Discussion:

Inclusive Group Plots
for Proposal?

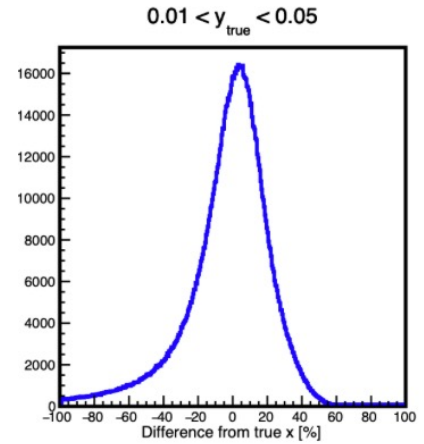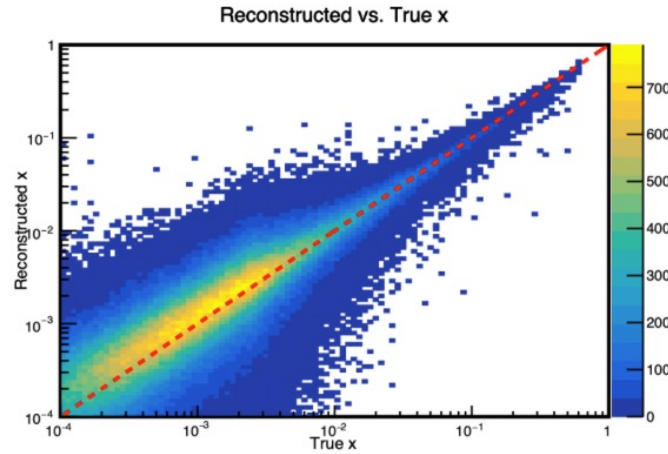# 1) Resolution on Kinematic Variables

-   Studies underway by several groups (Xiaoxuan et al, Stephen Maple et al, Barak et al, Miguel et al)

-   Final presentation?
        → Resolution (ie width of rec/true distribution) in y, Q^2, x as function of y, Q^2, x.
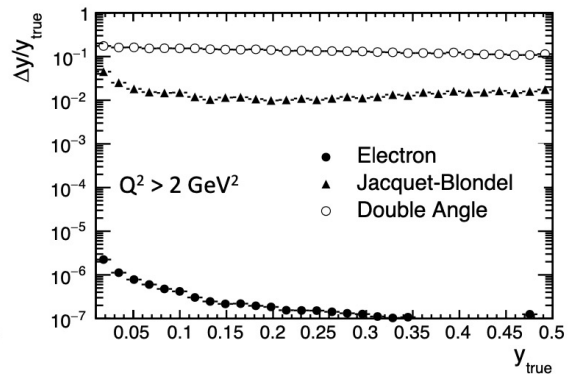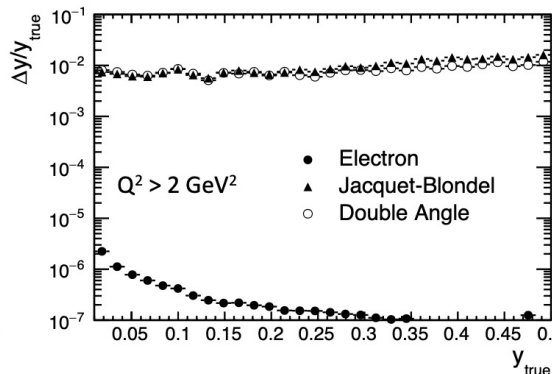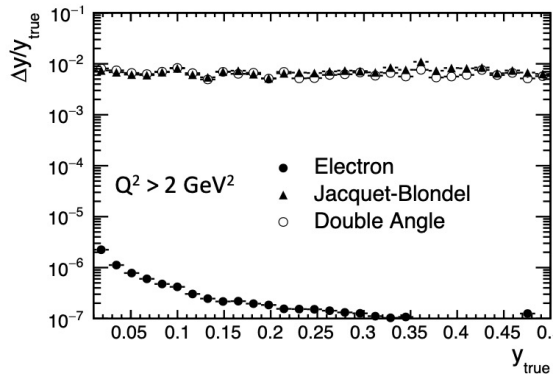   → Include electron, hadron, mixed methods
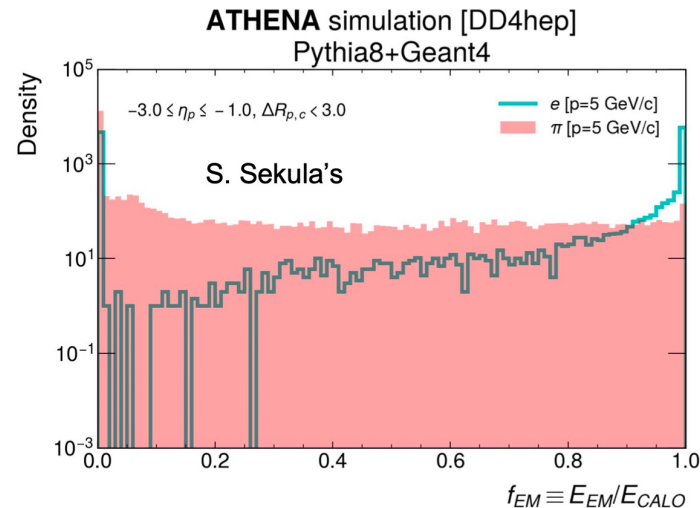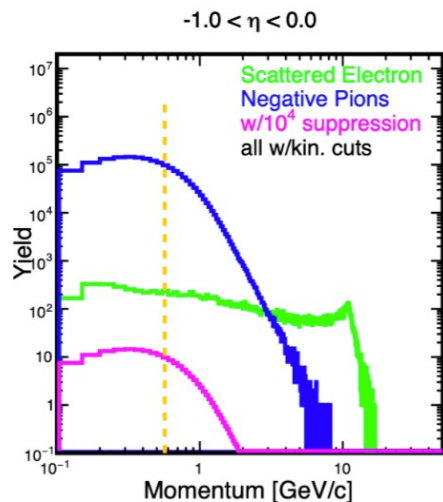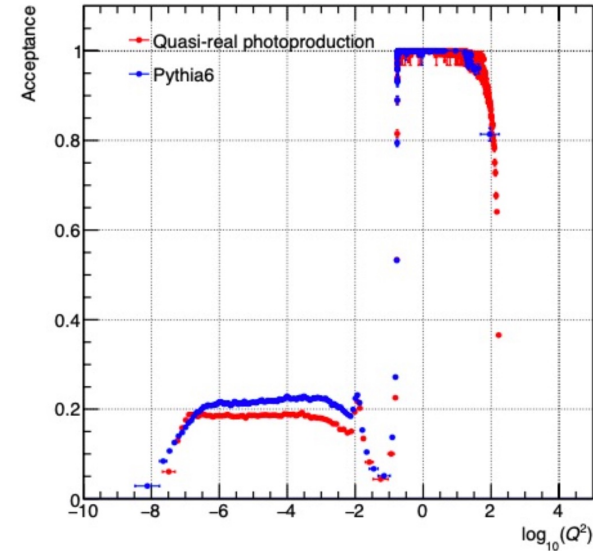   → Maybe useful to do this versus electron and HFS angle or η to make direct connection with detector.

[Xiaoxuan Chu]

2) Electron ID performance

- Electron acceptance as function of Q^2?
  - → Should extend to(wards) photoproduction limit
  - → Easy study when we have Fullsim MC

- Electron ID – background suppression
  - → Derived from e/π ratios (MC), estimated PID suppression factor and (ideally?) isolation / calorimeter shower shape selection
  - → Requires more thought on how to obtain and present?

3) Impact on Cross Sections
4) Impact on Parton Densities

See last talk / discussion.

→ Cross Section precision (including low $Q^2 \to 0$)

→ Inclusive PDFs at high x

→ Estimated impact on nuclear and spin PDFs?

→ More?...

   ... What is realistic given timescales and person-power?
   ... Are there major omissions in plans
   ... Task allocations?