



Alignment monitoring

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ALICE General Meeting

In the following slides ...

Fit: SPD outer + SSD

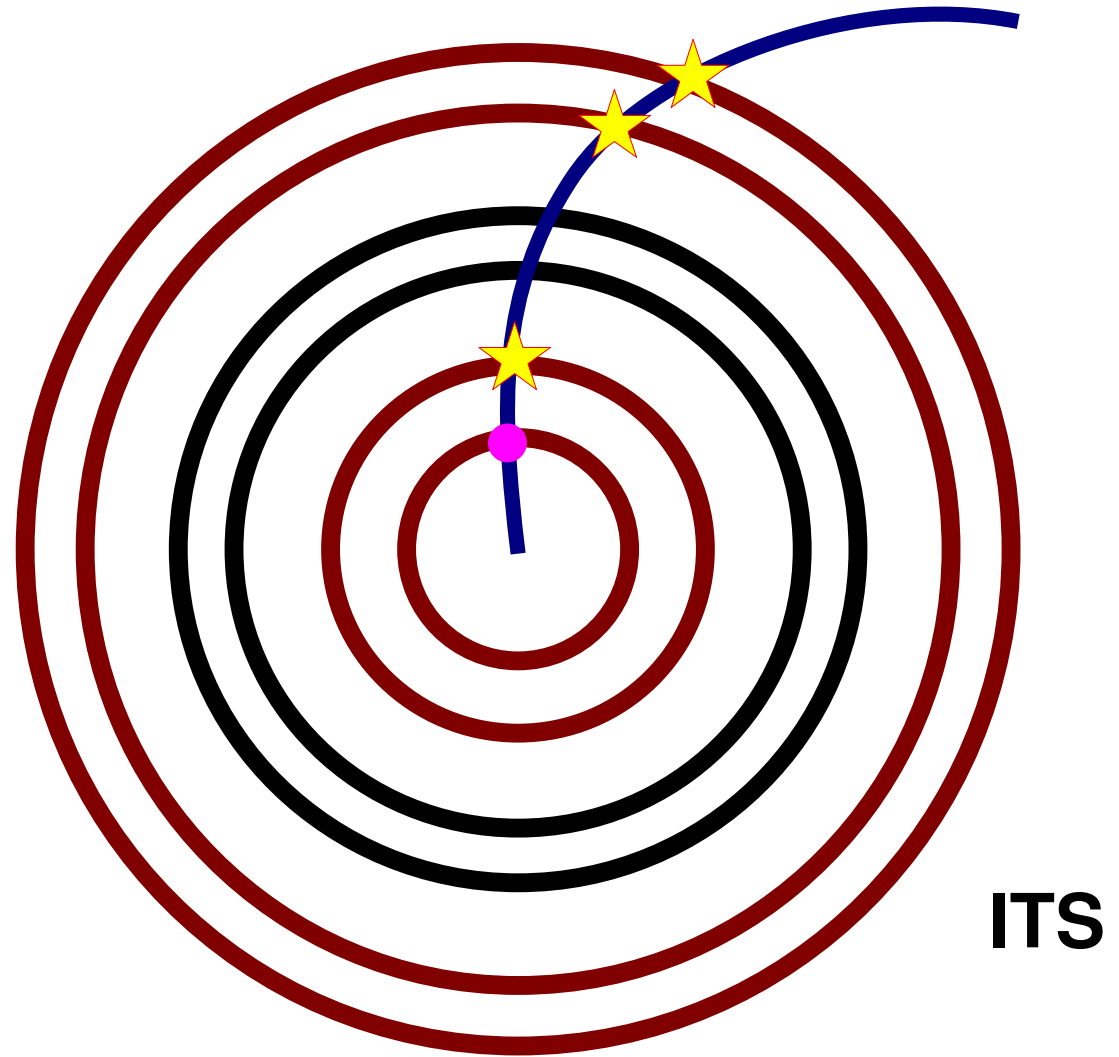
Residuals: SPD inner

Fitter: Riemann

Field: 0.5 T

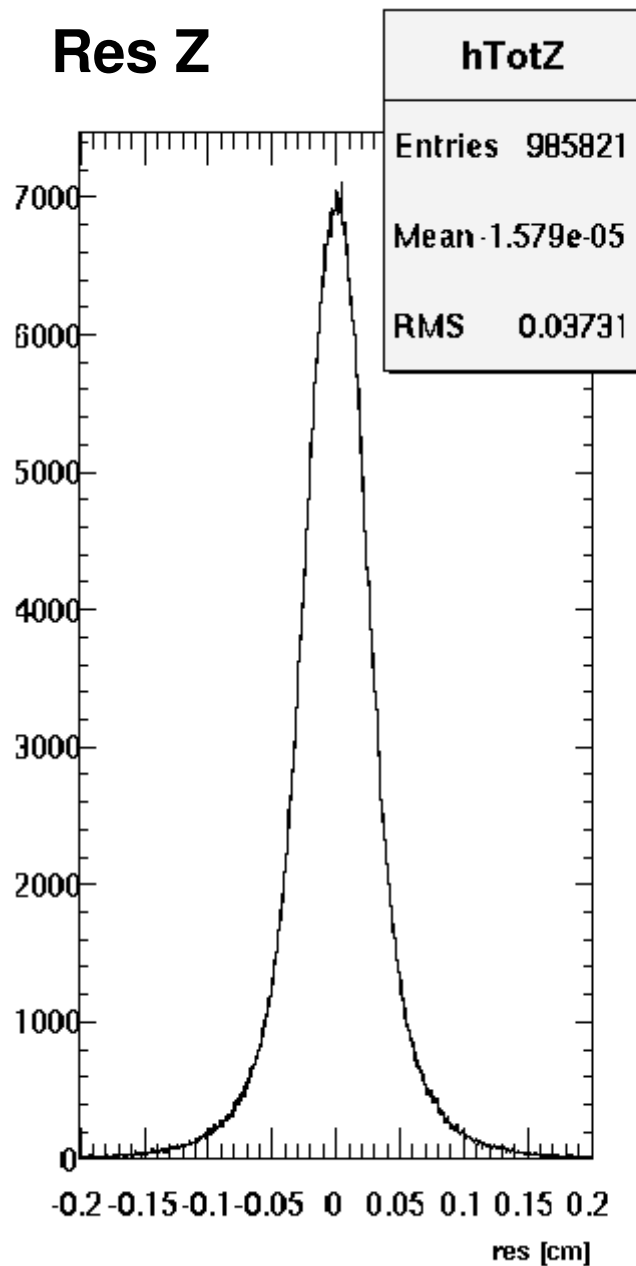
MC: LHC09d10

Data: run 104892 (pass 1)

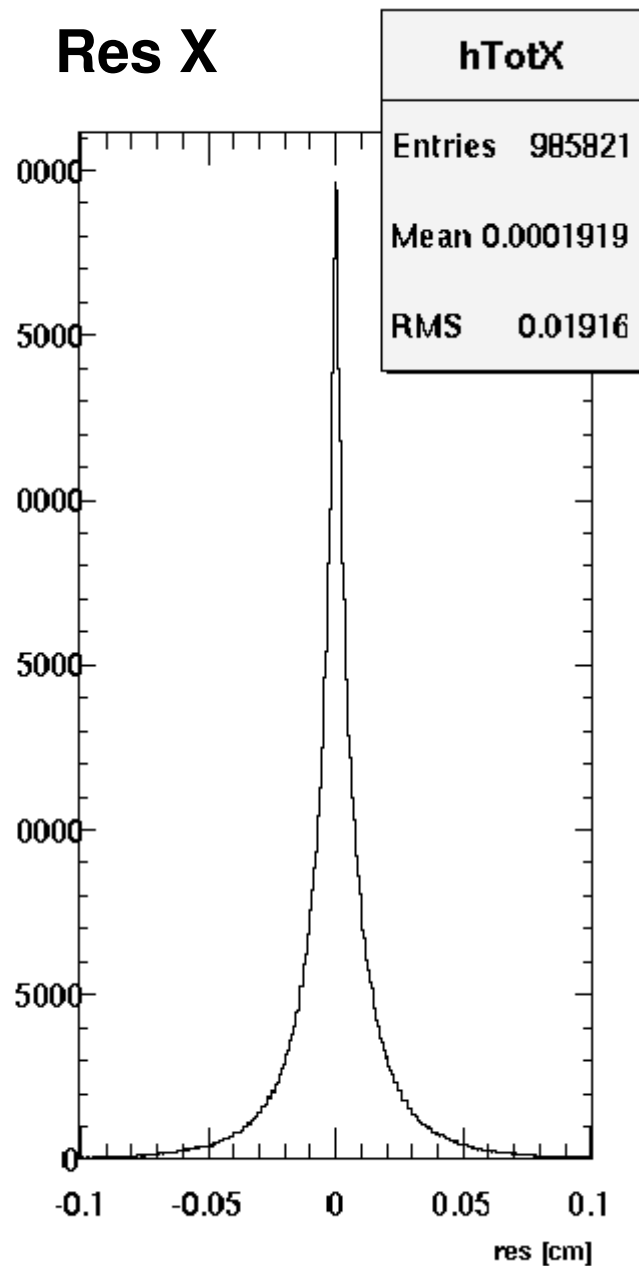


Overview: MC

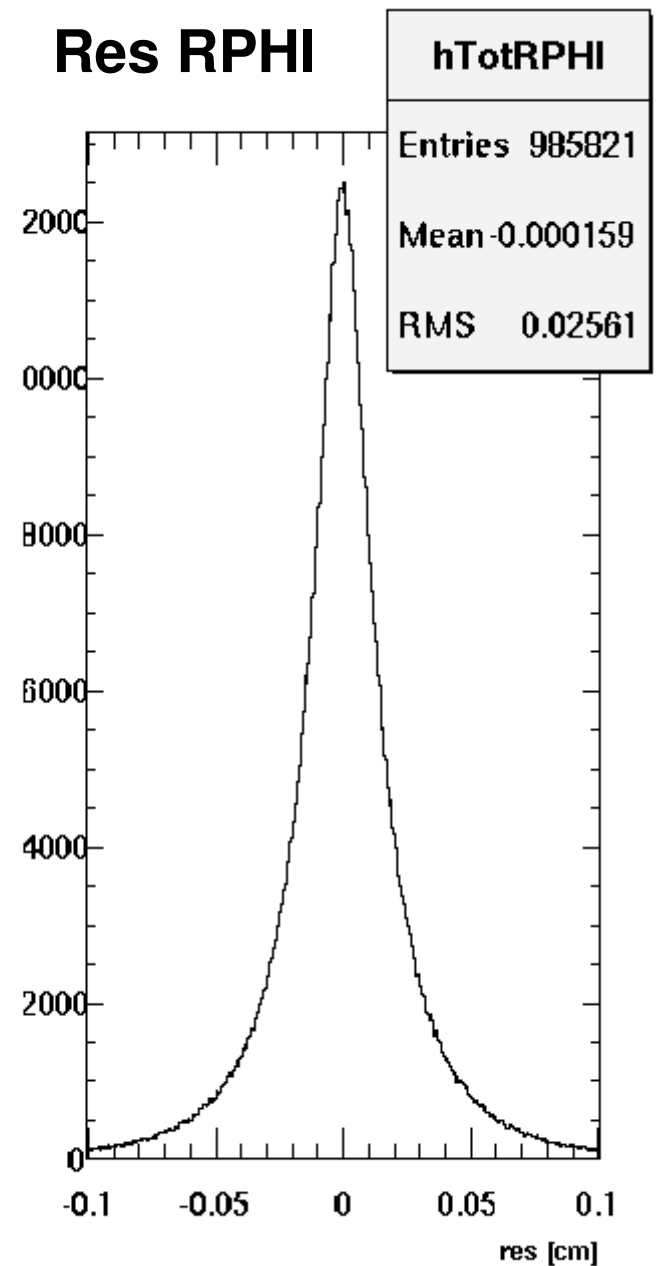
Res Z



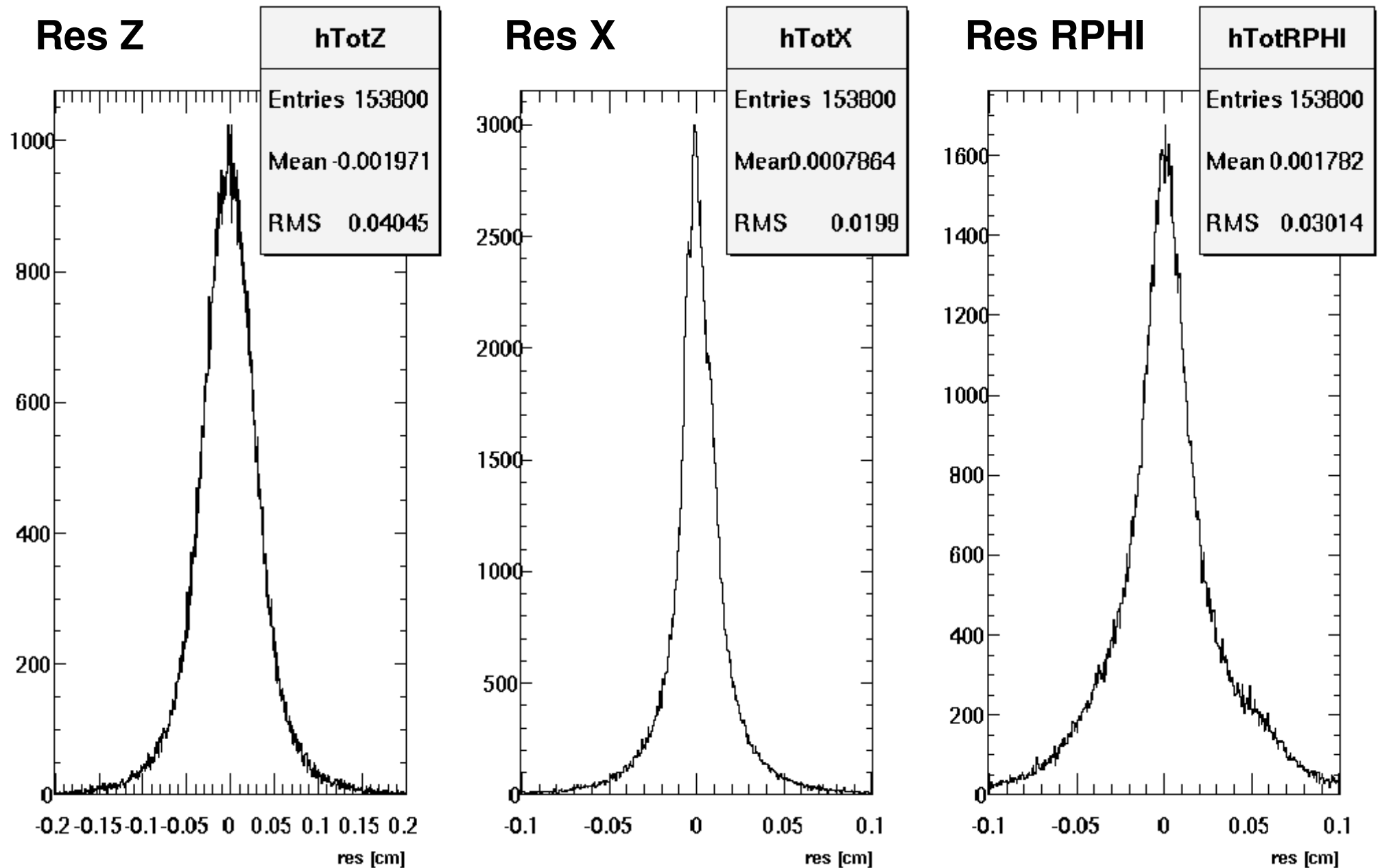
Res X



Res RPHI

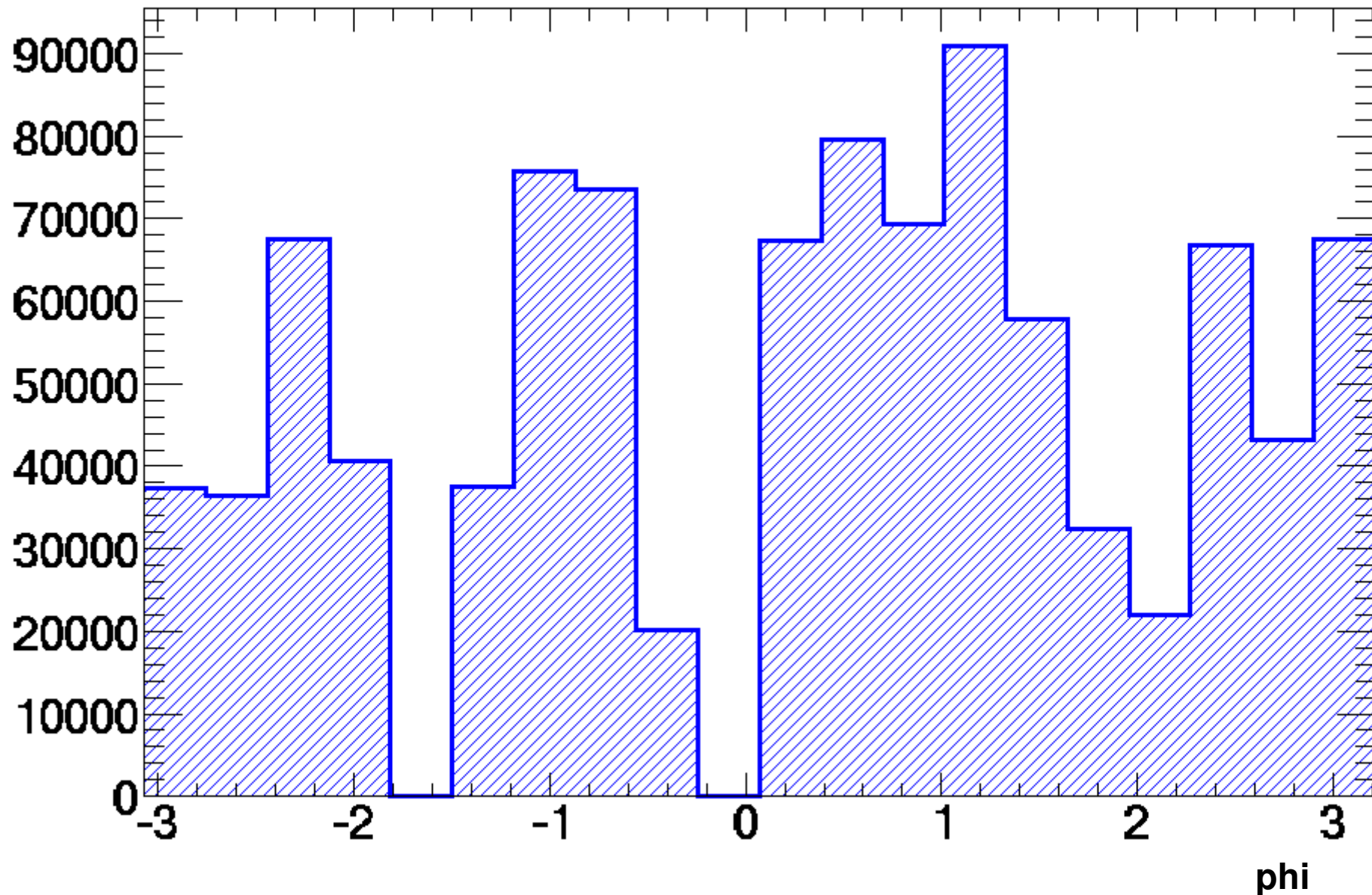


Overview: DATA



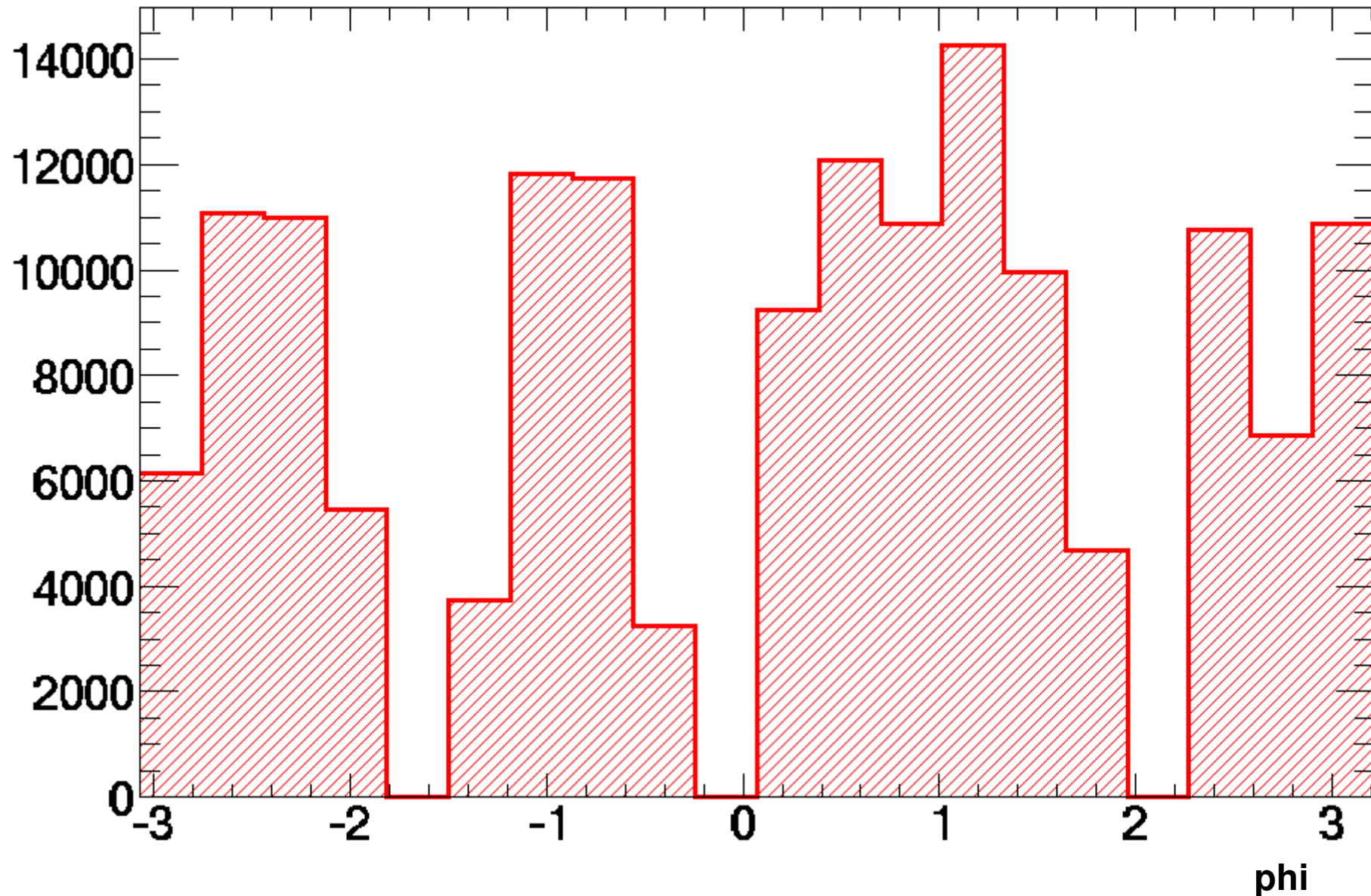
Phi distribution: MC

Hist with N tracks passing through a given module==(r,phi) zone

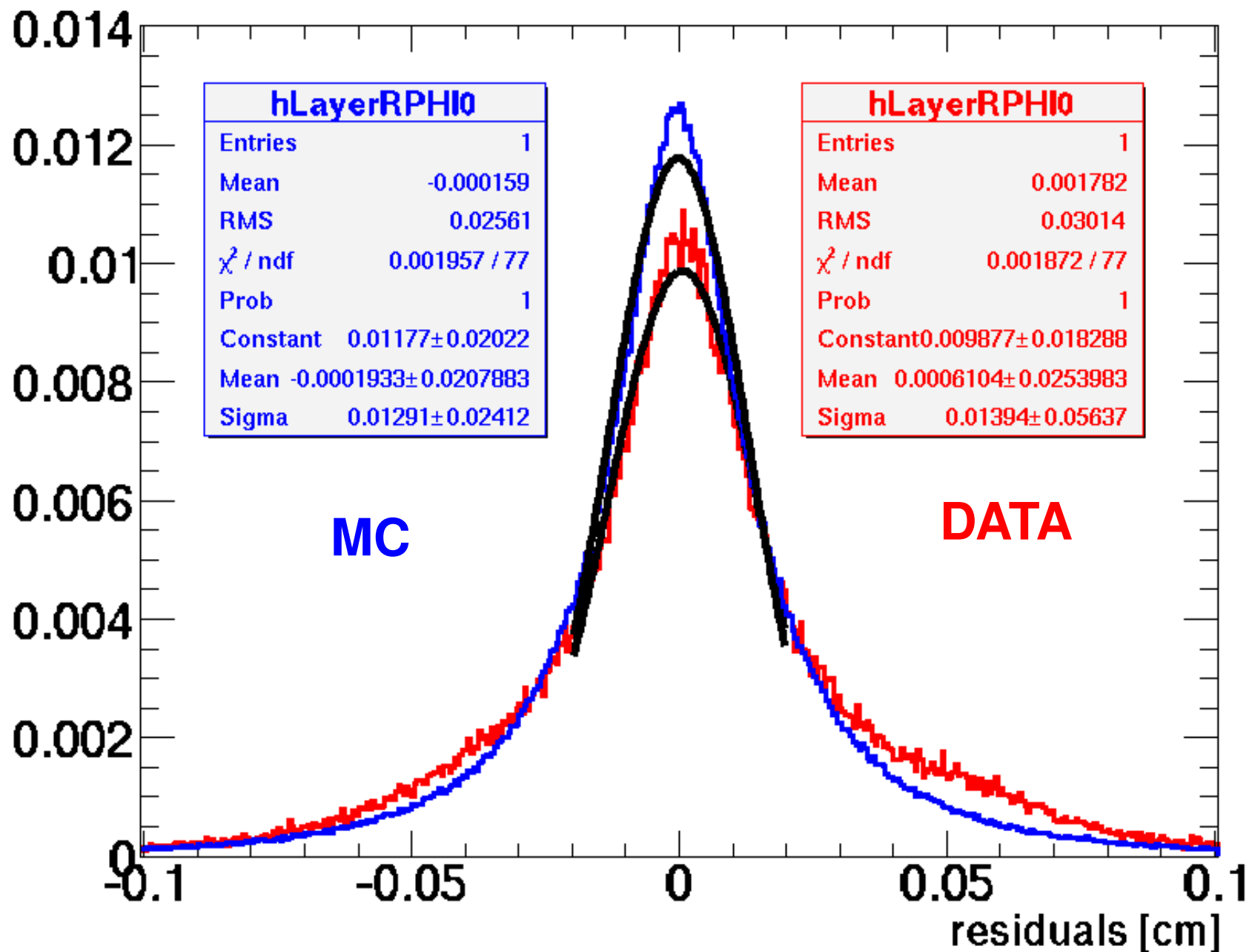


Phi distribution: DATA

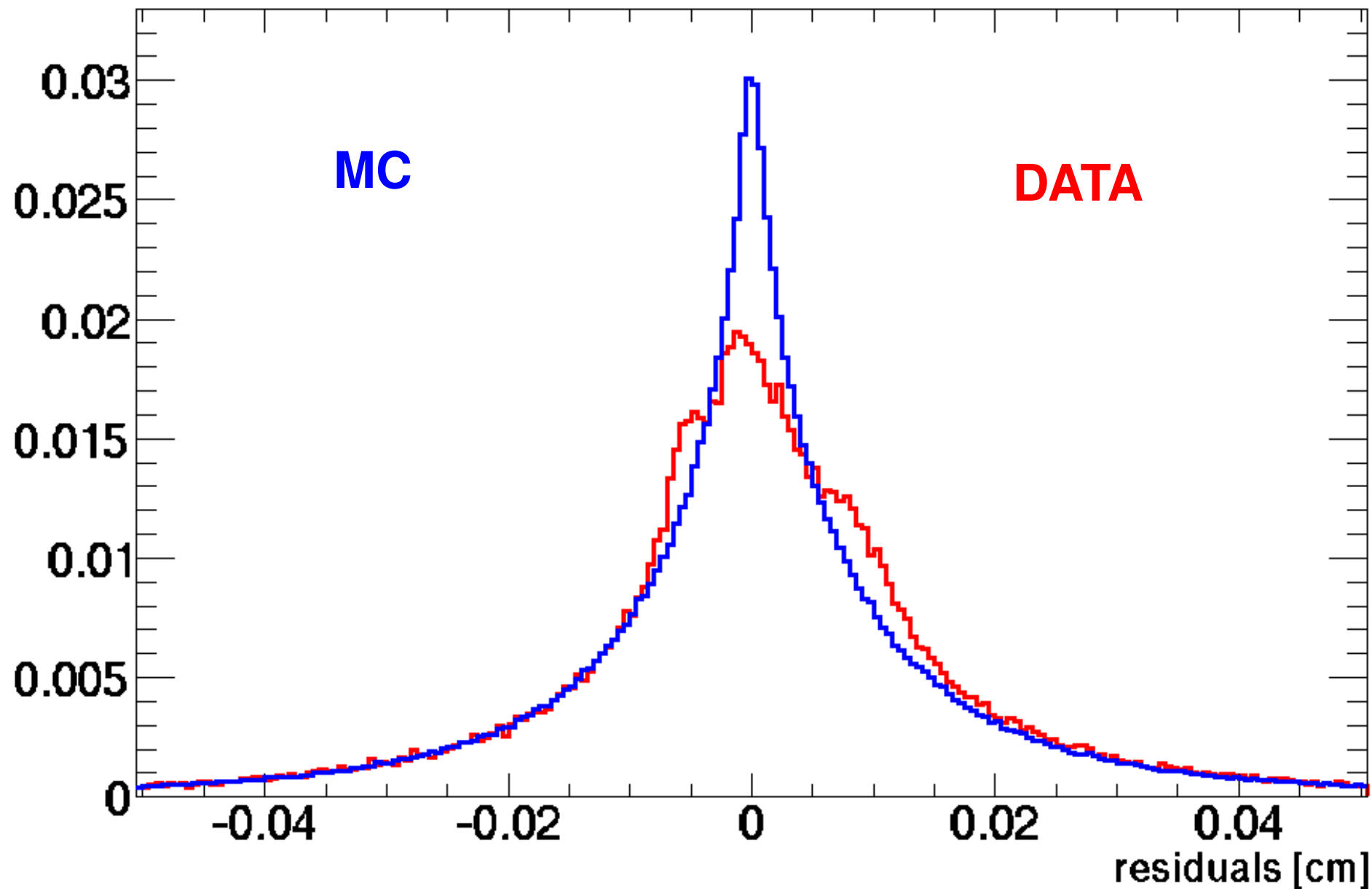
Hist with N tracks passing through a given module==(r,phi) zone



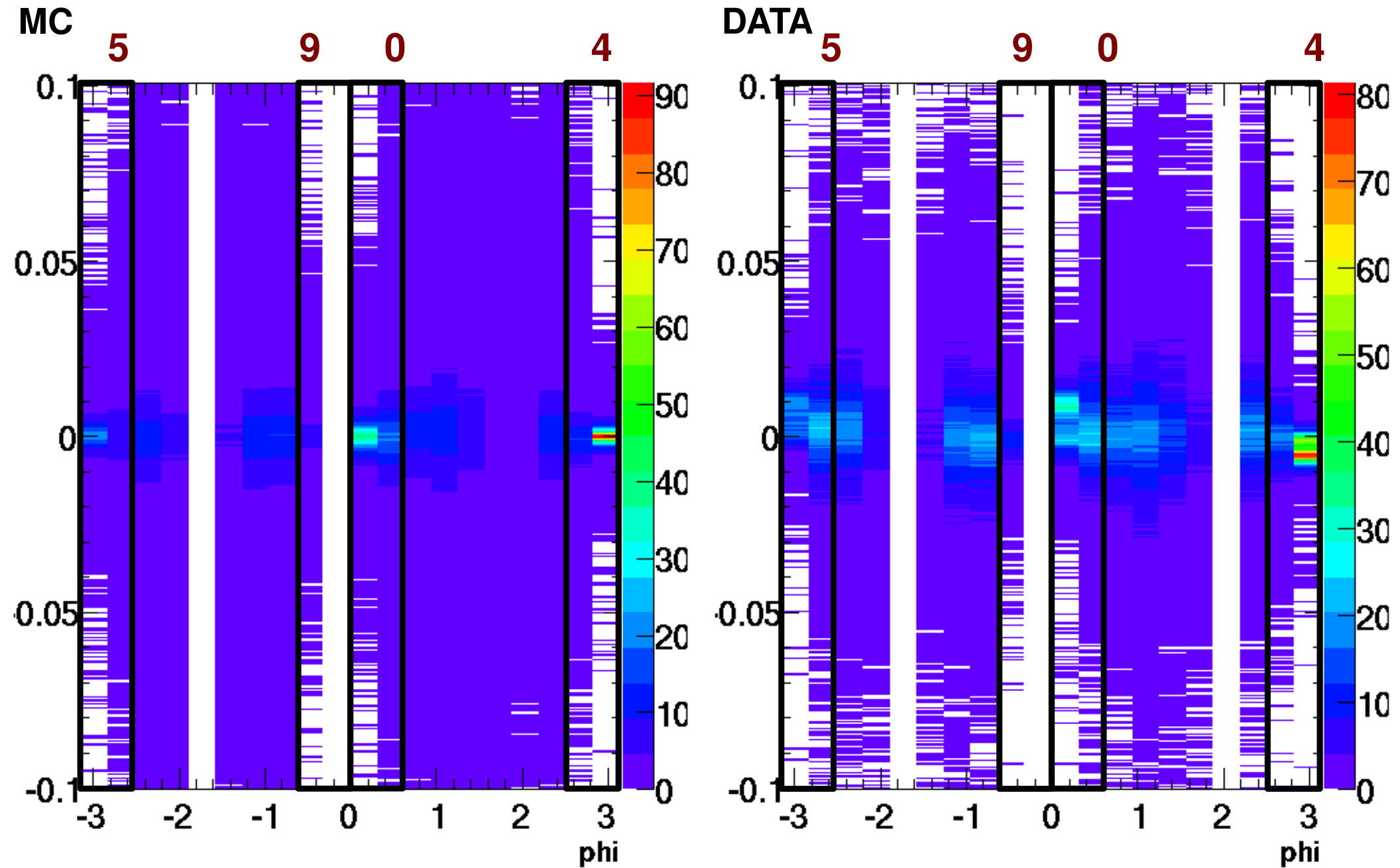
Comparison: rphi



Comparison: x



Comparison: x #2



To do

- **Add cuts in Pt;**
- **Solve the memory leaks;**
- **Improve the statistics** (now limited due to technical issues);
- With improved statistics, **run more checks** (check the residuals in y, check by Sector, use the SDD, etc.);
- **Add external configurability** (at the moment the list of analysis is hard-coded);