

# INTT efficiency study Status report

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# Status

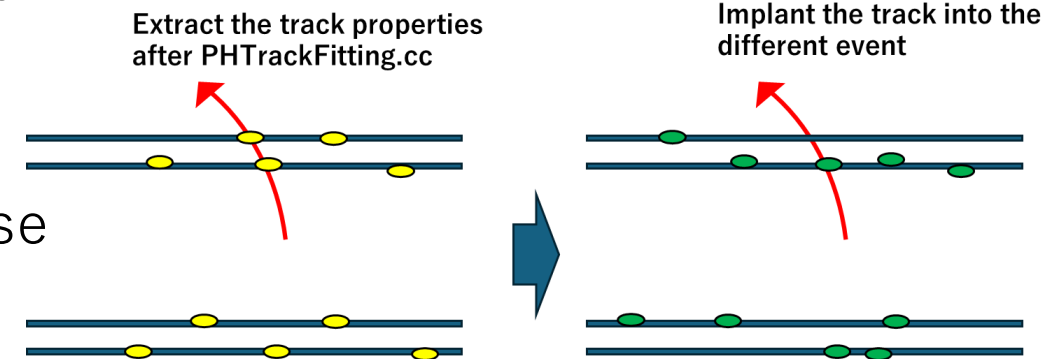
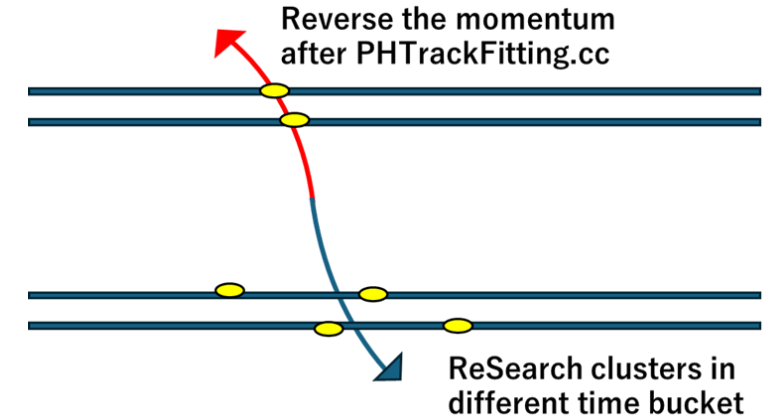
- Converting my codes to Acts/PHActs classes
- Planning to modify PHActsSiliconSeeding for my analysis
- Also wanted to reproduce INTT TrkrCluster DSTs

# Convert my codes to PHActs/Acts classes

- I realized that almost things I did by myself is already built in Acts/PHActs classes.
- So, I will basically use Acts/PHActs classes for my analysis.
  - For calculating intersection position to INTT layer, Event Display, Nearest cluster search, backward tracking...
- Actually, I think all of my analysis should follow PHActs methods.

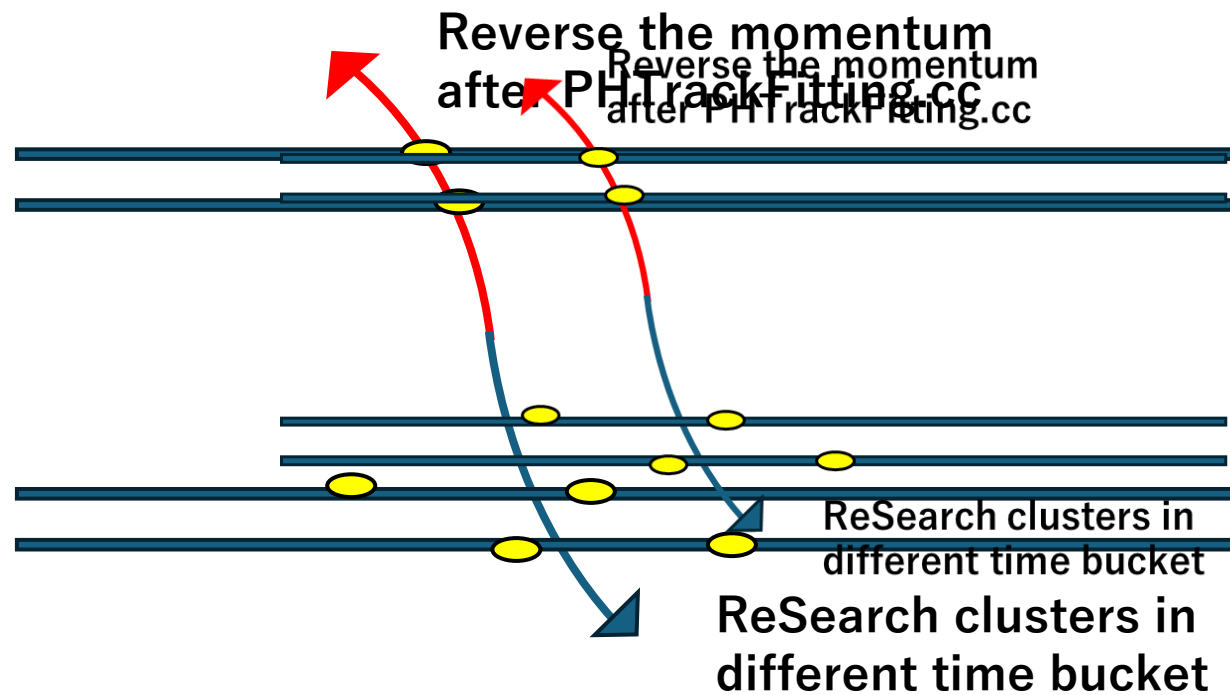
# Modify PHActsSiliconSeeding

- I want to calculate the possibility of INTT cluster finding at random.
- Is there any codes in Tracking group that can do that?
- If no, I'll modify PHActsSiliconSeeding or just use some of them.

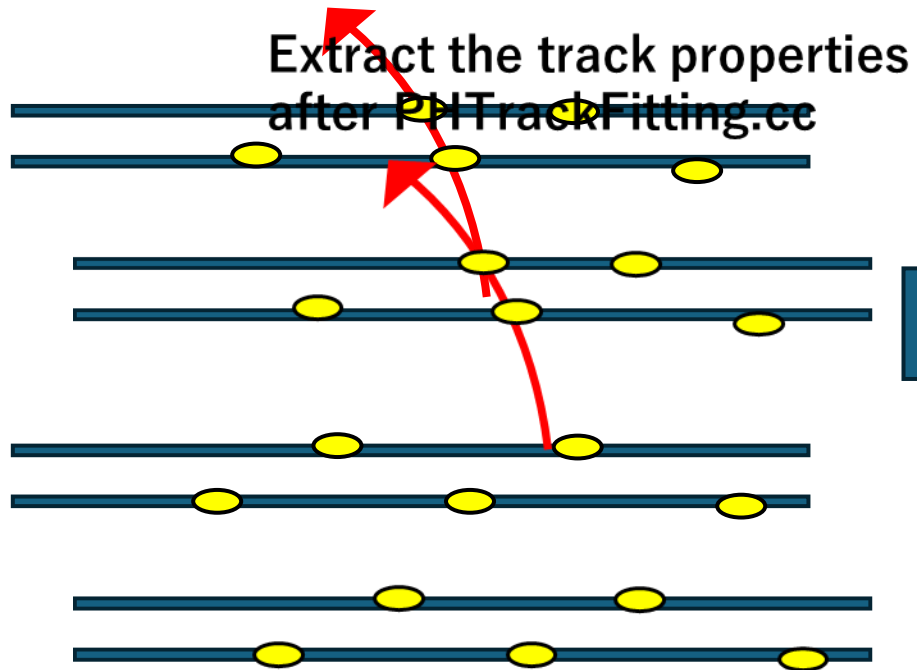


# Reproducing TrkrCluster DST for INTT

- I wanted to set a chip occupancy cut for track.
- That can be done only with TrkrClusterContainer.
- But with TrkrHit and TrkrClusterHitAssoc is easier.
- Also, DSTs with half entry chip is needed.
- Could someone reproduce the DSTs or share me the codes?



Extract the track properties  
after PHTrackFitting.cc



Implant the track into the  
different event

