

TrackingCheater

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For each [SimTrackerHit](#) in charged tracking devices, the **TrackingCheater** finds the [MCParticle](#) giving rise to the hits and creates a corresponding [CheatTrack](#). It uses the MCParticle's momentum vector to provide the track momentum required to satisfy the [FoundTrack](#) (and [Track](#)) interface.

The **TrackingCheater** finds combined tracks in all tracking devices that have [SimTrackerHit](#)'s from the same MCParticle. The [CombinedTrack](#) object is similar to the [CheatTrack](#) except that it has additional methods to add and get [CheatTracks](#) from its internal list.

```
To add the TrackingCheater to a process, use

    add(new org.lcsim.recon.ztracking.cheater.TrackingCheater());

To access tracks use event.get(CombinedTrack.class).
```

The **TrackingCheater** classes are divided into the following packages.

Packages:	Classes:
<i>org.lcsim.recon.ztracking</i>	FoundTrack
<i>org.lcsim.recon.ztracking.cheater</i>	TrackingCheater
	CheatTrack
	CombinedTrack