

# Reco Status | Tracking

## Overall Status

- Basic workflow in place
- **What's in place?**
  - › tracking finding/fitting with space points
  - › realistic seeding and ambiguity resolution
- **What's missing?**
  - › Charge sharing and hits clusterization
  - › Timing info

\*see [Barak's talk](#) in general meeting for more info

## Near Term Goals:

- Understand tracking behaviors with hit-track and seed-track associations
- Optimize algorithm performance

## Longer Term Goals:

- Tracking with time frame
- Noise and clustering

## Workflow Inputs/Outputs:

- **Input:** \**RecHits from silicon tracker, MPGD, TOF, BO*
- **Output:** *CentralCKF(Seeded)Trajectories(Unfiltered) Tracks*  
*TrackParameters*

**Seed finder** Can find multiple triplets from one track

**CKF** allow track candidates split in track finding from one initial guess  
⇒ use ambiguity solver to **filter** duplicates

**Red: work in progress**

