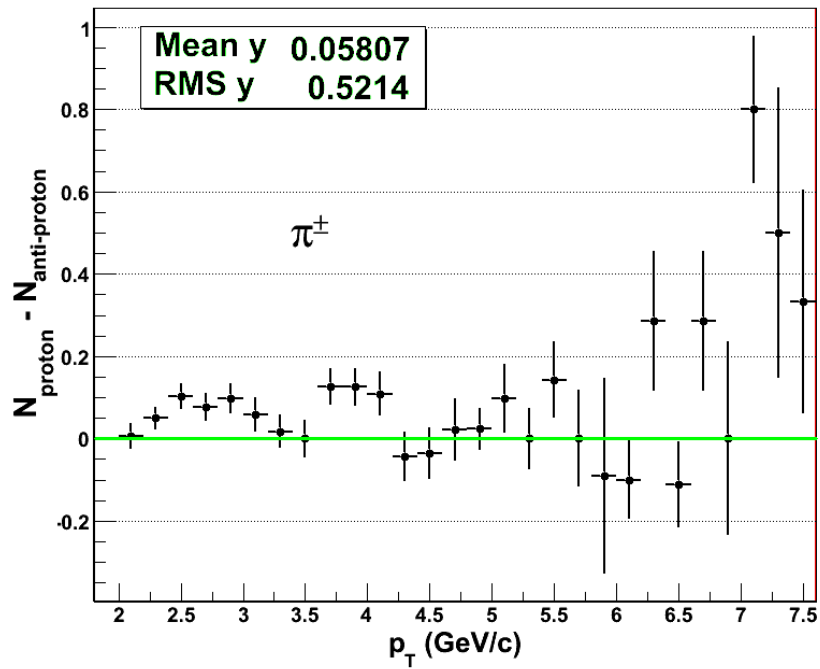
$\langle p_T \rangle$  and multiplicity in jet

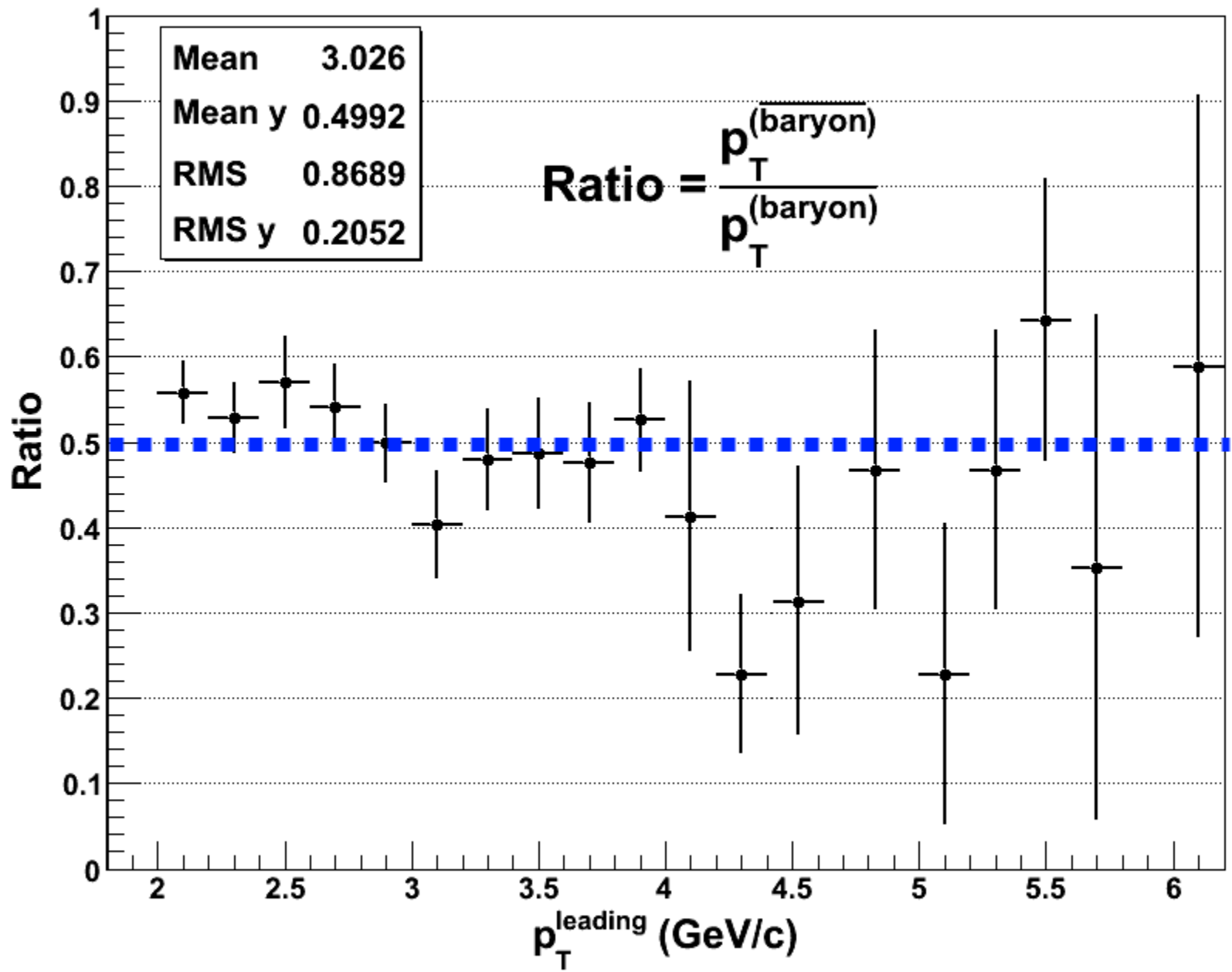




# Porcentaje de lideres en jets







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# ToDo

- ESA para limpiar la señal
  - 1.2 M. de eventos: monojet- 8329, dijet- 1316
  - Información de TPC + ITS
  - Cortes de jets:  $p_T(\text{min})$ ,  $E_t(\text{jet}) = 1.5 \text{ GeV}$
  - Respuesta de 10.000 ev en CAF  $\approx 1 \text{ h.}$
-