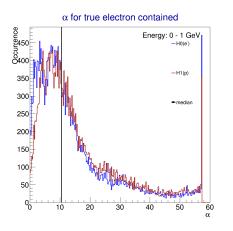
# Progress June 14th

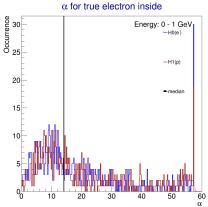
This presentation contains tests for pure electron and pure hadronic (not whole events)

- ▶ Direction reco
- ► F reco
- ► PID

#### Results

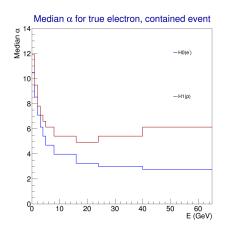
Direction reco working quite well, even for low E. Reco without phase space limits in the works.

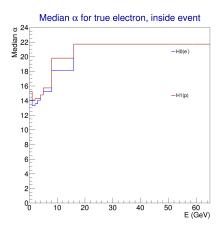




#### Results

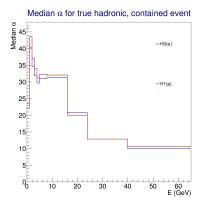
Direction reco becomes very good at higher E. Events close to can not so much.

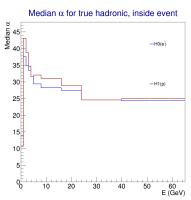




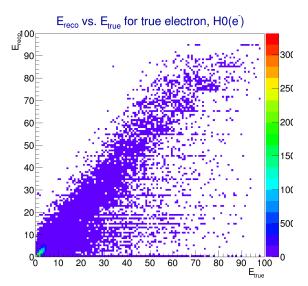
### Results

Hadronic reco also possible, but not nearly as precise.

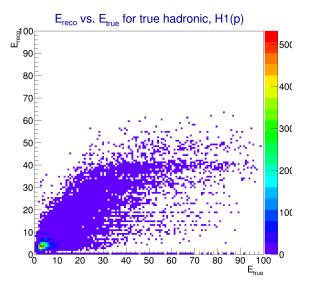


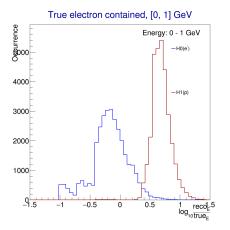


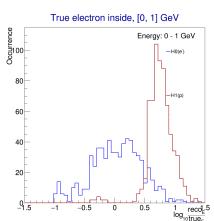
### E reco vs. E true E reco working quite well for e.



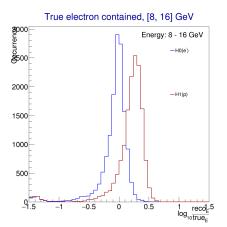
## E reco vs. E true Proton hypothesis has weird shape... Still not bad

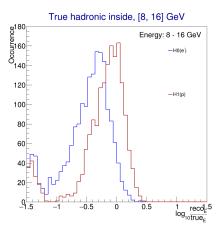




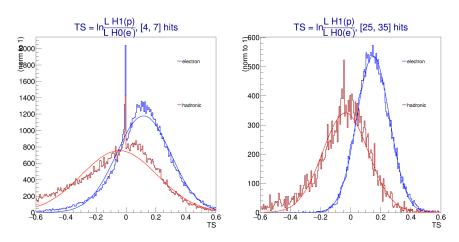


#### Gets better at high E. ideas for quantifying this nicely?





Distinguish between EM shower and hadronic shower<sup>a</sup>? We're getting there...



 $<sup>^</sup>a$ Remember: PURE showers, this is like  $u_e$ -NC vs. EM shower