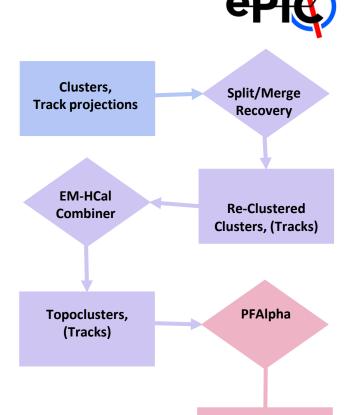# Reco Status | Particle Flow

- **Overall Status**
  - Work started, but on hold…
  - **What's in place?**
    - › Truth-based track-EMCal matching
      (i.e. *MatchClusters* algorithm)
  - **What's missing?**
    - › Non-truth based track-cluster matching
    - › Integration of HCal info

- PFAlpha Inputs/Outputs:
  - **Input:** Track projections, Clusters,
    - › (edm4eic::TrackSegment)
    - › (edm4eic::Cluster)
  - **Output:** Reconstructed particles
    - › (edm4eic::ReconstructedParticle)
- **Near Term Goals:**
  - Finish implementation of PFAlpha
- **Longer Term Goals:**
  - Refinement of PFAlpha using PID
  - Explore alternative algorithms vs. eta

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