

# SπRIT Status

2016/03/22 이정우

- **Run Plan**

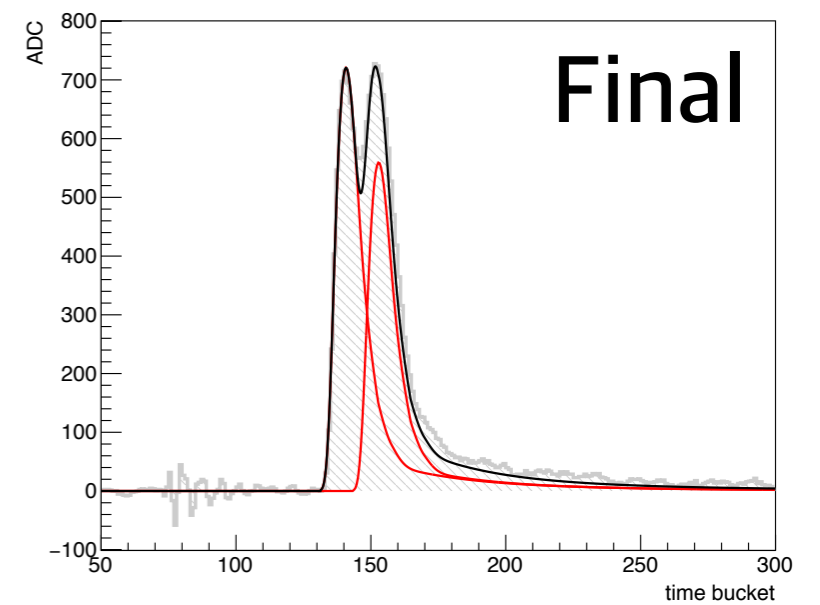
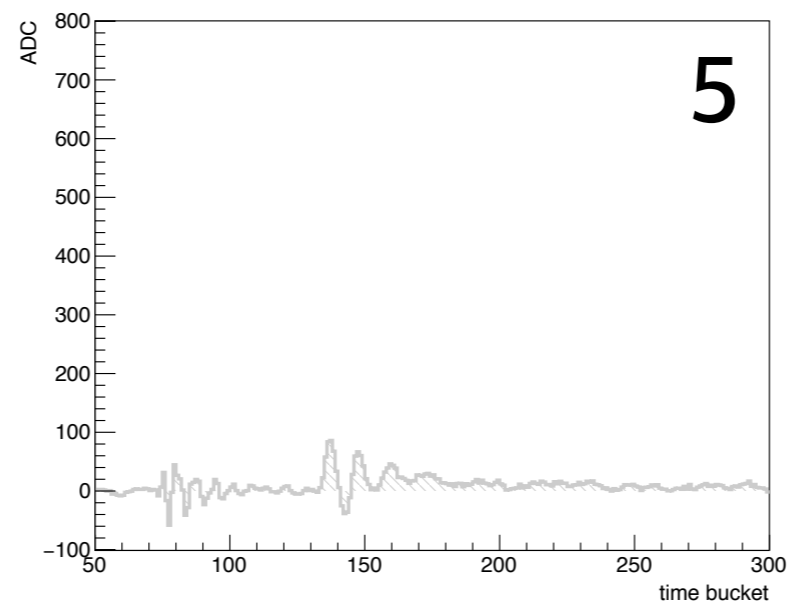
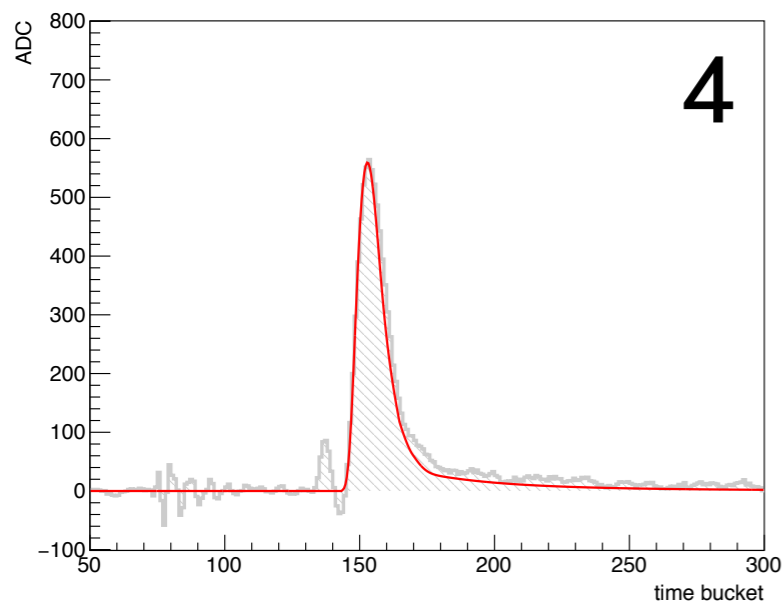
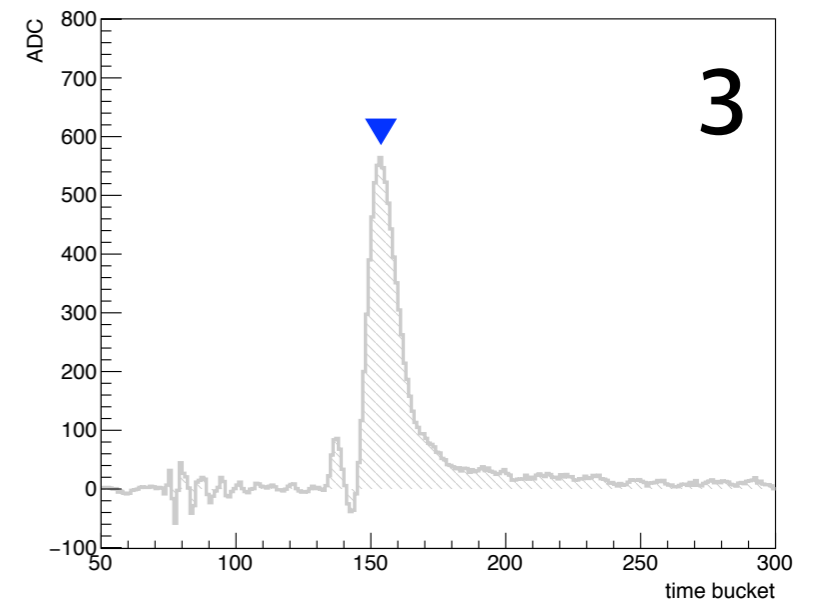
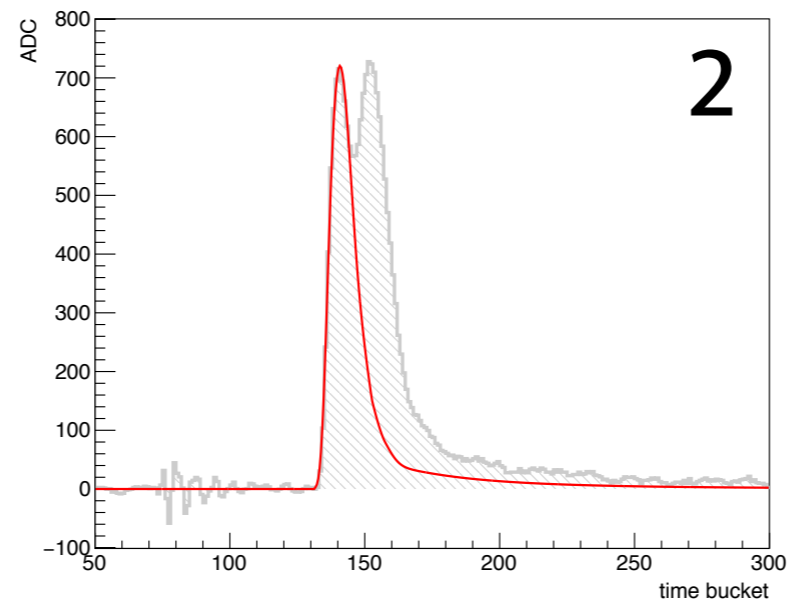
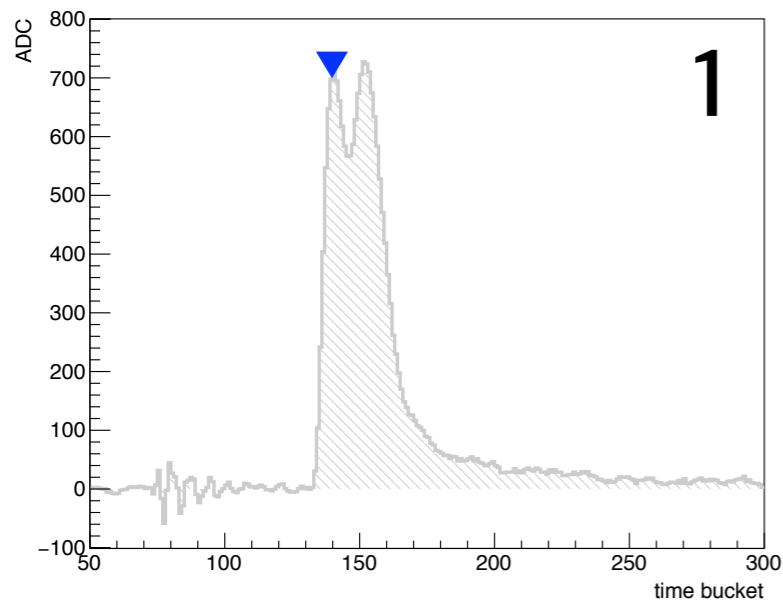
1.  $^{238}\text{U}(^{132}\text{Sn}, 300 \text{ AMeV})$  beam commissioning run : 4/7 ~ 4/9
2.  $^{124}\text{Xe}$  beam run : 4/30 ~ 5/6
3.  $^{238}\text{U}$  beam run : 5/20 ~ 5/2

- **Software**

1. Focused on improved **cluster quality** by pre-tracking.
2. Testing on shortening the pulse shaping time  
Commissioning Run.

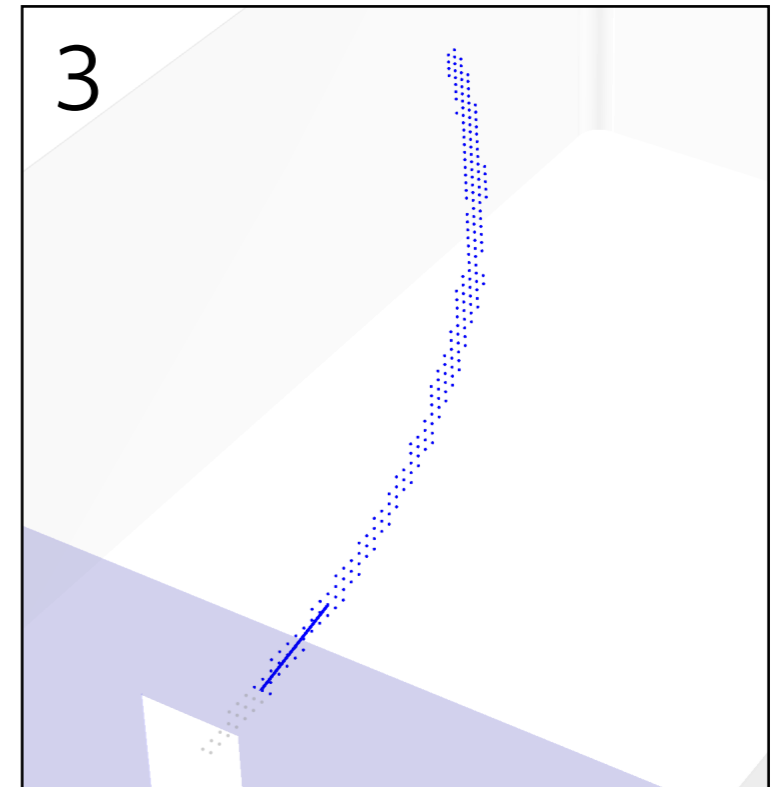
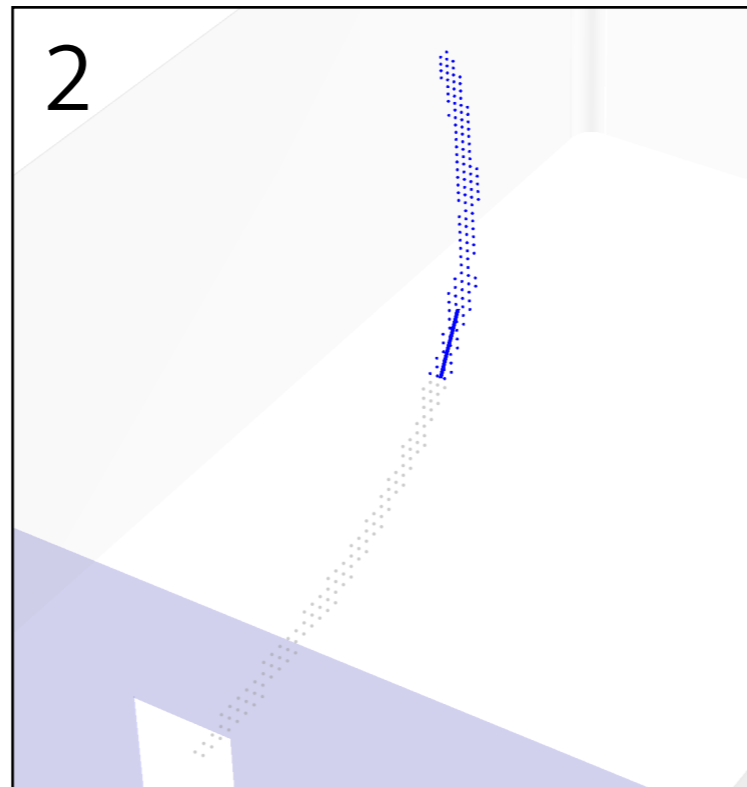
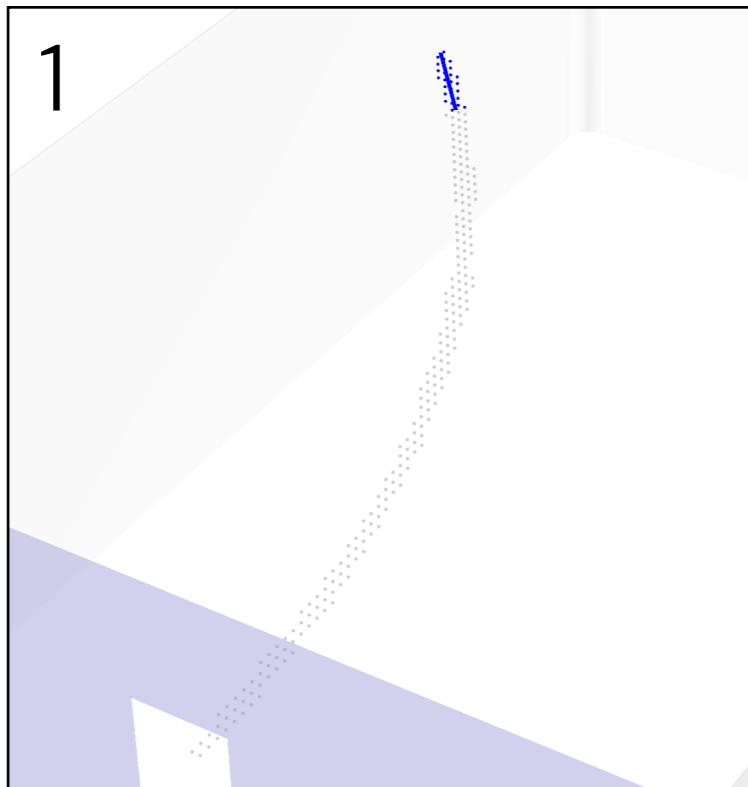
# New PSA-FastFit

\*Fit with reference pulse

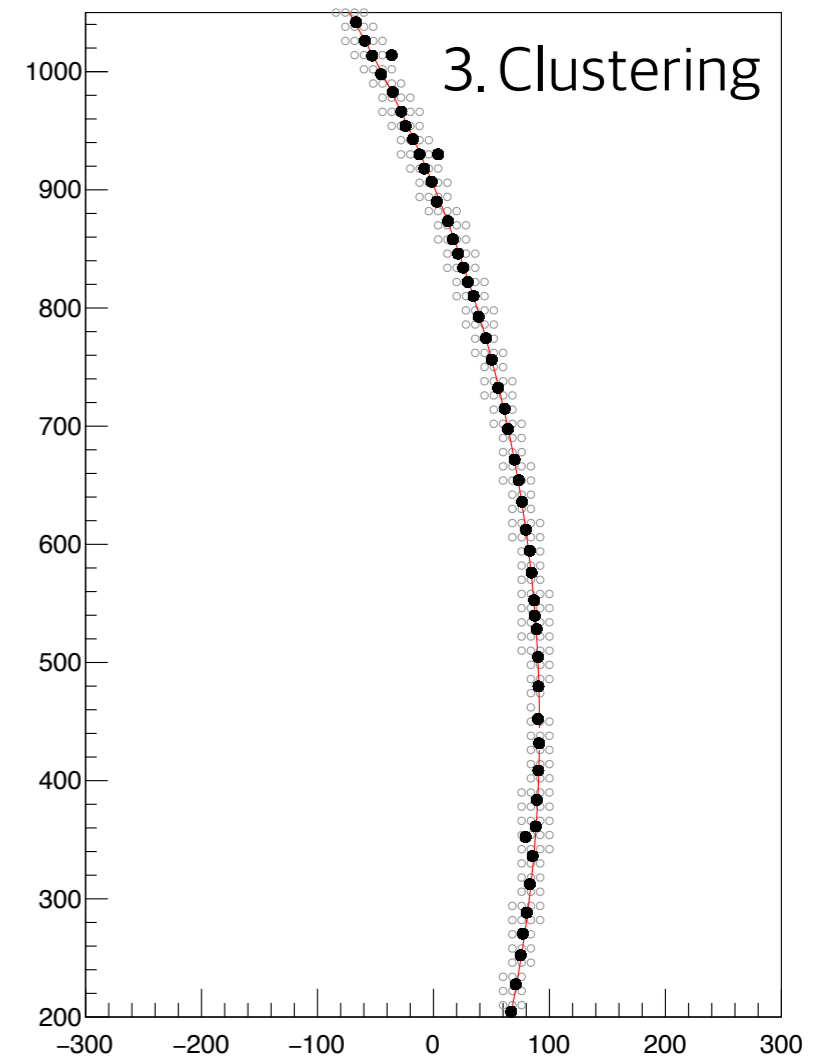
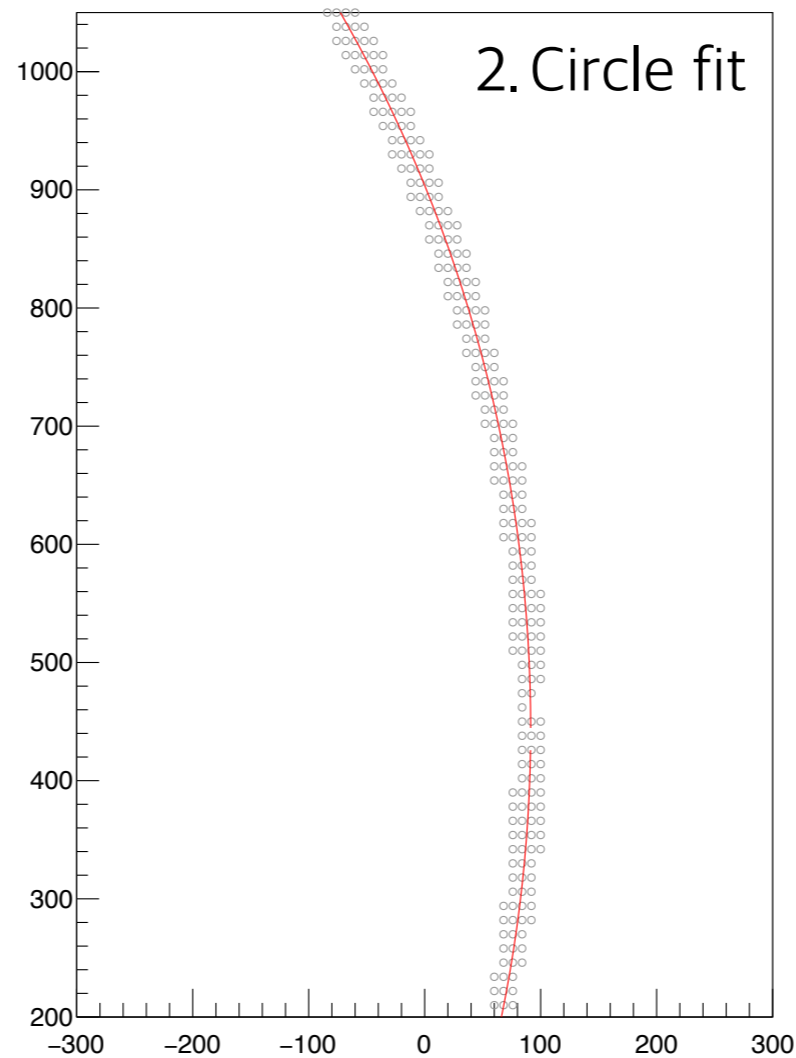
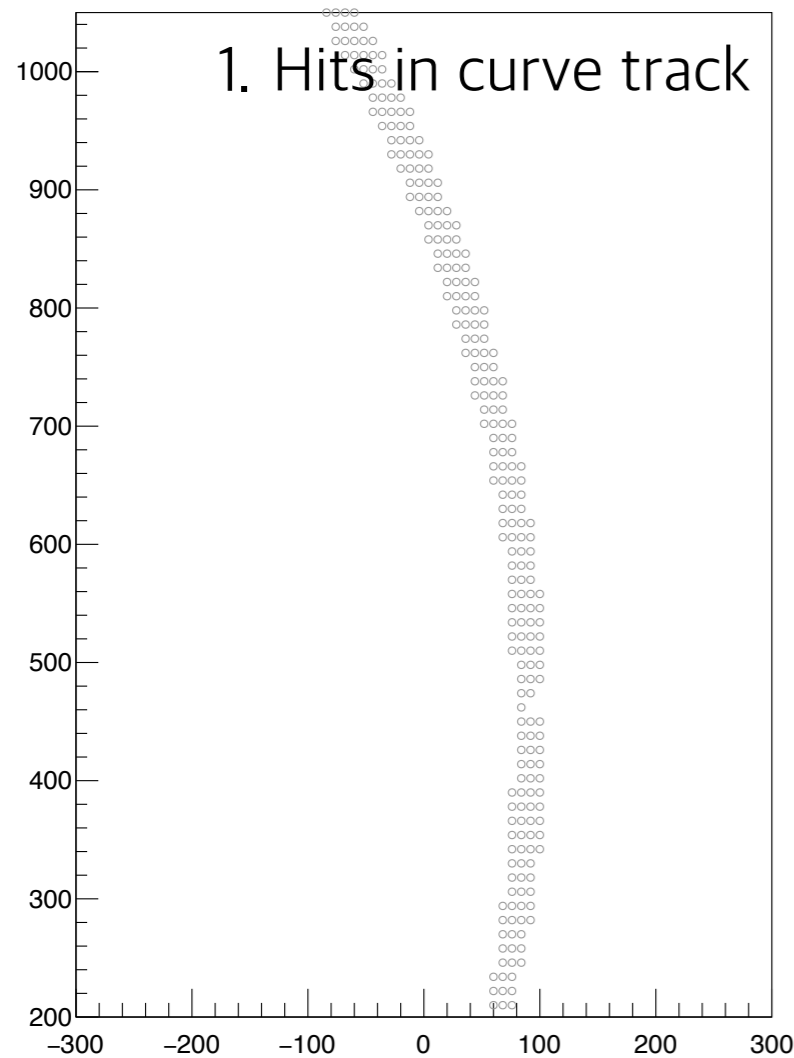


# Curve Tracking

- Purpose of Curve Tracking is to distinguish peices of the full track. We can cluster hits along the curve track.
- Follow the **Head** part line fit of the track.

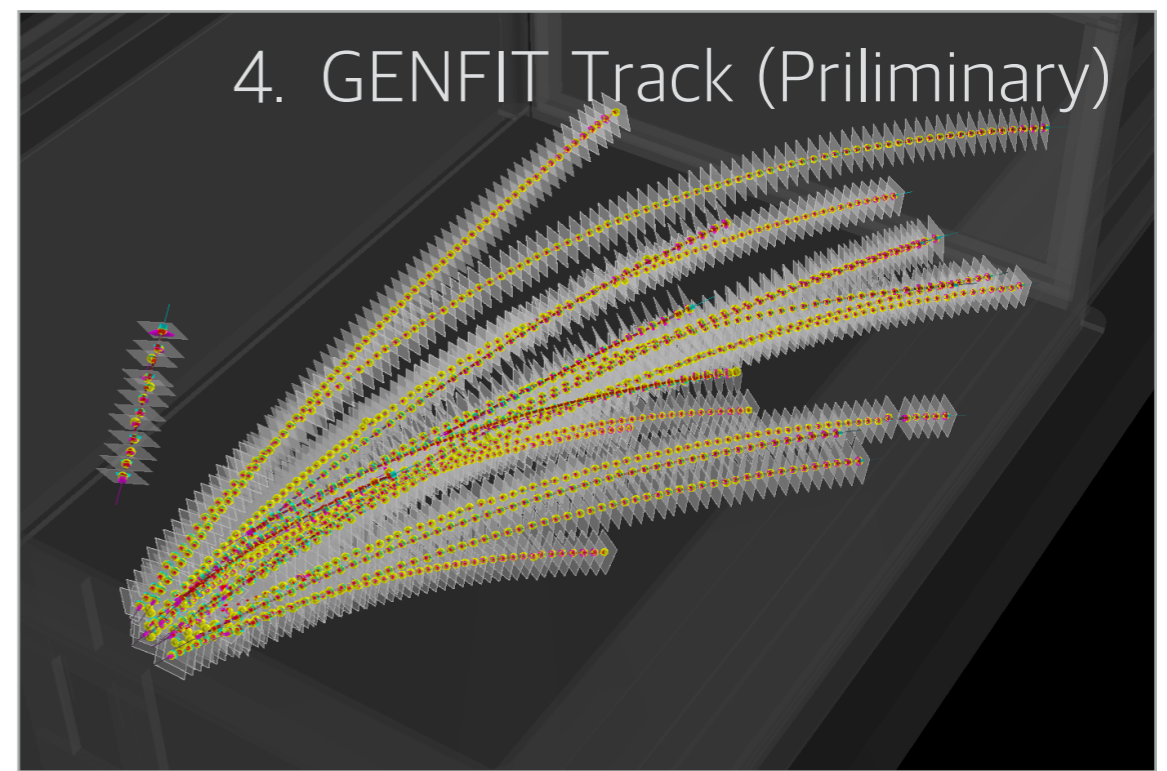
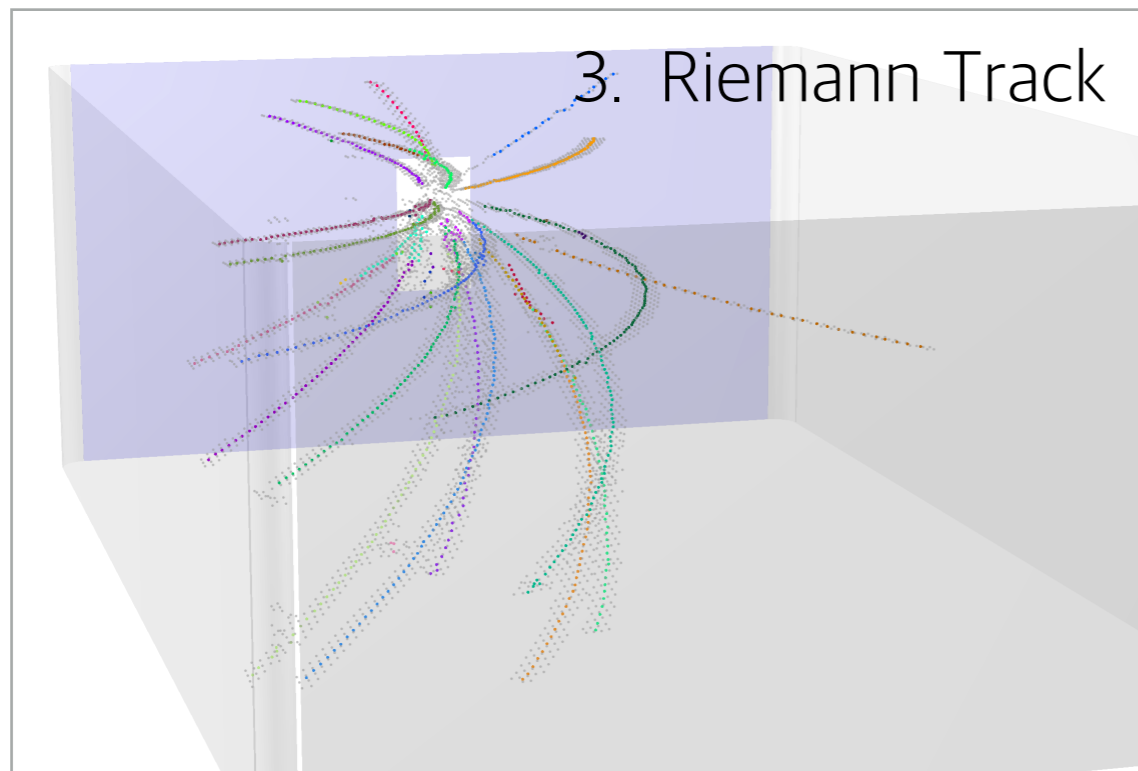
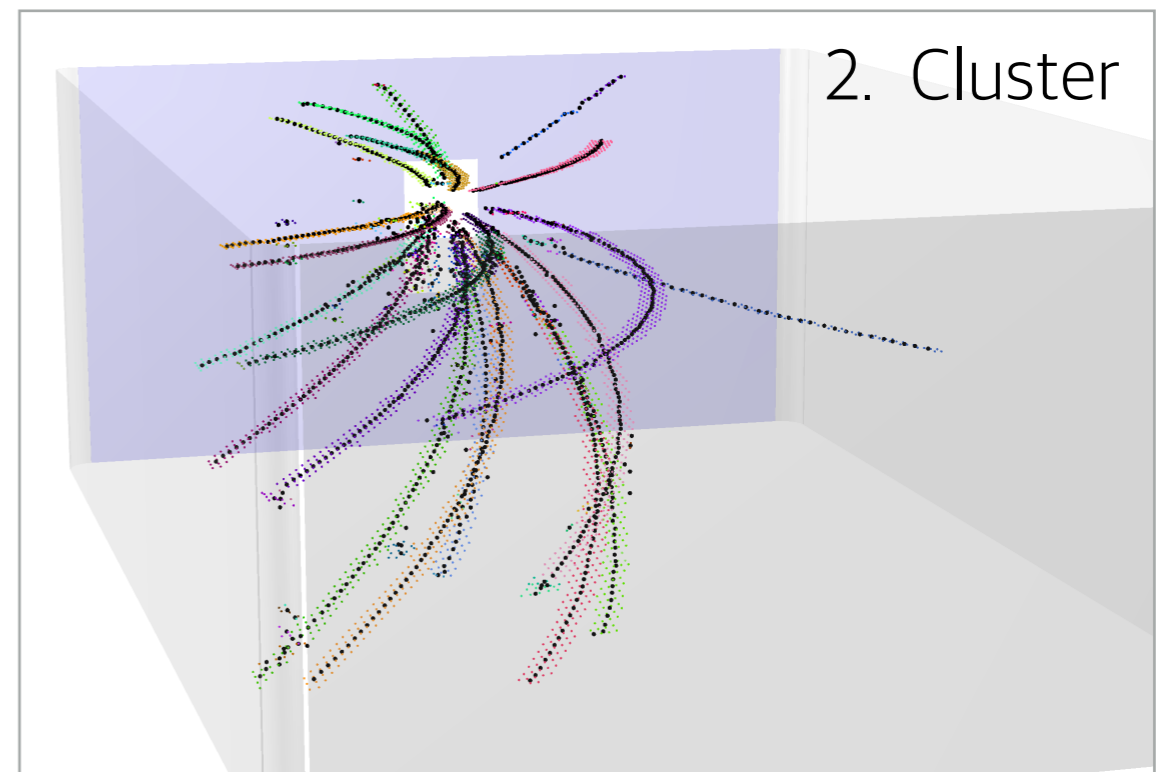
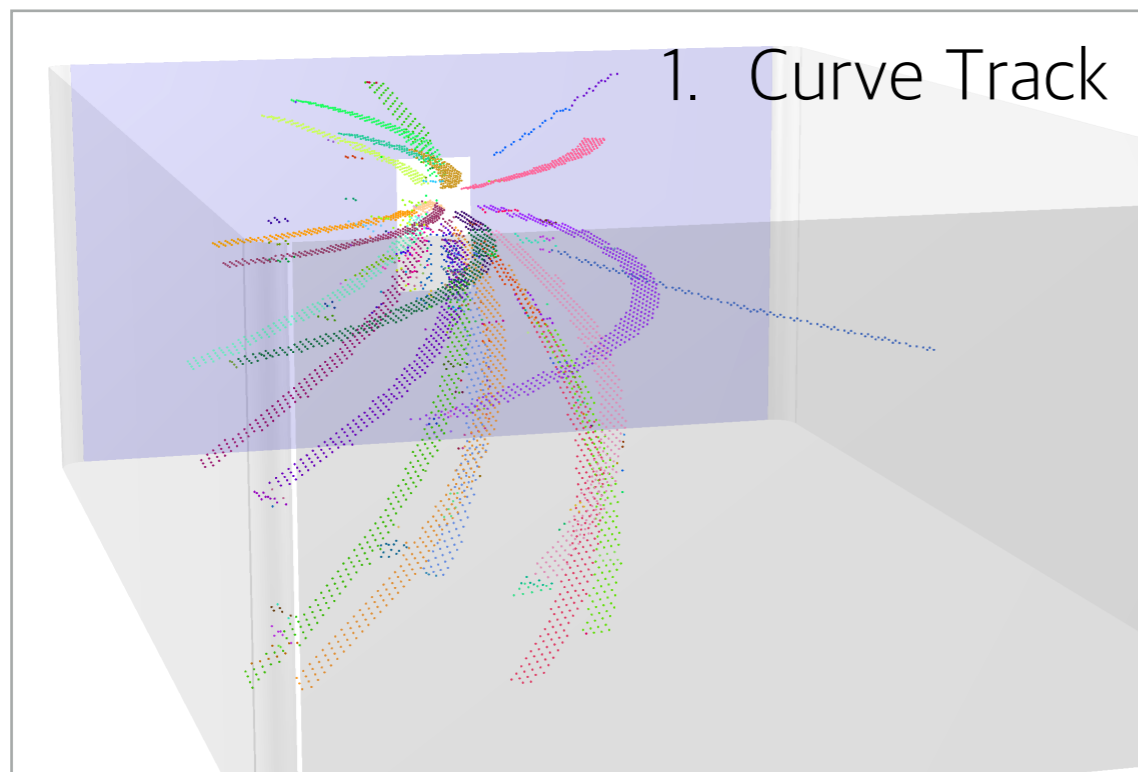


# Clustering



- Clusterize hits along the fitted circle.
- Distance between clusters  $> 12$  mm (one pad layer length)

# MC example (proton event)



Momentum/Q (by Riemann fit) of cosmons with 0.5 Tesla (Feb, 2016)

