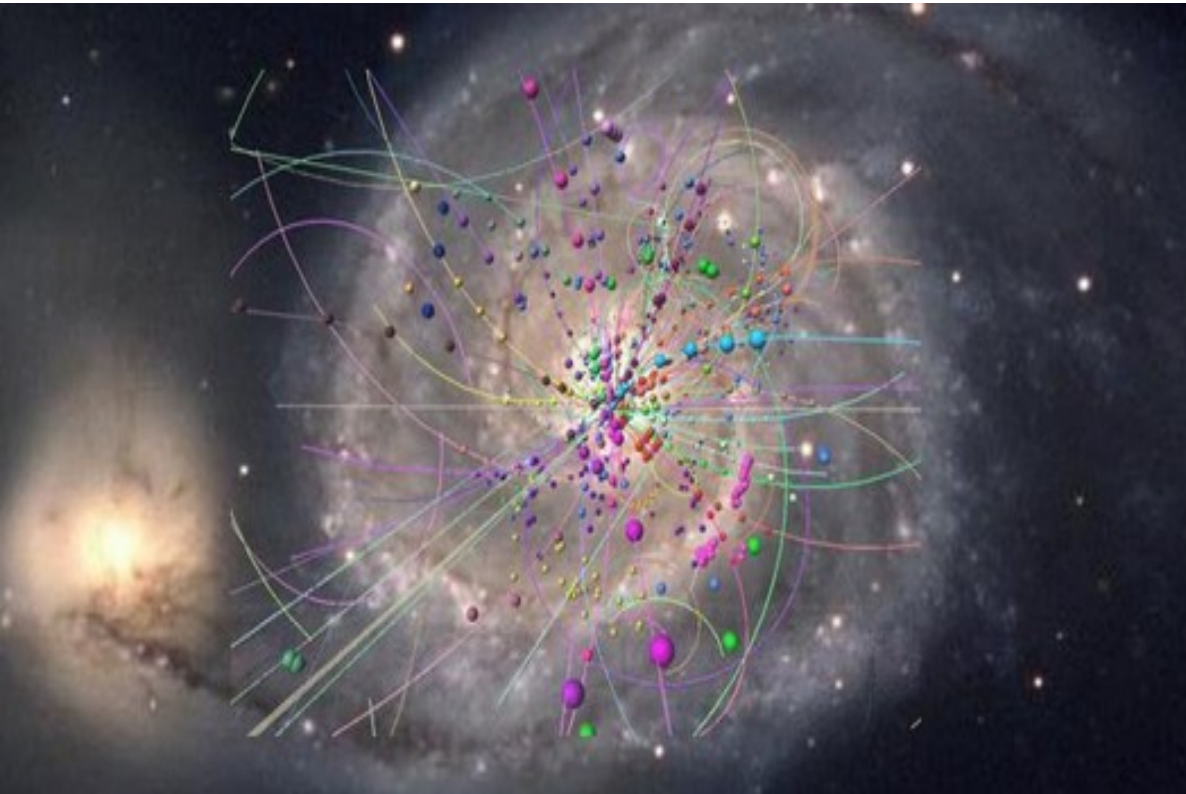




Reporte Semanal ACORDE MEETING



*Emma González Hernández **

*Dr. Arturo Fernández Téllez **

*Dr. Mario Rodríguez Cahuantzi **

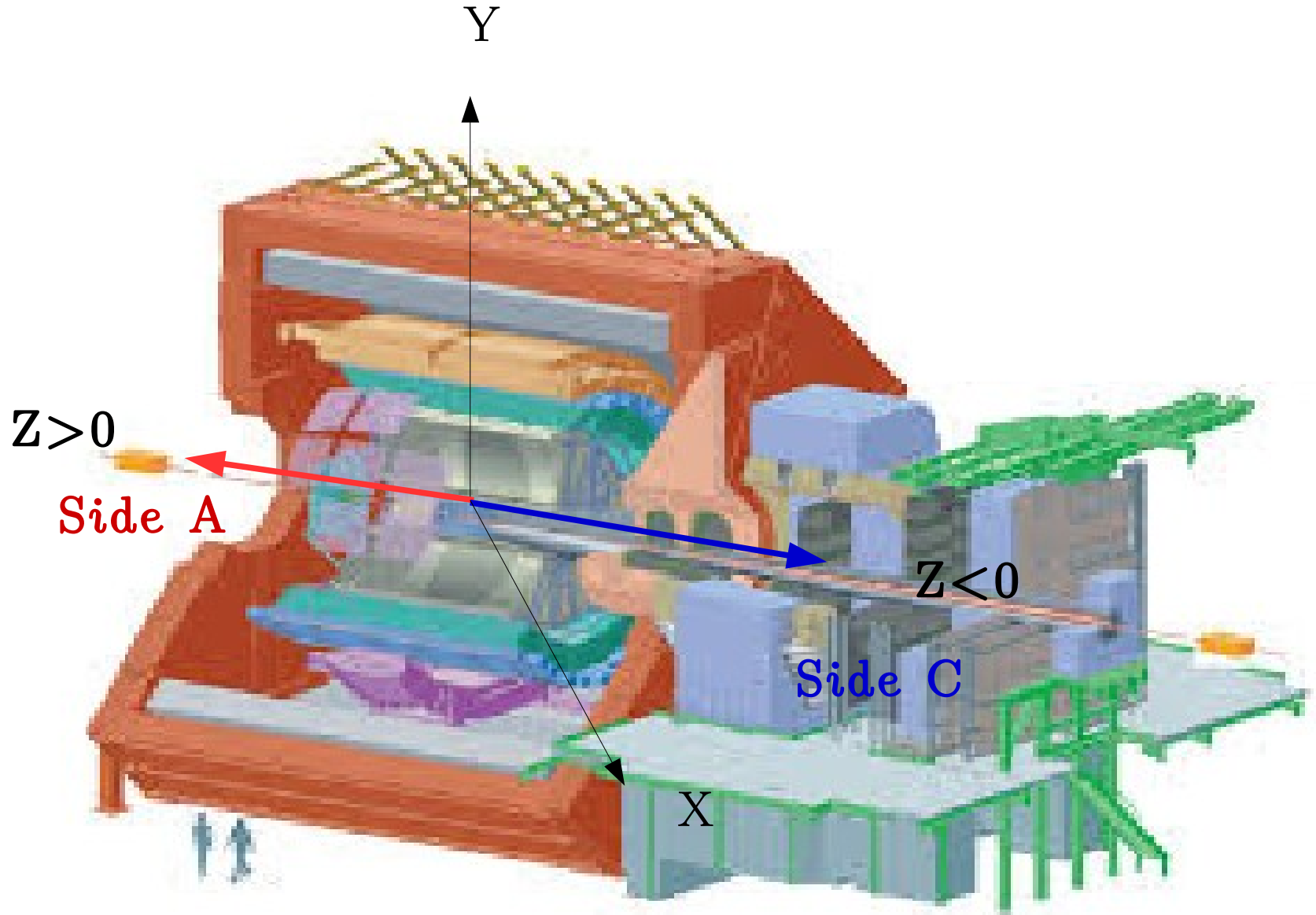
*** FCFM-BUAP**

Abril 16, 2016

Data

- LHC15a_Bminus.root
- LHC15a_Bplus.root
- LHC15c_Bplus_1.root
- LHC15c_Bplus_2.root
- LHC15d_Bminus.root
- LHC15d_Bplus.root
- LHC15e_Bplus.root
- LHC15f_Bminus.root
- LHC15f_Bplus.root
- LHC15g_Bplus.root
- LHC15h_Bplus.root
- LHC15i_Bplus.root
- LHC15j_Bplus.root
- LHC15k_Bminus.root

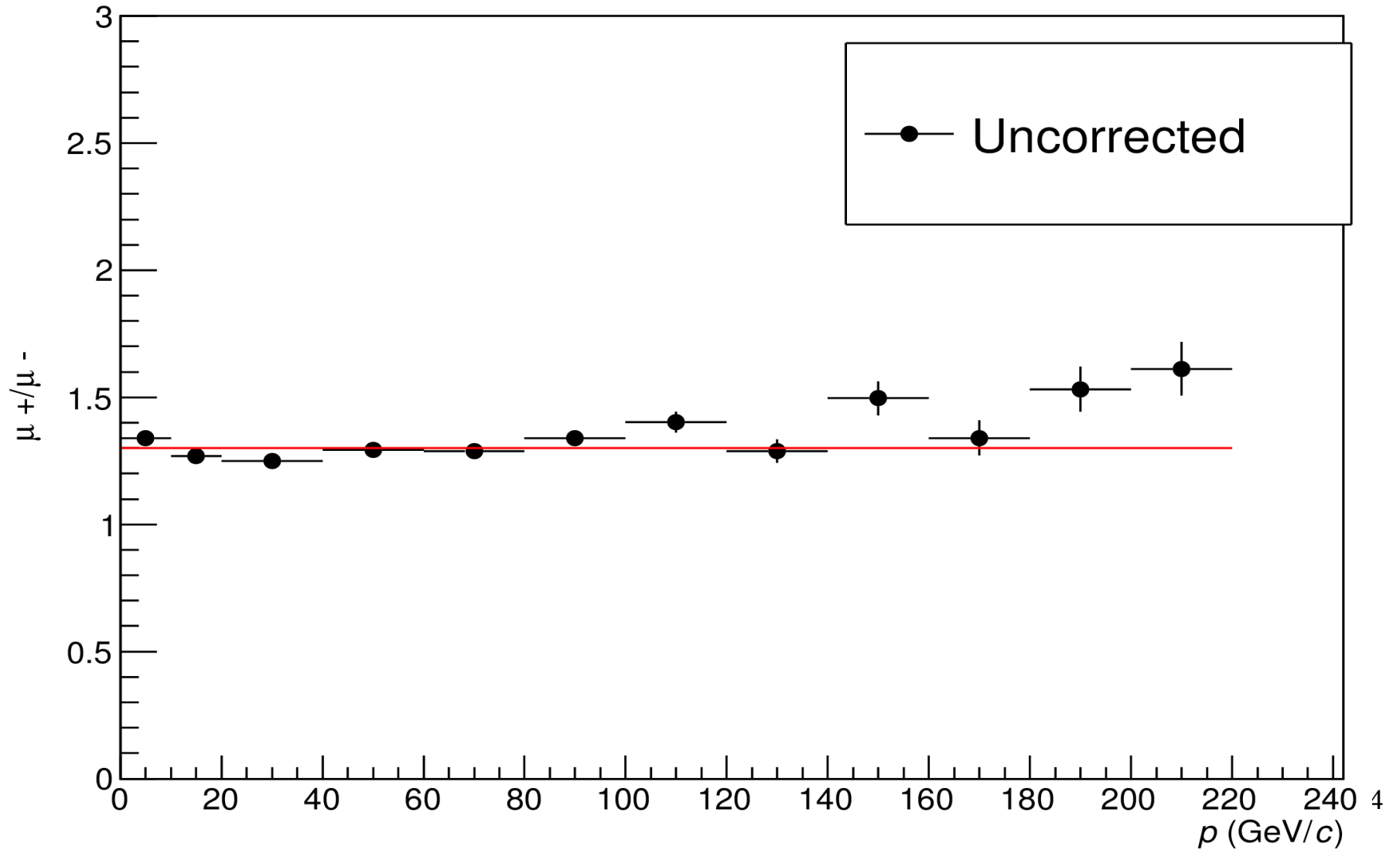
- **1 muon**
- **2 tracks**
- **Range of momentum: 0-220 GeV/c**
- **Within $\theta < 20^\circ$**
- **Fiducial area of $1.5 \times 1.5 \text{m}^2$**





Side A

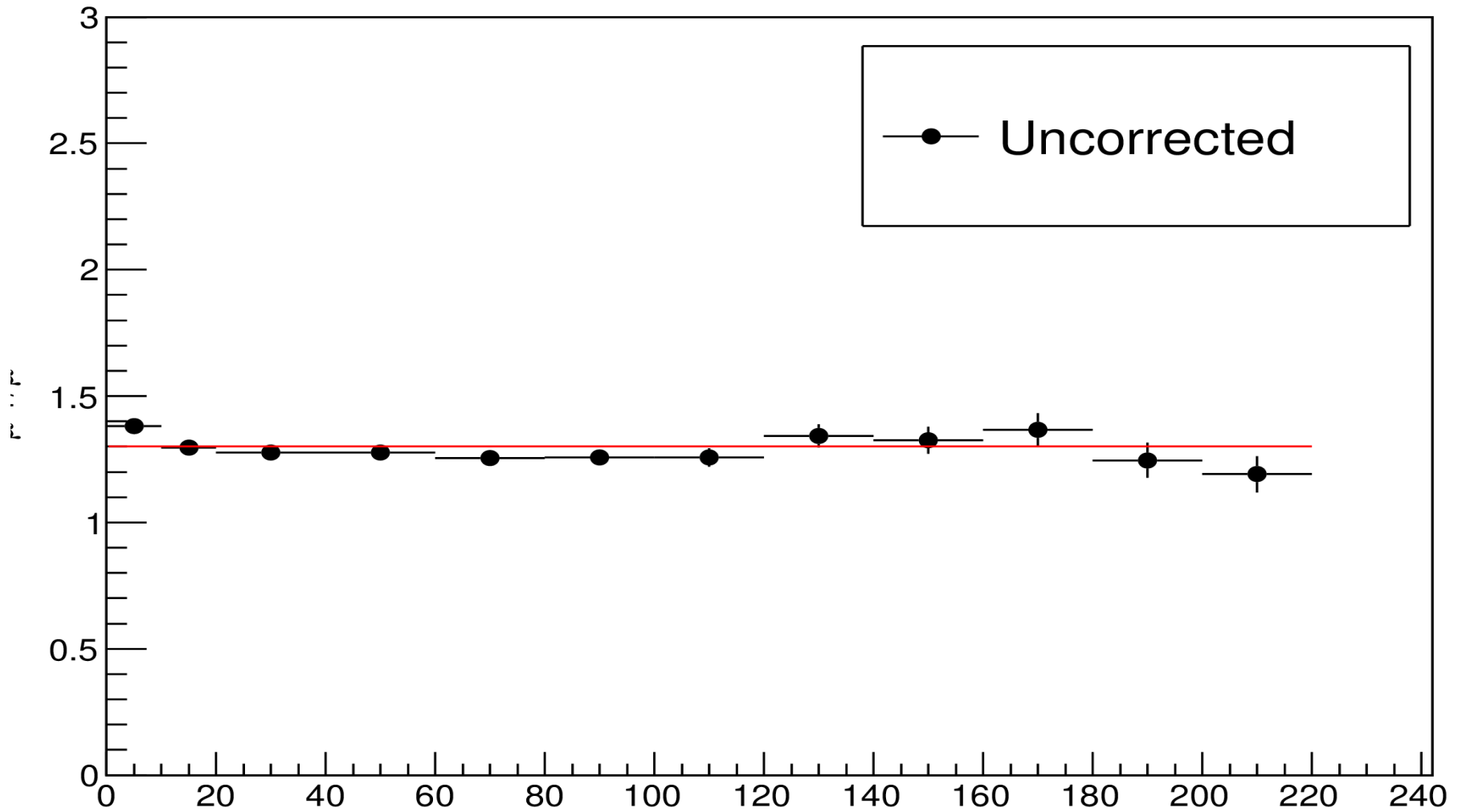
Uncorrected muon charged ratio



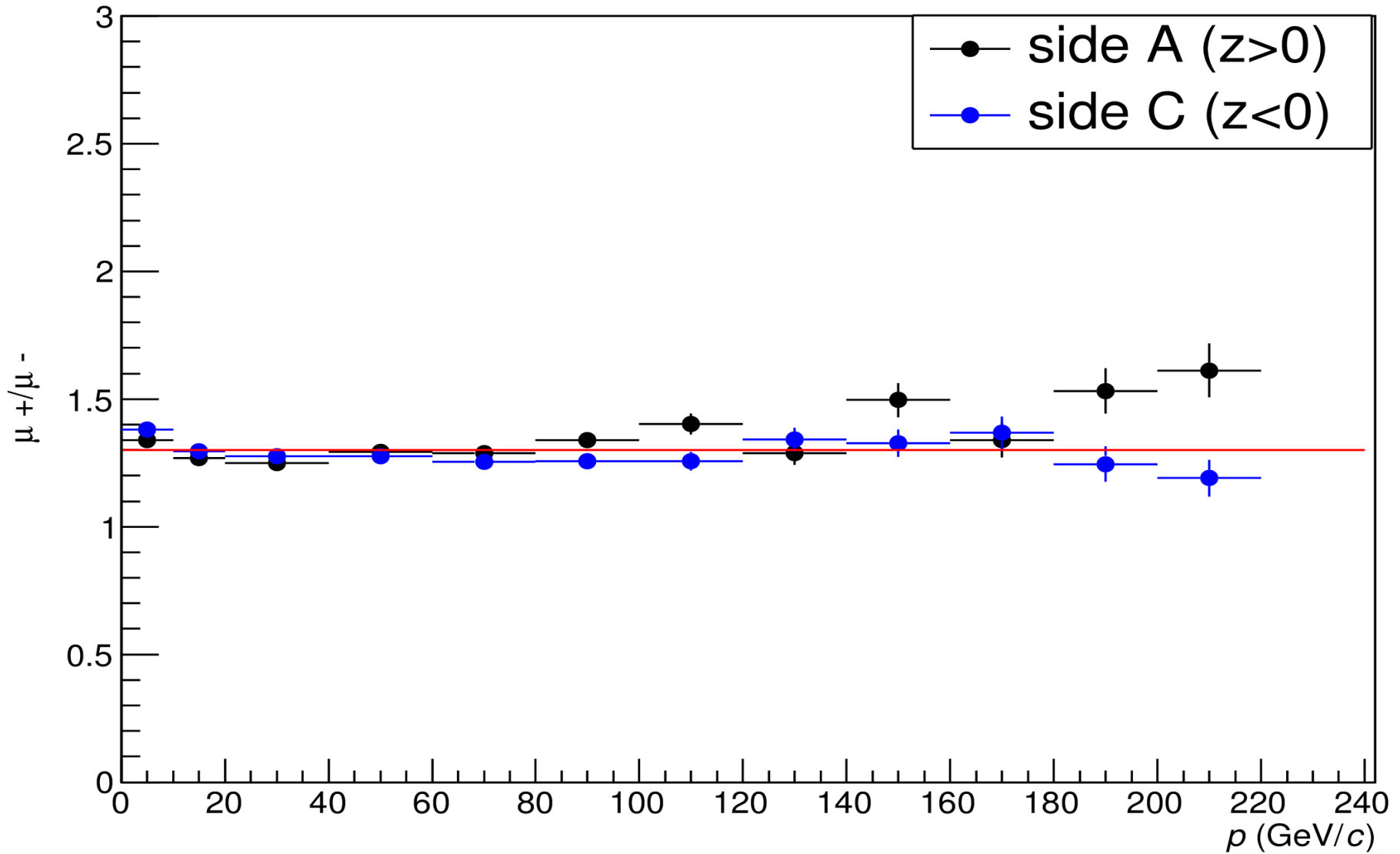


Side C

Uncorrected muon charged ratio



Uncorrected muon charged ratio



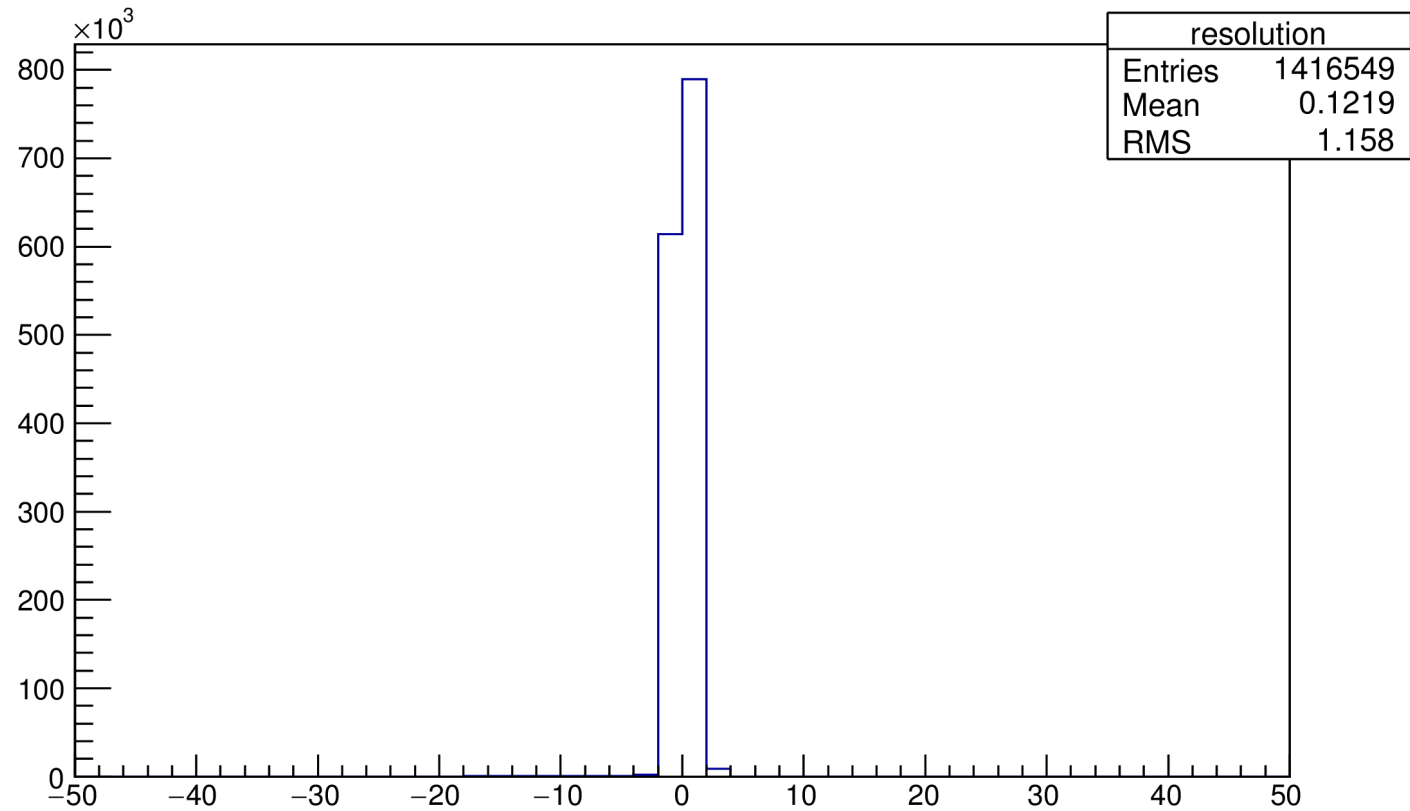
study of Monte Carlo

- **1 muon**
- **2 tracks**
- **1,416,549 events**
- **Range of momentum: 5-400 GeV/c**
- **Within $\theta < 20^\circ$**
- **Fiducial area of $1.5 \times 1.5 \text{m}^2$**
- **435cm above the point of interaction**
- **In a random plane**

The resolution of momentum is defined as

$$\frac{P_{Gen} - P_{Rec}}{P_{Gen}}$$

Pgen->pMC
Prec->Pcov



Tareas por realizar

- Resolución de momento en intervalos
- Estudio de la carga
- Gráficas:
 - (Pgen-Punfolding)/Pgen
 - Pgen vs Punfolding
 - Punfolding/Ptrue



