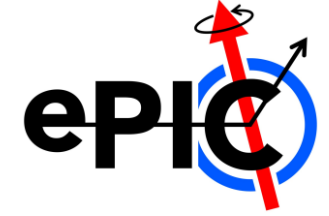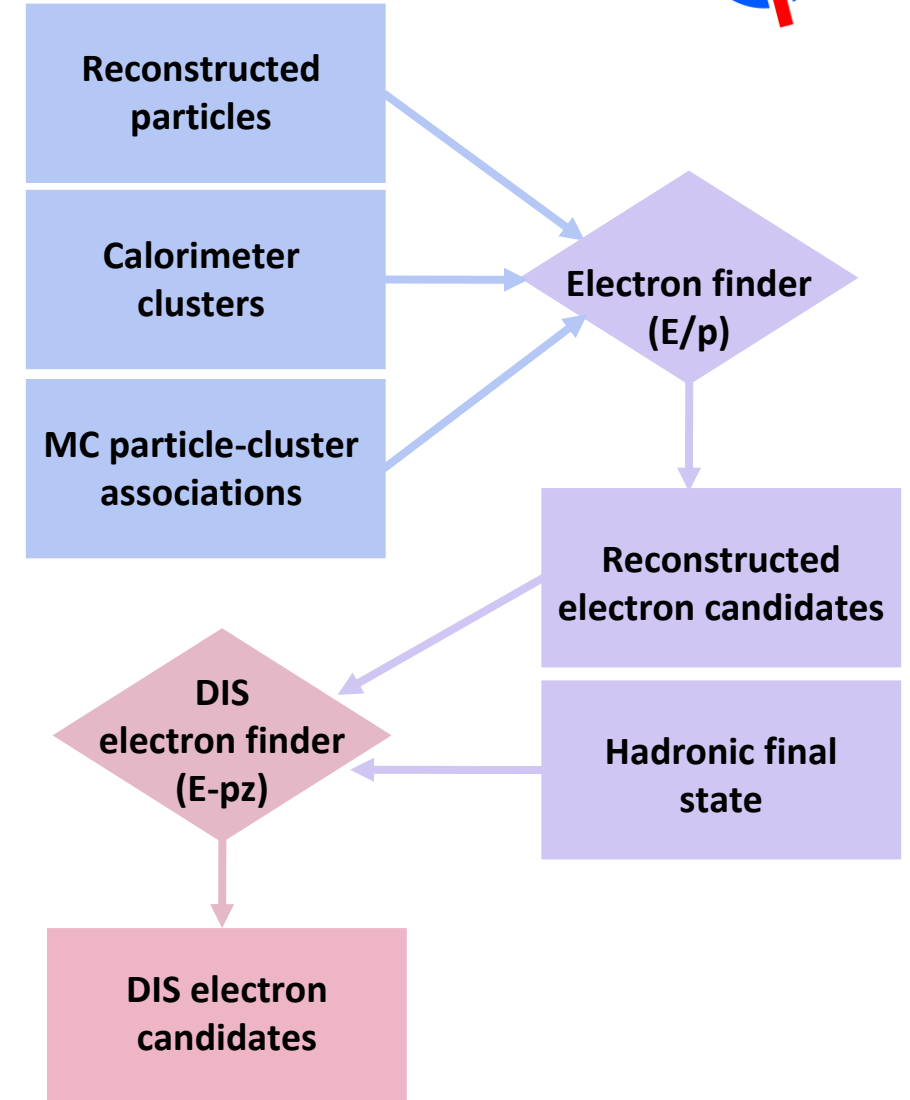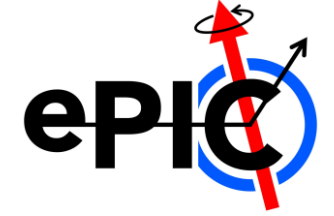# Electron ID + reconstruction status

o **Overall Status**
- Basic workflow in place
- **What's in place?**
  - › All basic components
- **What's missing?**
  - › Fully reconstruction-based matching/associations
  - › eID parameters (E/p, E-pz) in output
  - › Calorimeter energy for electron reconstruction

o Workflow Inputs/Outputs:
- **Input: *Reconstructed particles, calorimeter clusters, cluster-particle associations (truth info)***
  - › (edm4eic::ReconstructedParticle)
  - › (edm4eic::Cluster)
  - › (edm4eic::MCRecoClusterParticleAssociation)
- Output: *DIS electron candidates (subset of reconstructed particles)*
  - › (edm4eic::ReconstructedParticle)

Electron ID + reconstruction status

o **Near Term Goals:**
  - Track-cluster matching
  - Electron ID variables in output
    - New data type for electron candidates?
  - Electron ID output feed back into reconstructed particle ID?
  - Tune electron ID cuts
  - Calorimeter clusters in electron energy reconstruction