

# **Beam Test Data Analysis**

## **Review of the Bari TKRDigi**

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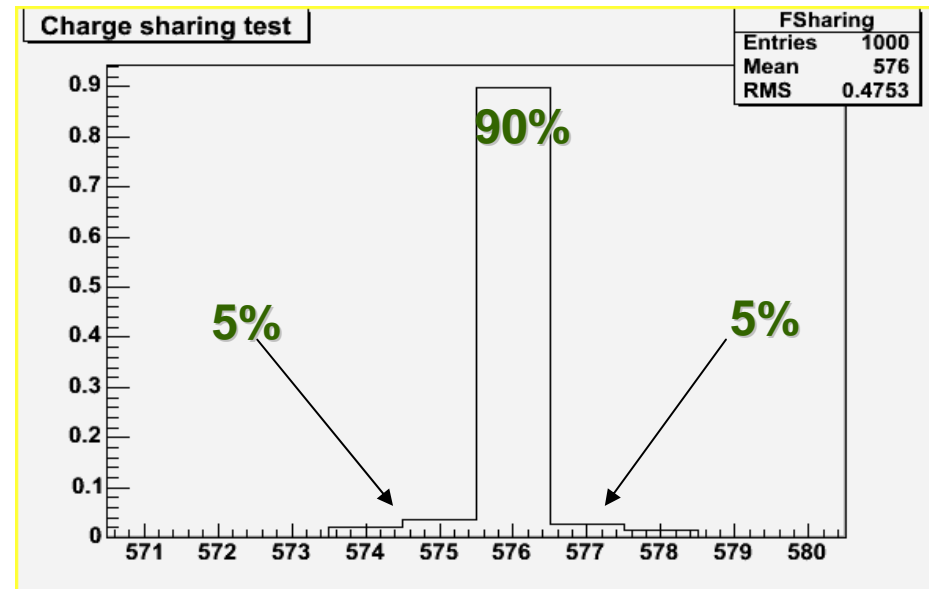
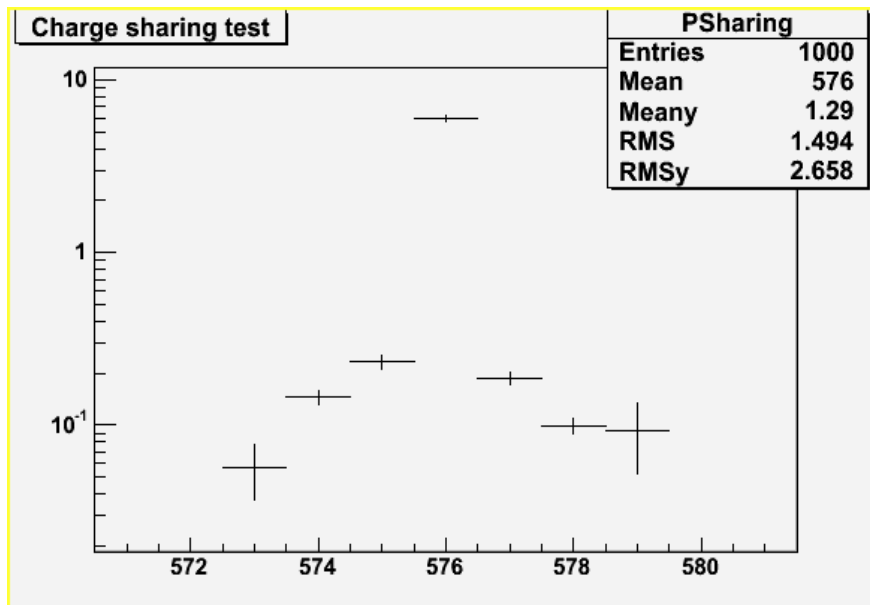
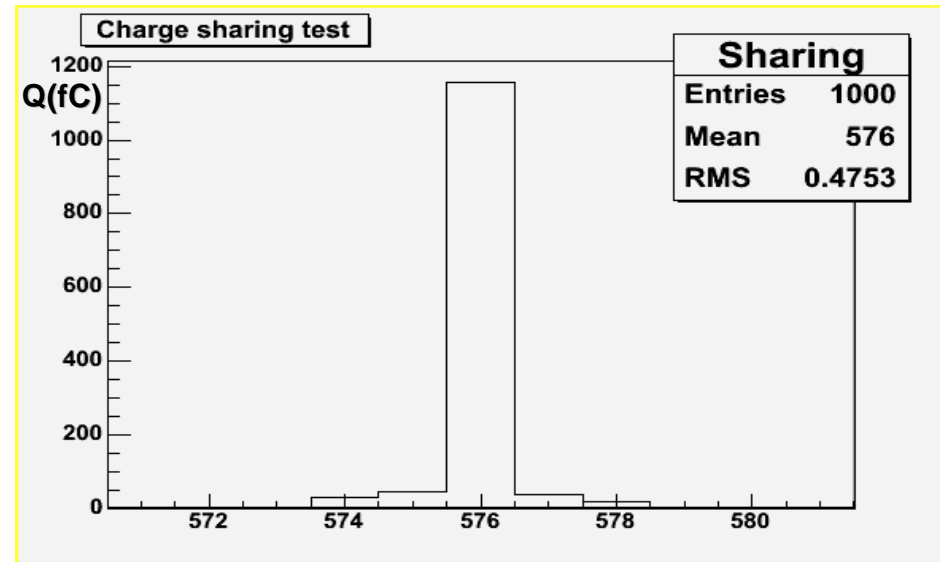
# Review approach

Simplified version of TKRBariDigiAlg

- **Bari:** introduce only the cluster propagation in order to simulate the sharing effect alone (level1)
- TkrDigi v2r6p6 current version
- In jobOptions.txt
  - TkrDigiAlg.Type = “Bari”; // default “Simple”
- Tested with 6GeV protons and 5GeV electrons (0degree) generated by ps\_setup (ps\_mc.root file as output) and digit, recon, merit and mc output root file produced using Gleam.

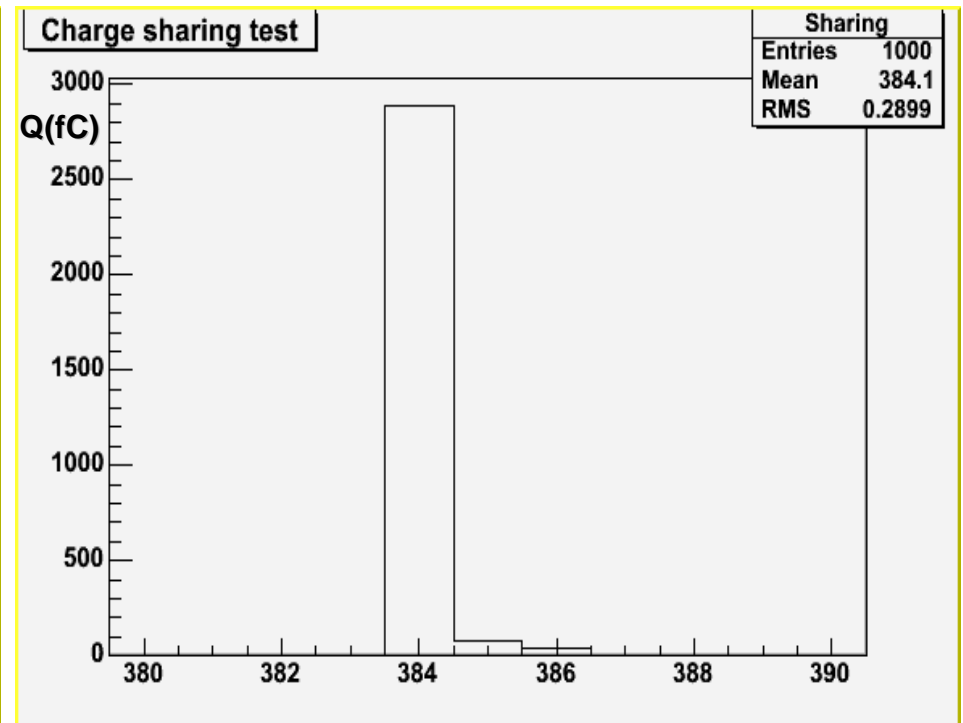
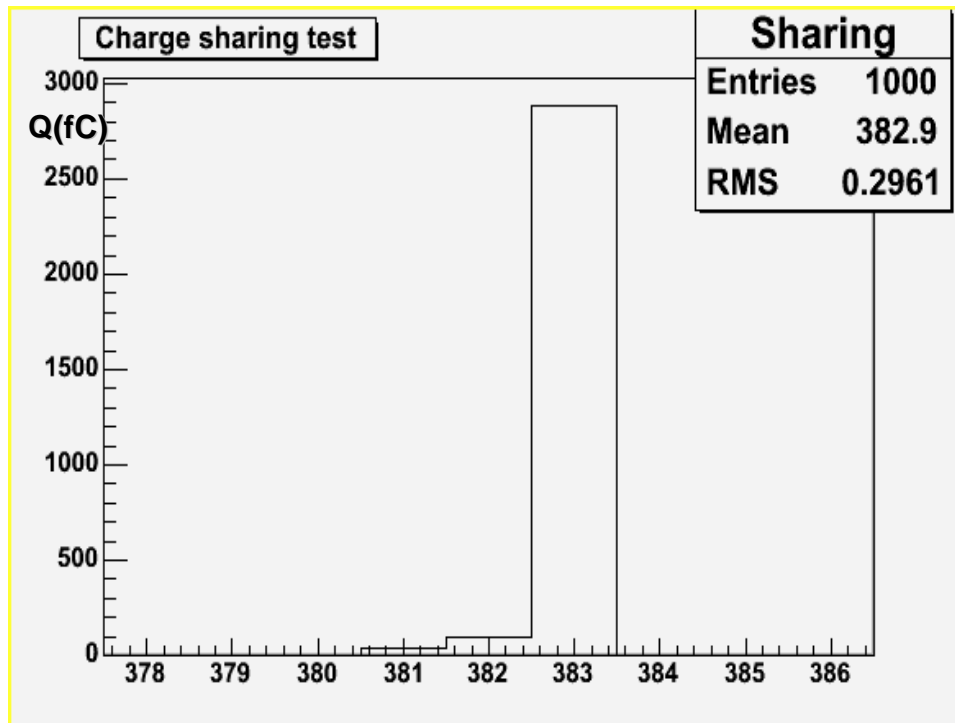
# MC Bari TKRDigi

- Sharing effect tested with a proton beam crossing the wafer (normal incidence) on a central strip



# MC Bari TKRDigi

- Sharing effect tested with a proton beam crossing the wafer (normal incidence) on lateral strips (383 and 384)



# Conclusions

- Bari Digi is now available on CVS SLAC repository (TkrDigi v2r6p6 version).
- Minor update to do:
  - Old classes to be deleted;
  - Some GLAST code conventions to be applied;
- Link to ToT calibrations