

# Summary of activity

- Reconstruction methods
  - Shima gave update at EW meeting yesterday
  - JB and DA performing worse than expected?
  - Need more simulation
- Fast smearing
  - Repeat electron smearing simulation with “June 2021 Concept”
  - Smearing for CC?
- Background
  - Meeting with PID group on Friday (1pm EDT)
  - Estimated pion contamination uncertainty of  $<0.2\%$  for EW
  - Adequate for inclusive?

# Open tasks

- Low  $Q^2$  studies
  - Generator (DJANGO? PYTHIA?)
  - Far backward detector (low  $Q^2$  tagger)
    - Not much interest in developing
    - Simply take another design (no need to be ECCE-unique)
- Polarized events
  - Longitudinal polarization can be done with DJANGO
  - Twist-3  $g_T$  requires *transversely* polarized proton
    - What generator?
- Need to begin developing analysis  
(cross section  $\rightarrow$  structure functions  $\rightarrow$  theory impact)