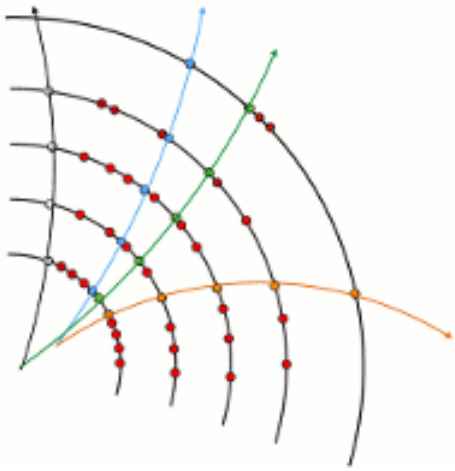




CEPC FST2 in ACTS

Gang LI

IHEP

06/29/2020

Geometry

- `ACTFWDD4hepGeometryExample -n1 -j1 --mat-output-file surfaces-map-FST2 --dd4hep-input ${GEOM} --output-json true --dd4hep-envelopeR 0.1 --dd4hep-envelopeZ 0.1 --mat-output-allsurfaces true --mat-output-sensitive false --output-obj 0 --output-root 1`
- The last two options are necessary, or it crashed
- Cannot produce obj file: **missing algorithm name**

branch: FST2_bugfixed

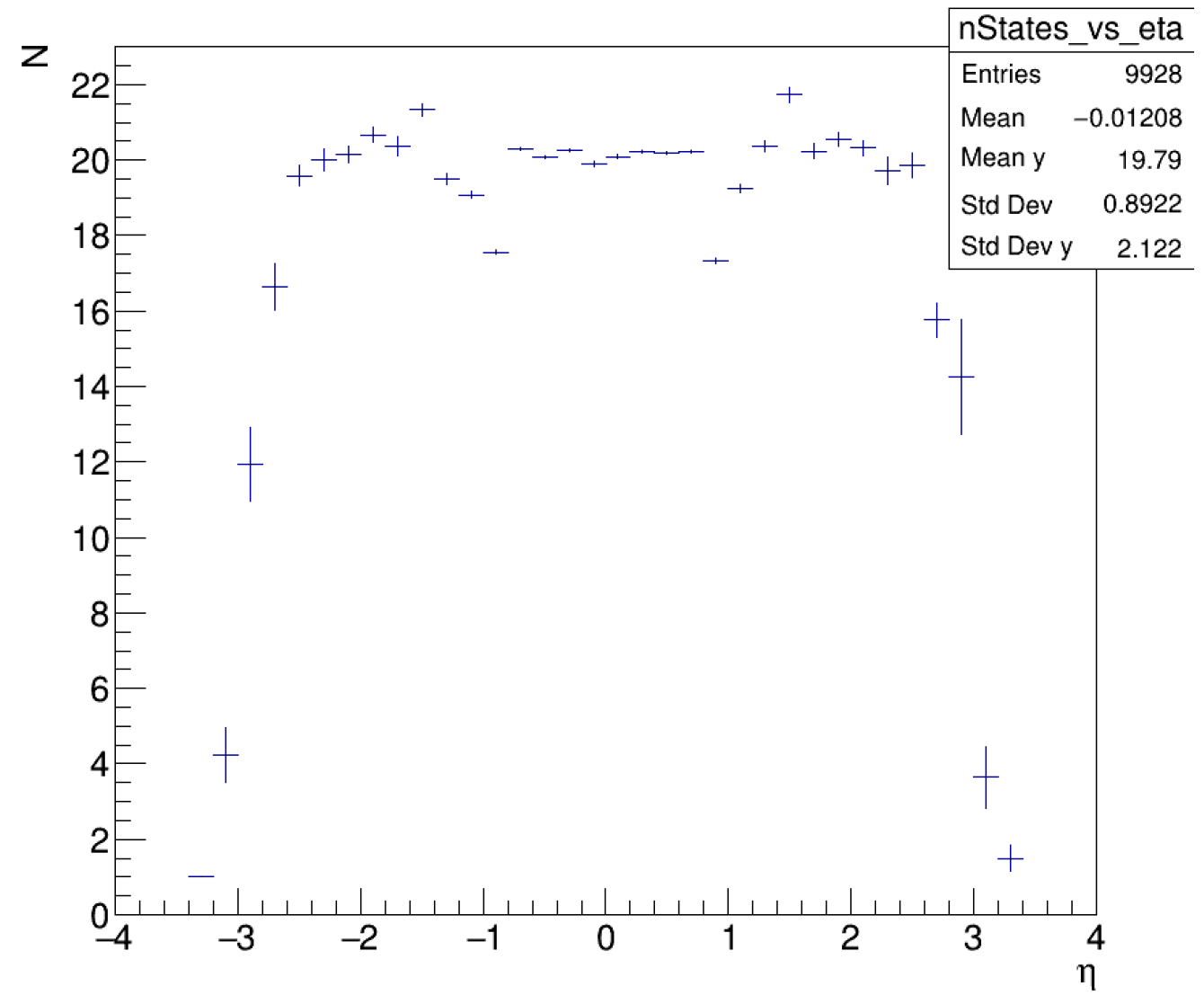
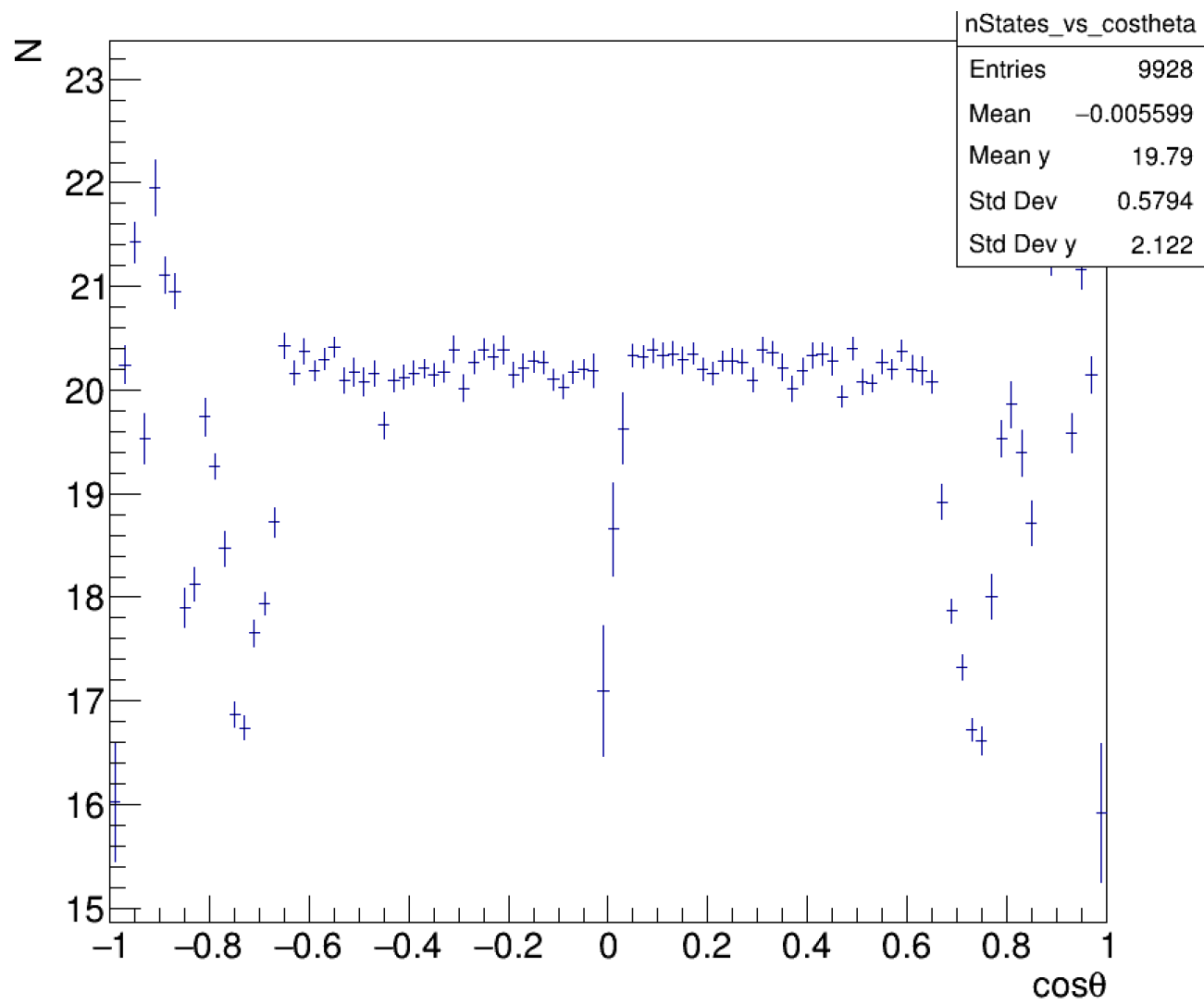
Propagation

- Works

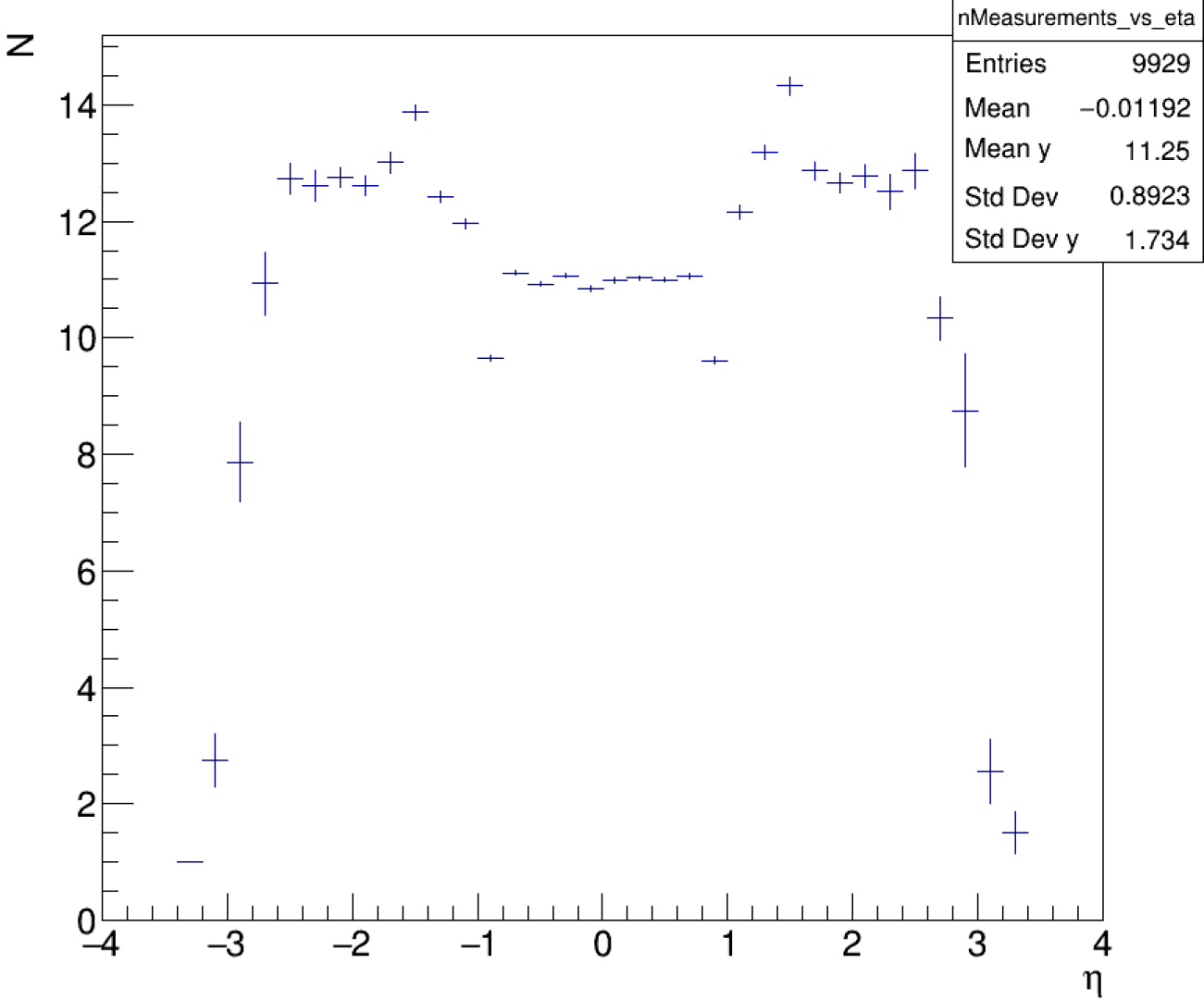
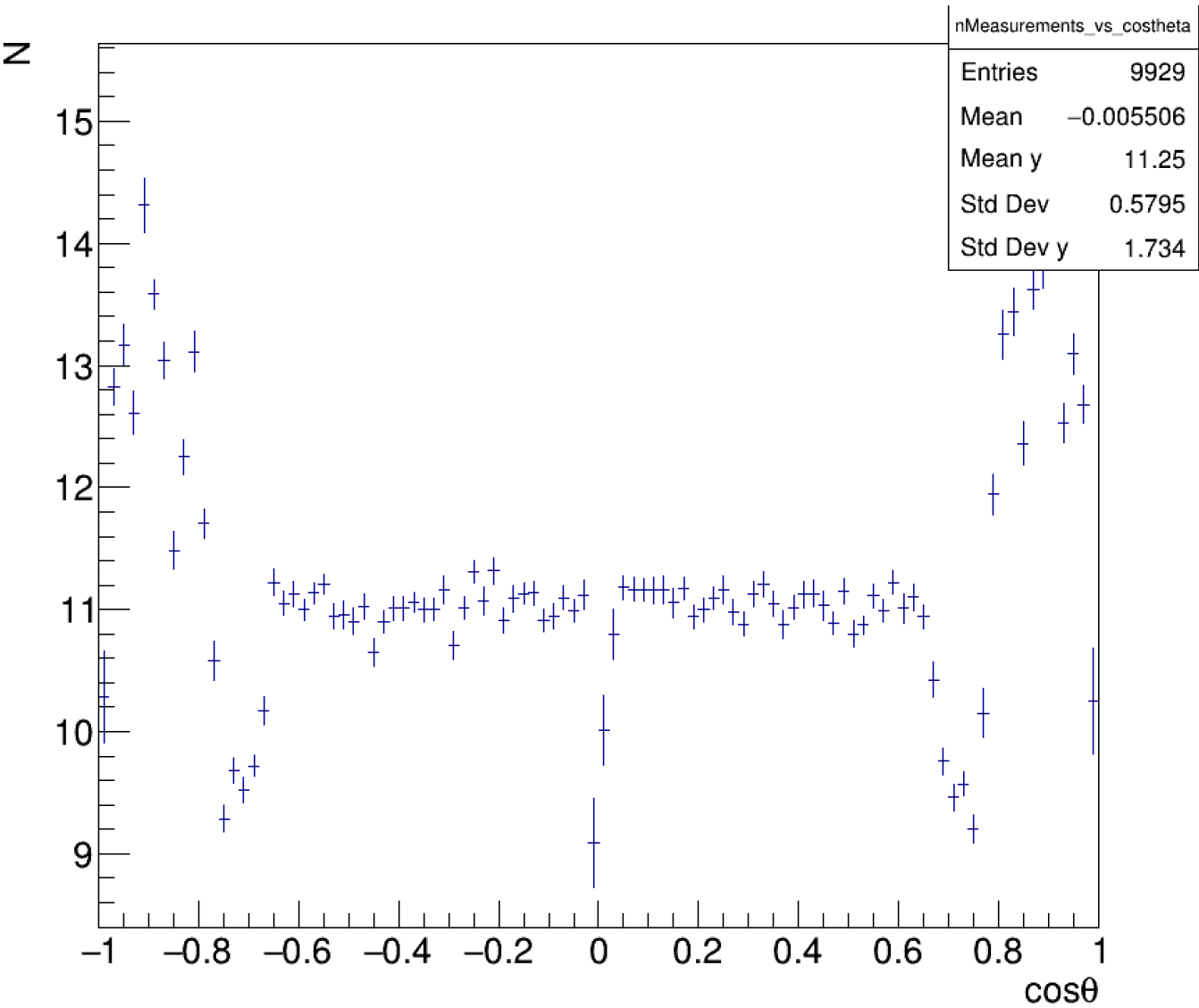
Material mapping failed

- `ACTFWDD4hepGeometryExample -n1 -j1 --mat-output-file surfaces-map-FST2 --dd4hep-input ${GEOM} --output-json true --dd4hep-envelopeR 0.1 --dd4hep-envelopeZ 0.1 --mat-output-allsurfaces true --mat-output-sensitive false --output-obj 0 --output-root 1`
- The last two options are necessary, or it crashed
- Cannot produce obj file: **missing algorithm name**
- **Material mapping failed**

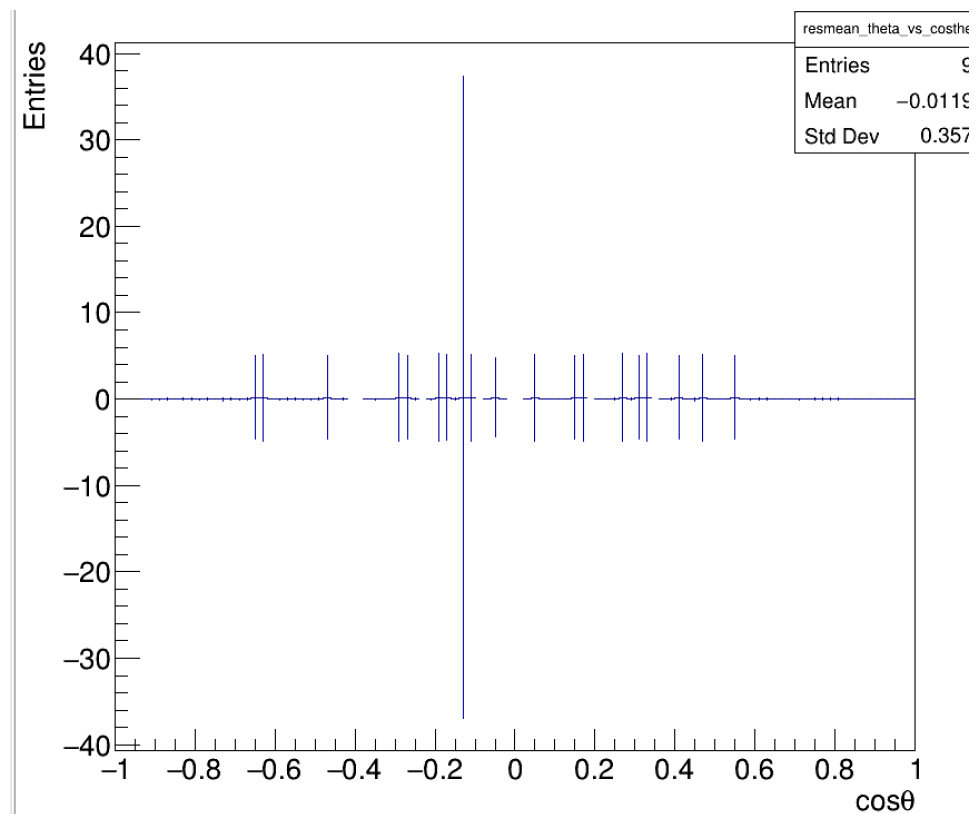
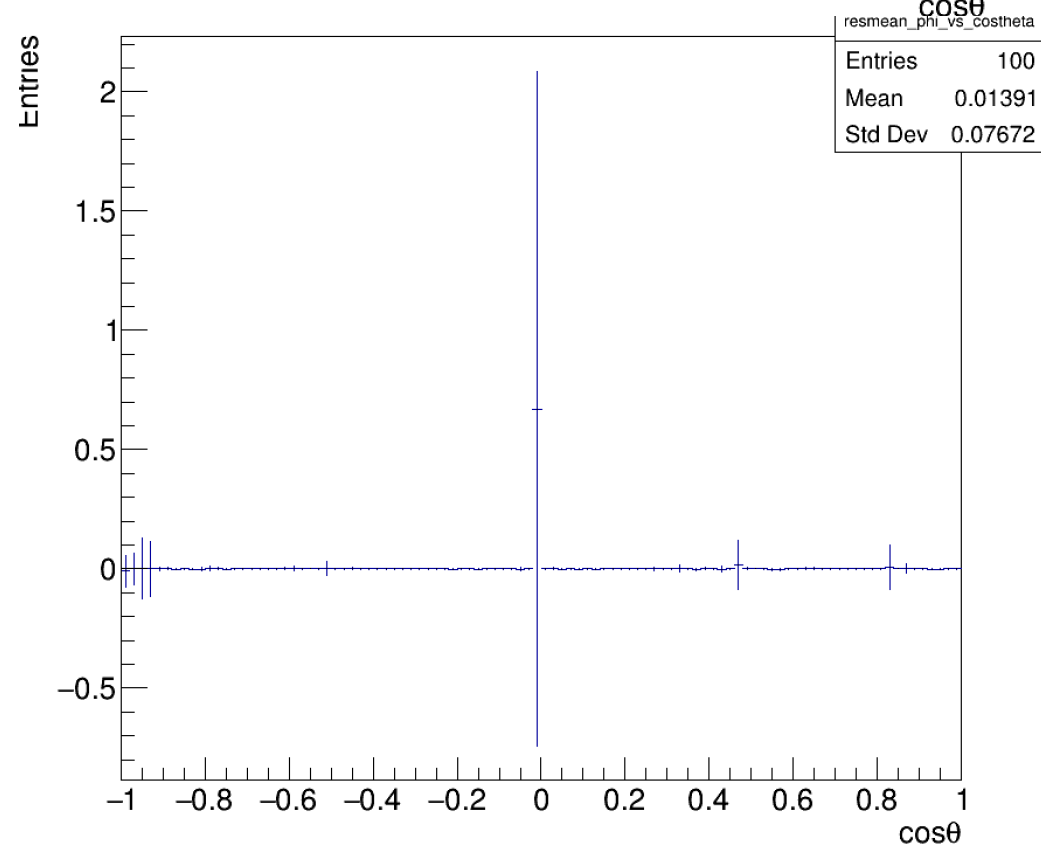
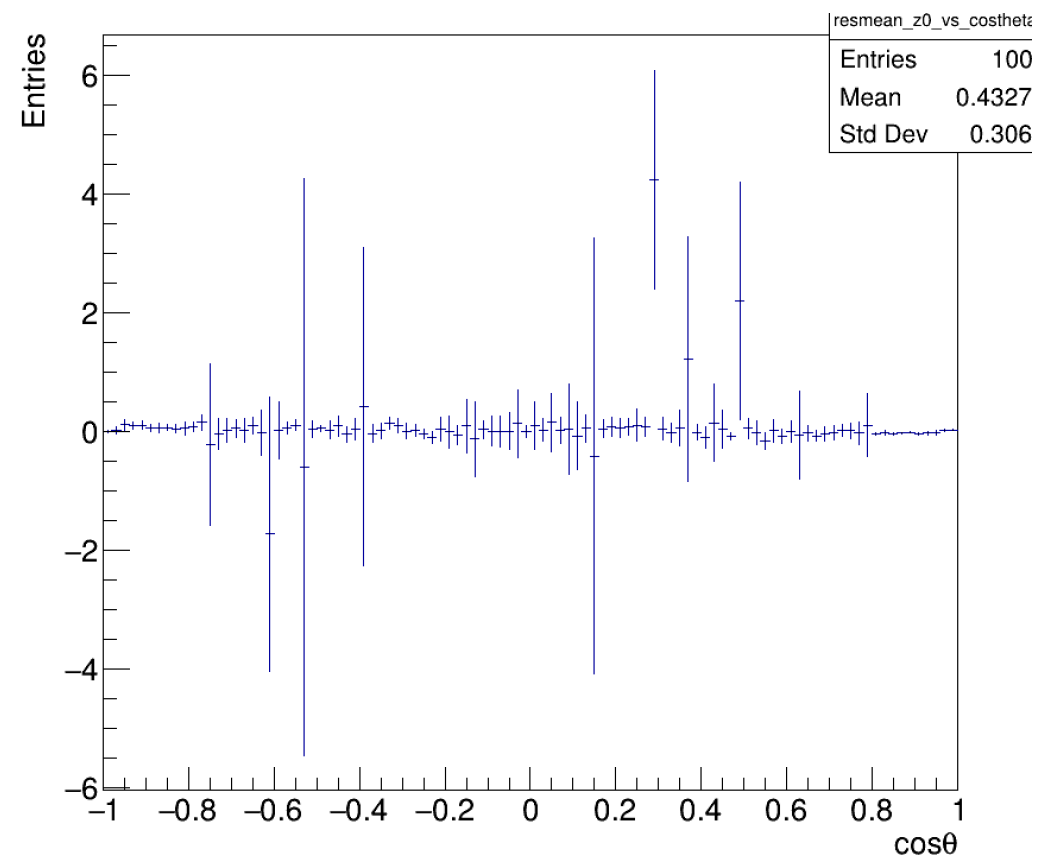
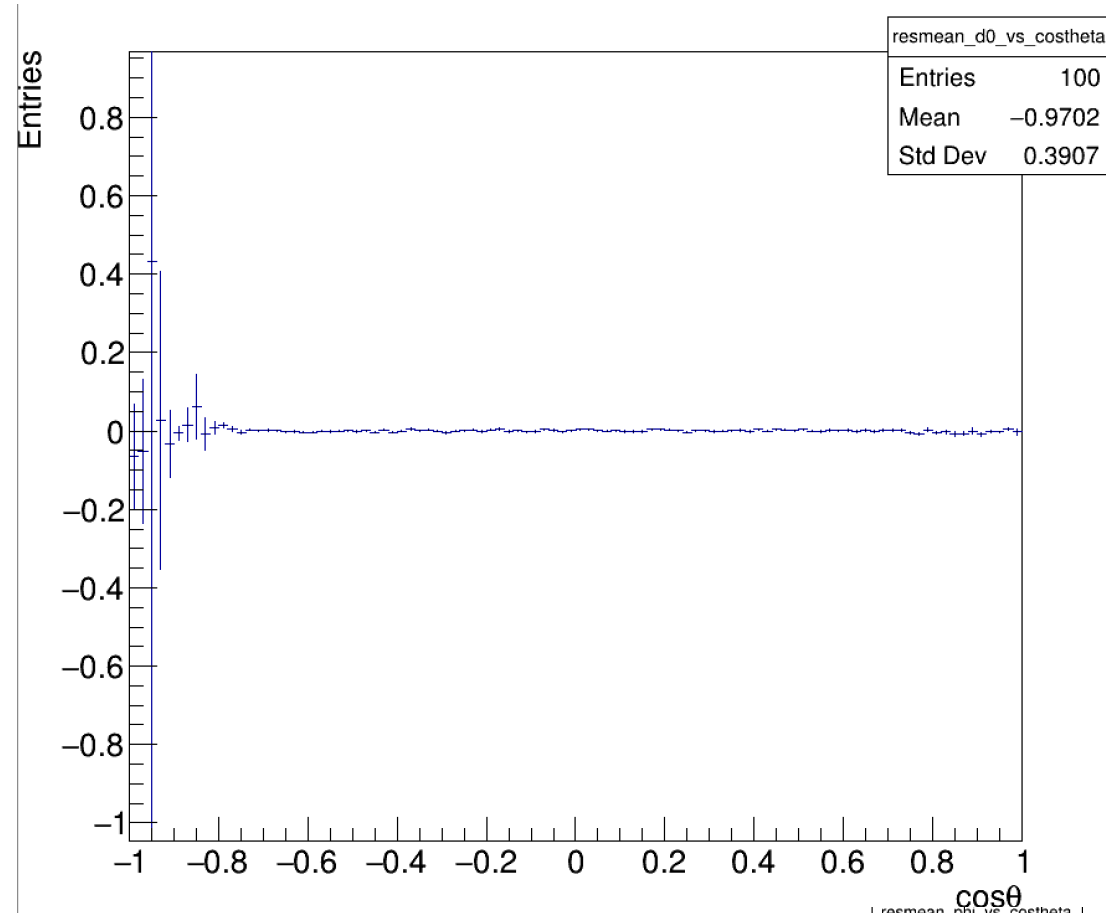
Fatras&Rec works



Fatras&Rec

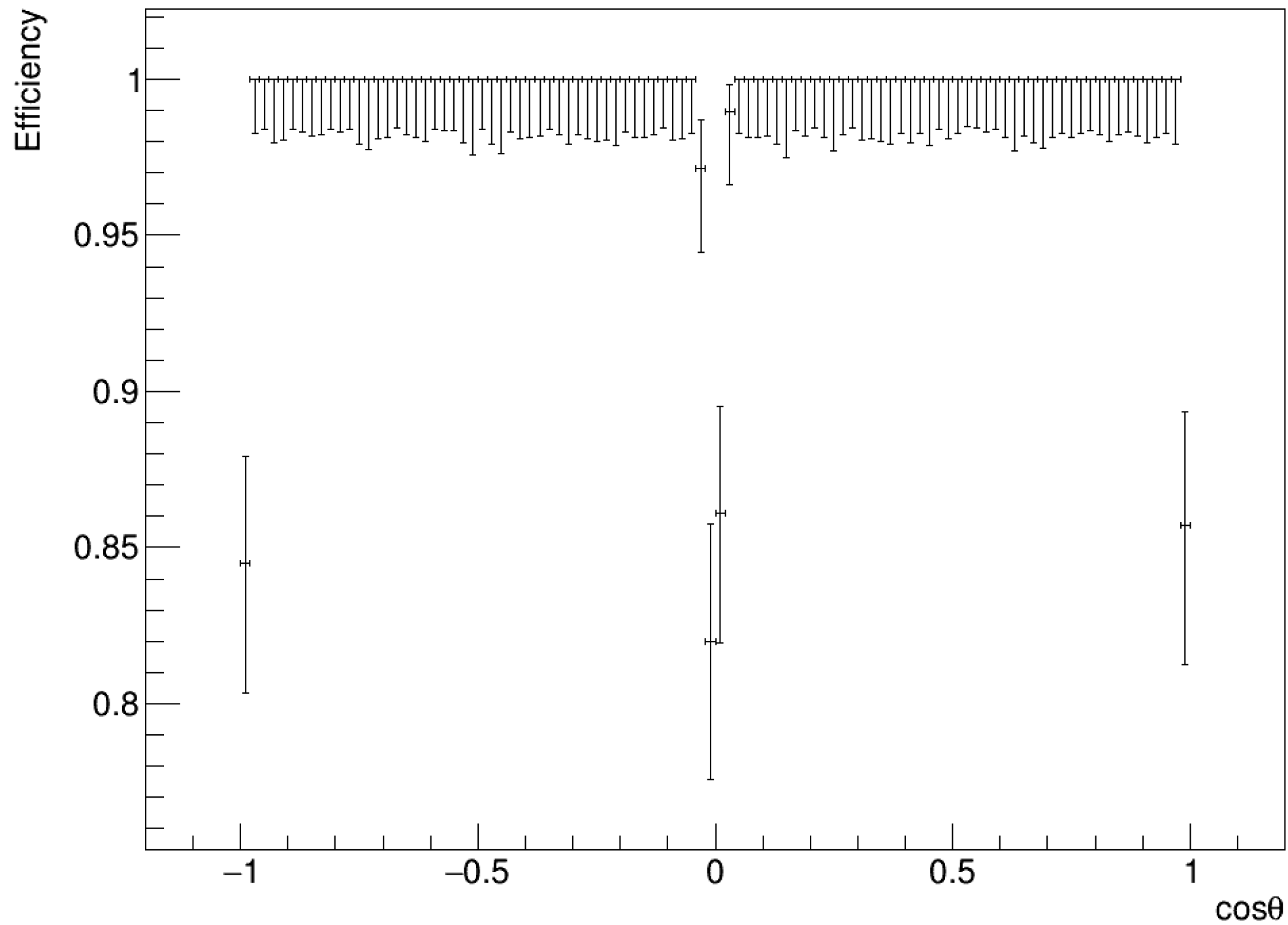


Fatras&Rec



Fatras&Rec

Tracking efficiency



Fatras&Rec

Tracking efficiency

