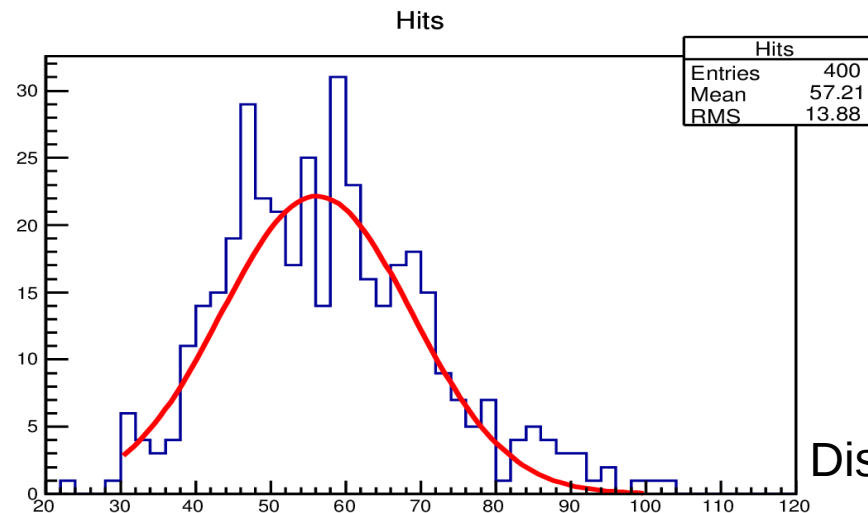
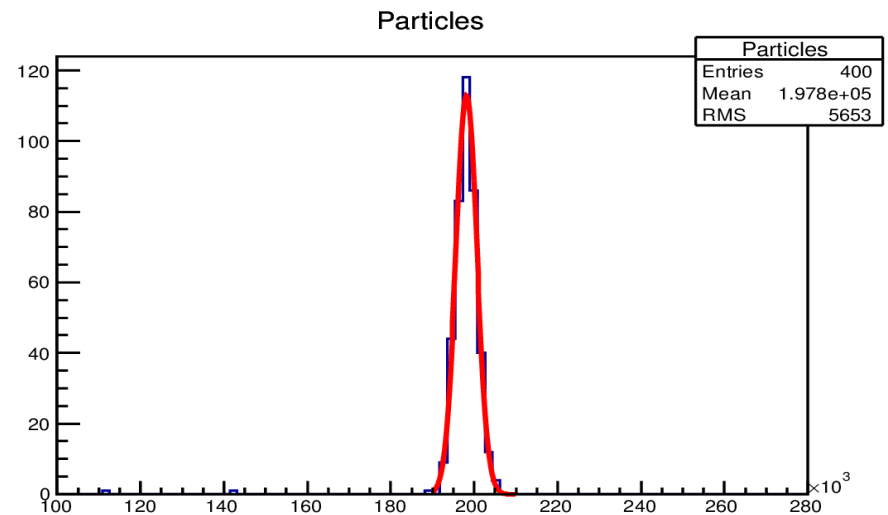
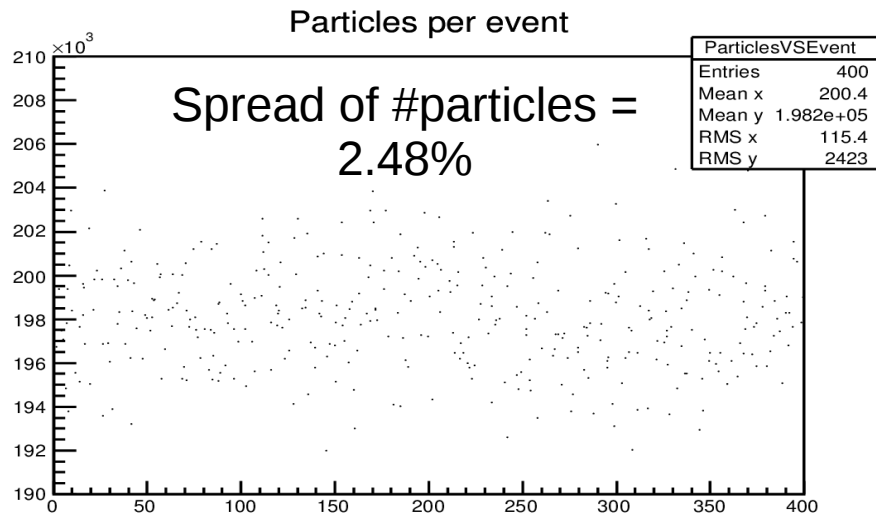


# Background studies

- Used Jans slcio files for sidloi3
  - `/ilc/user/j/jstrube/GuineaPig/sidloi3/`
- Nevertheless also simulating GuineaPig pairs with SLIC 5.0 for comparison
- Wrote C++ tool for studying hits per calorimeter cells
- Will add more functionality
- Tool will be usable for all subdetectors

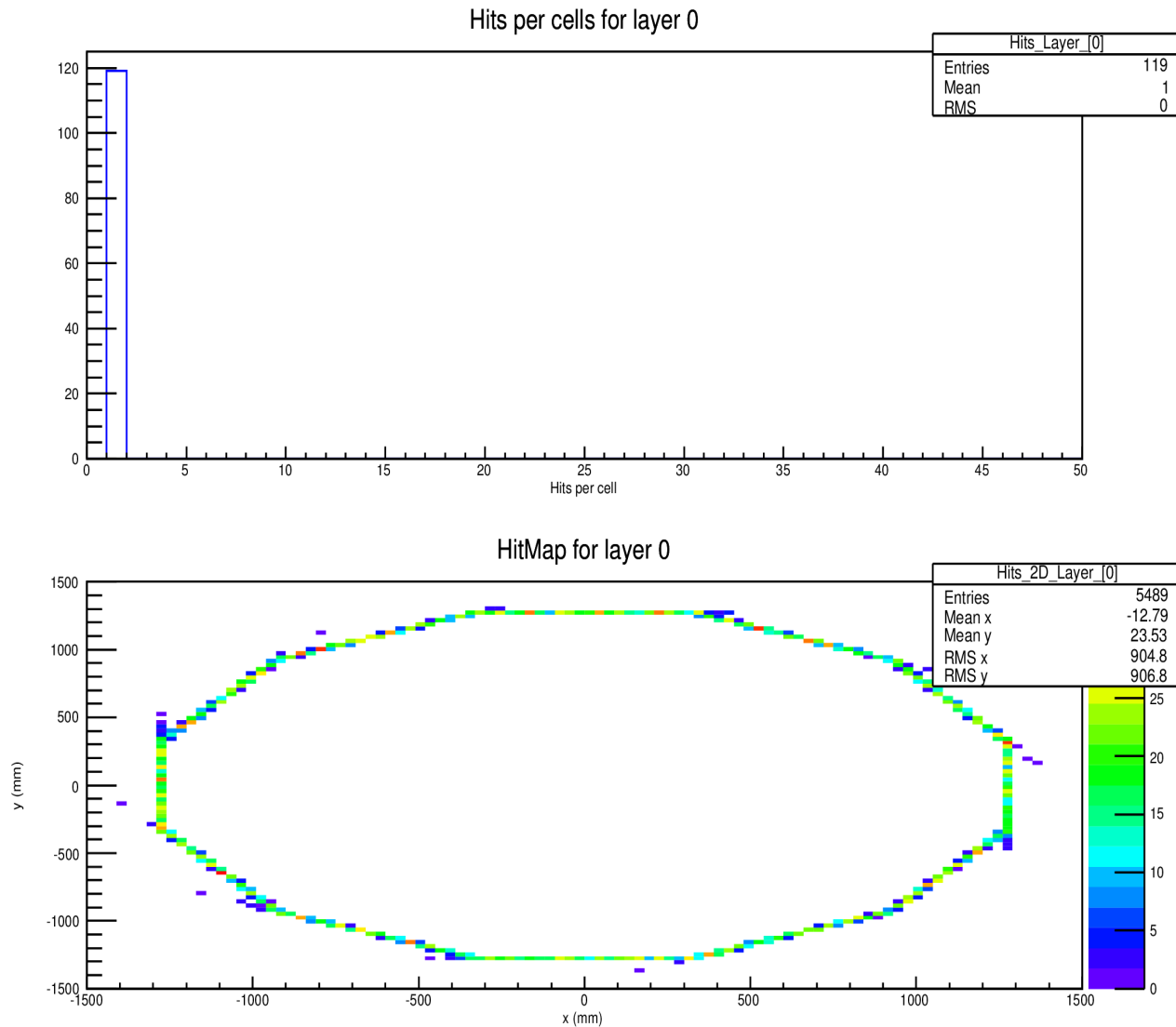
# General studies of the slcio files

For 400 bunches (400 slcio files: 1\_simulated\_pairs.slcio, ..., 400\_simulated\_pairs.slcio)



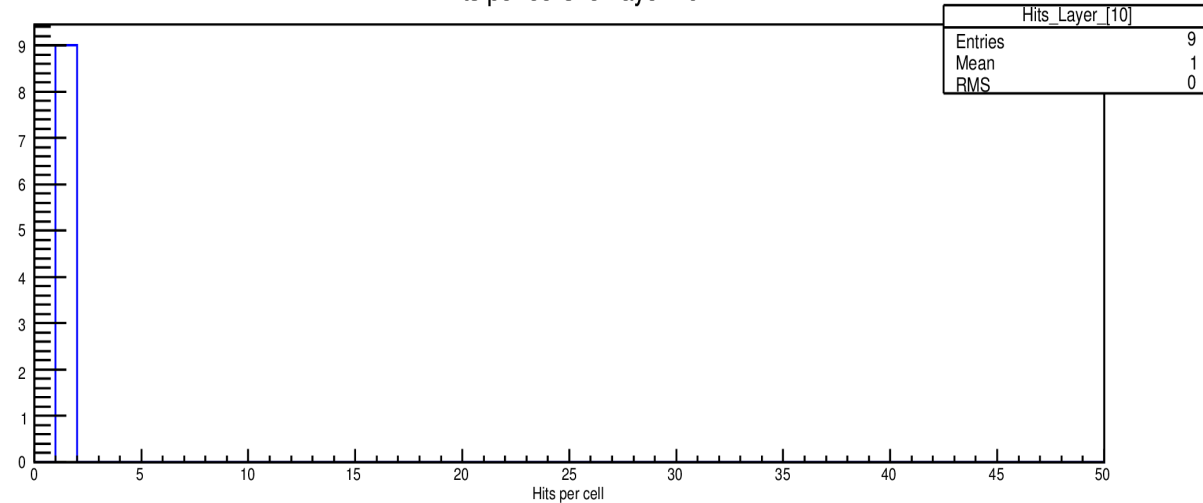
Distribution of EcalBarrel hits

# Hits per Layer: EcalBarrel Layer 0

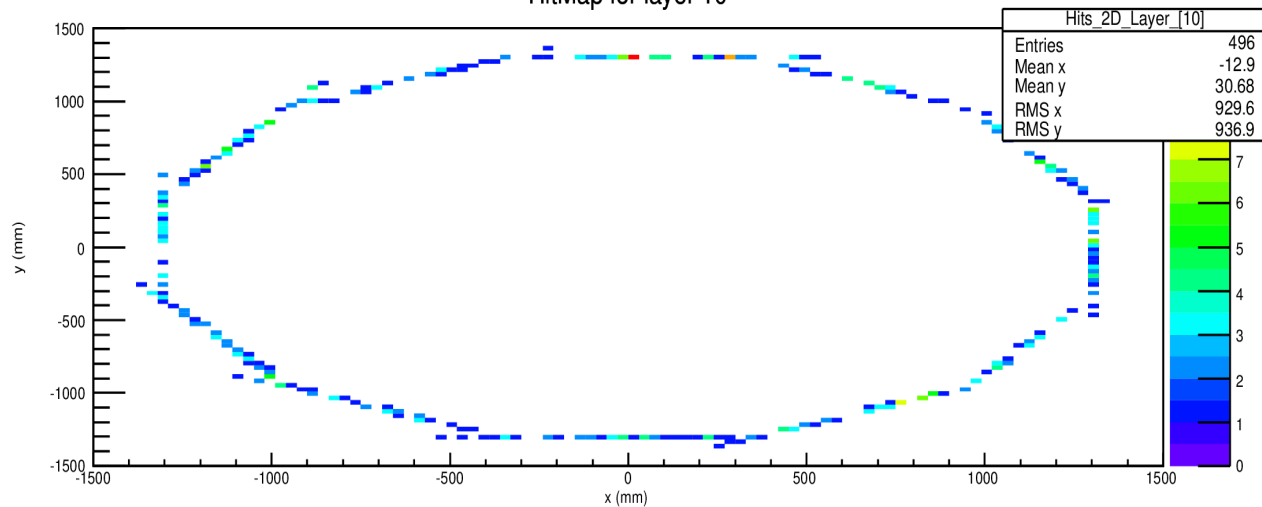


# Hits per Layer: EcalBarrel Layer 10

Hits per cells for layer 10



HitMap for layer 10



# Hits per Layer: EcalBarrel Layer 20

