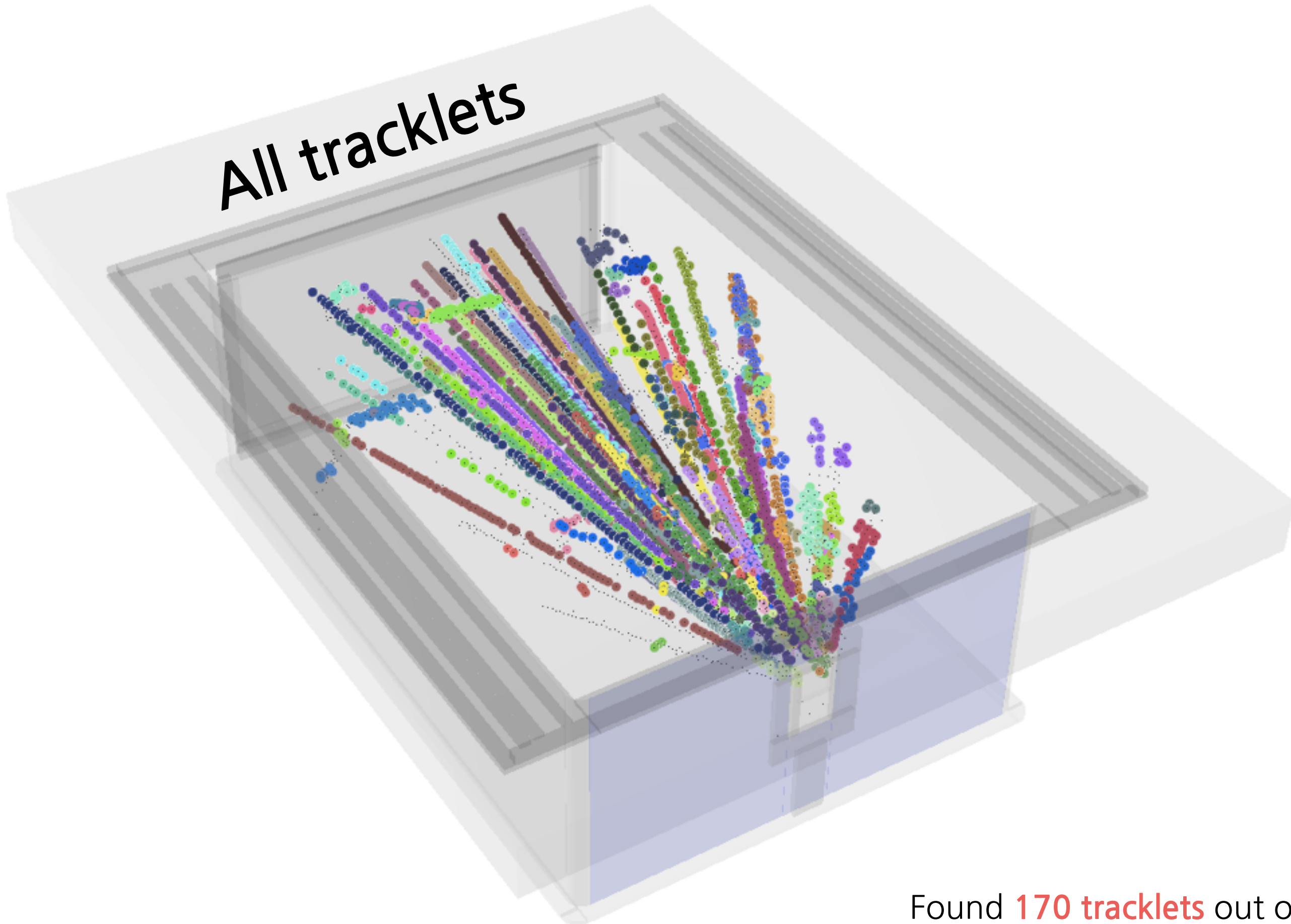


Riemann Tracking Configuration

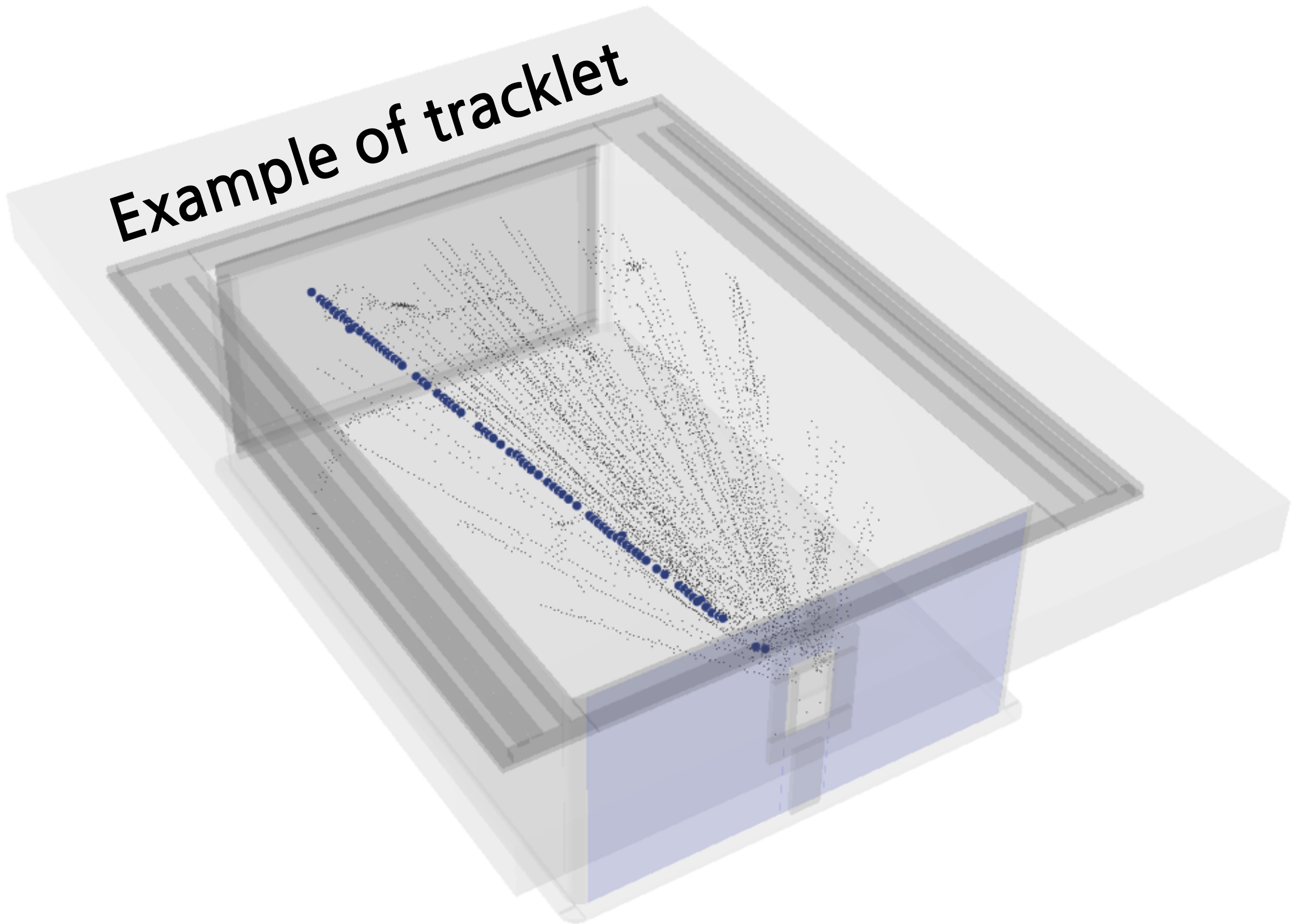
- **Track Finding parameters**
 - Minimum points in track = 5
 - **Proximity cut** = 40 mm (~3 pad size)
 - **Distance from helix cut** = 1.6 mm
 - **RMS of distances to helix cut** = 5 mm
 - z-stretch proximity cut = 1.6 (1 by default)
- **Track Merging parameters**

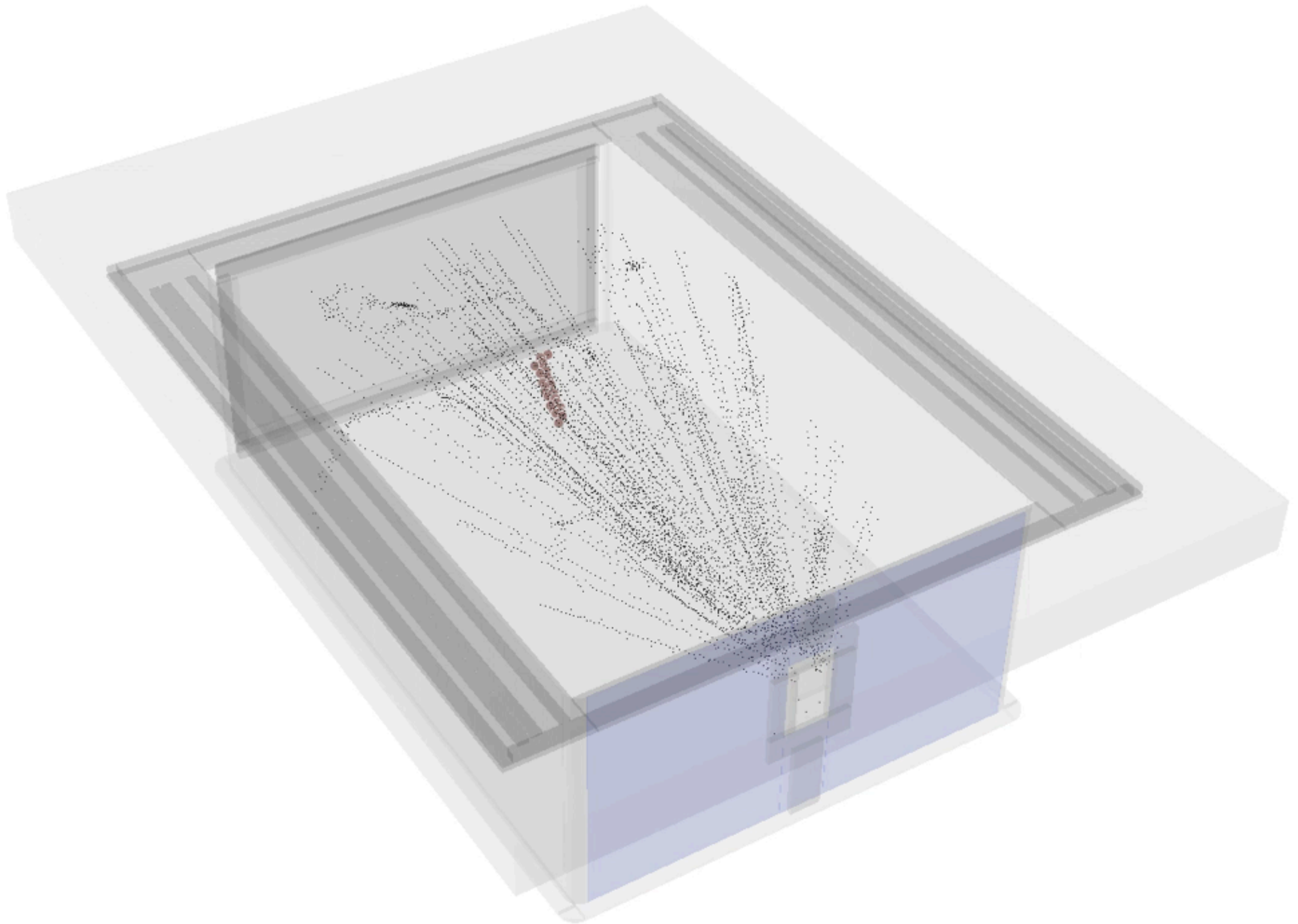
All tracklets



Found **170 tracklets** out of
80 produced charged particles

Example of tracklet





40 second movie

Browser Eye

Eve Files

- Window Manager
- Viewers
- Scenes
- STEventManager**
 - HitCluster
 - RiemannTrack_0
 - RiemannTrack_1
 - RiemannTrack_2
 - RiemannTrack_3
 - RiemannTrack_4
 - RiemannTrack_5
 - RiemannTrack_6
 - RiemannTrack_7
 - RiemannTrack_8
 - RiemannTrack_9

Style Event

STEventManager [STEventManager]

Info

Input file : data/spirit_single.reco.root
Run Id : 1426775332
No. of events : 10

Event

Auto Update

Current Event : 6

Update

Riemann Tracklet

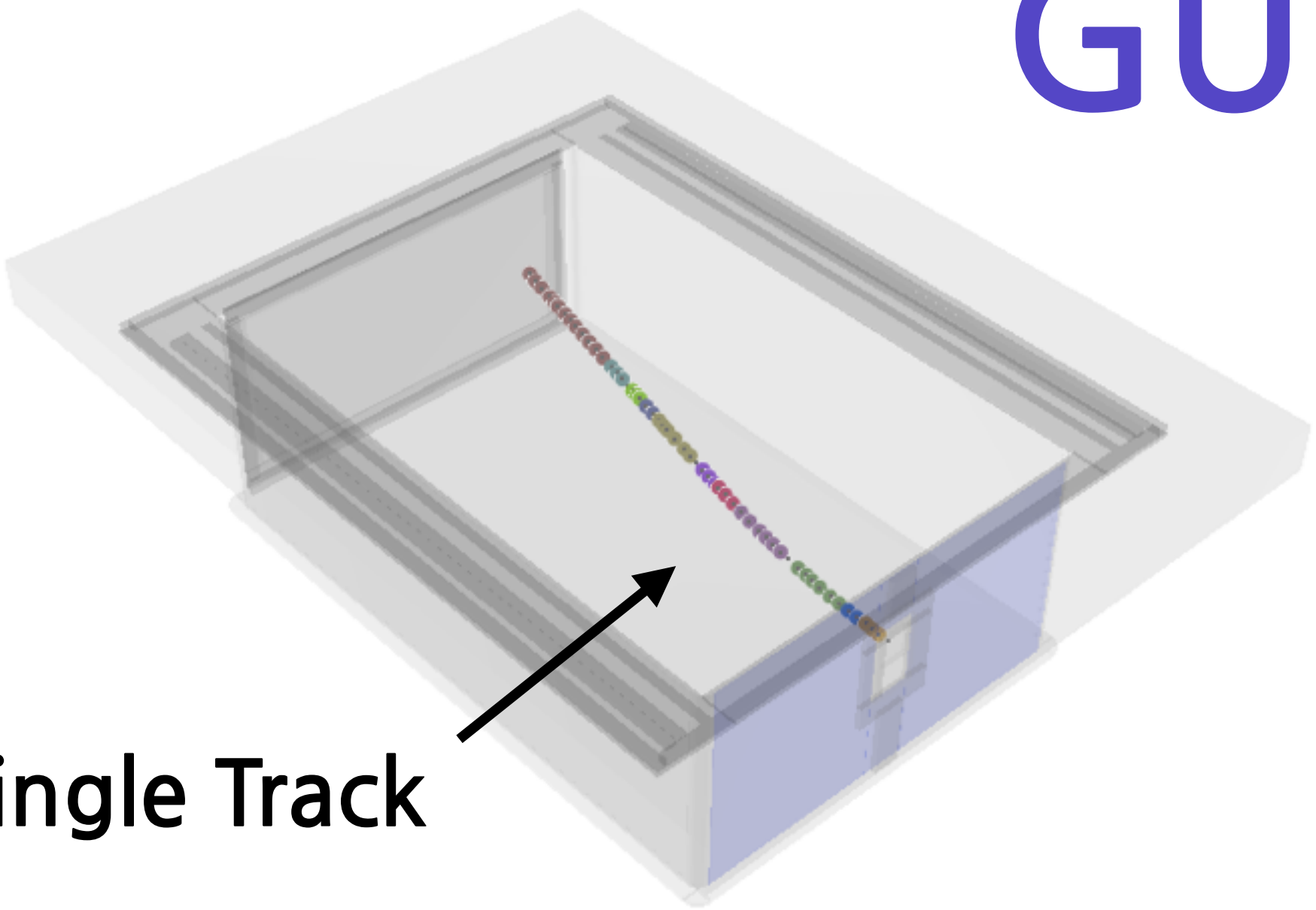
Select Tracklet : 0

Visualize All

Unvisualize All

Viewer 1 Overview

Hide Viewer 1 Actions



GUI

Single Track

Command

Command (local):

Summary

- Quality of clustered hits.
- Study on Merging parameter is needed.
- Root bug causing file crash!