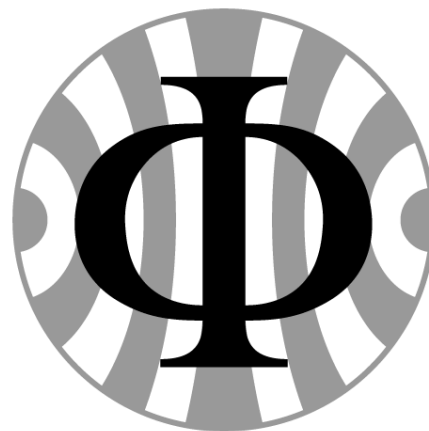
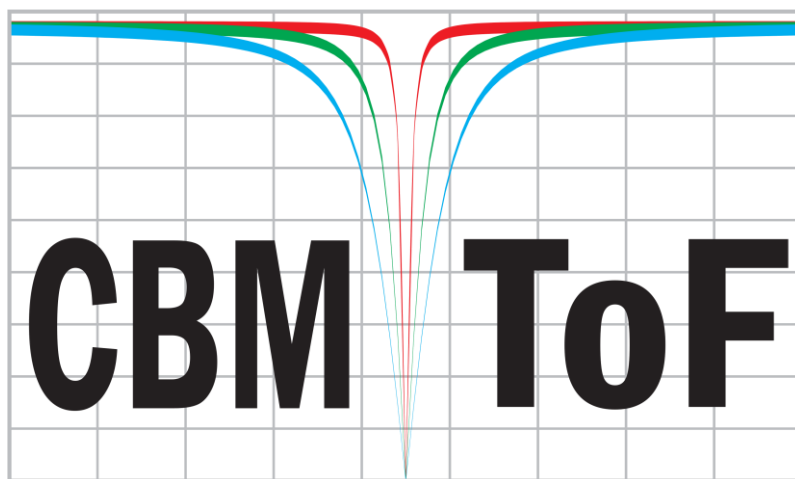
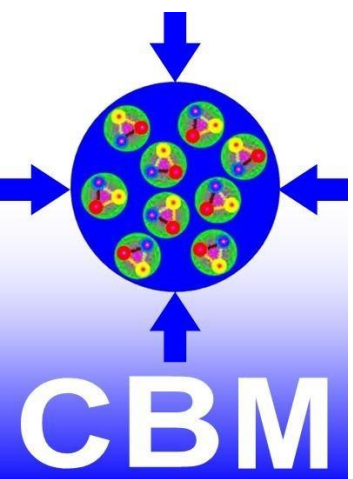




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# Event Display for CBM-ToF

STAR-CBM JOINT MEETING @ PI

Jonathan Brandt  
Physikalisches Institut Universität Heidelberg  
29.09.2018

# Outline

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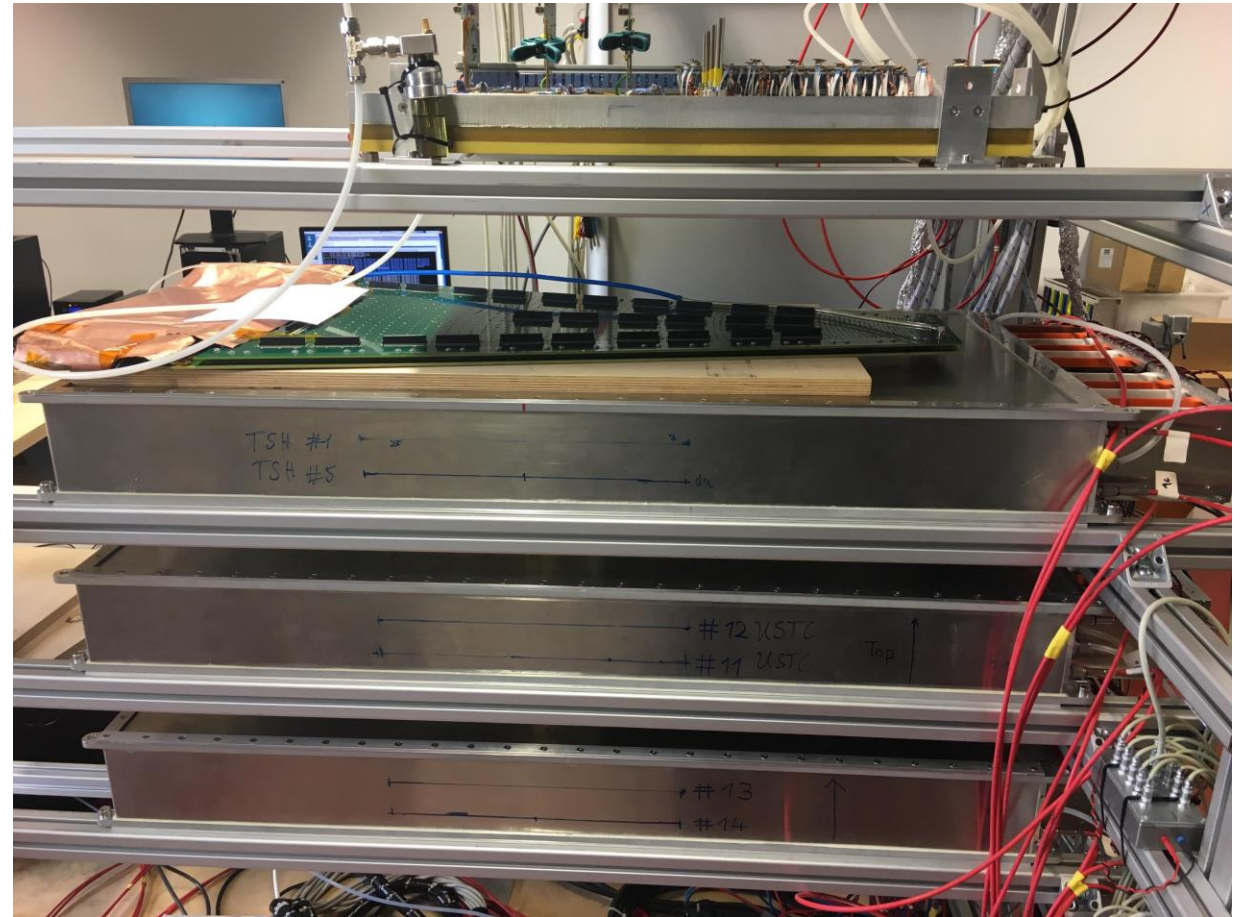
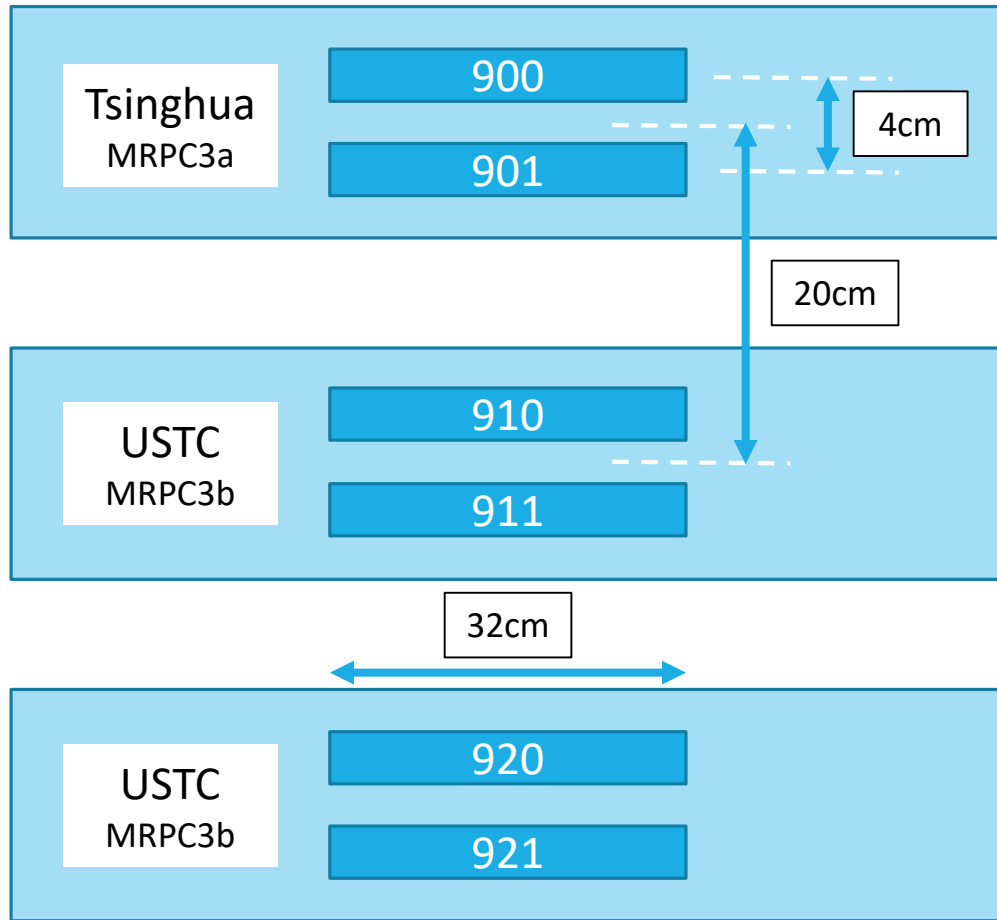
Cosmic test stand

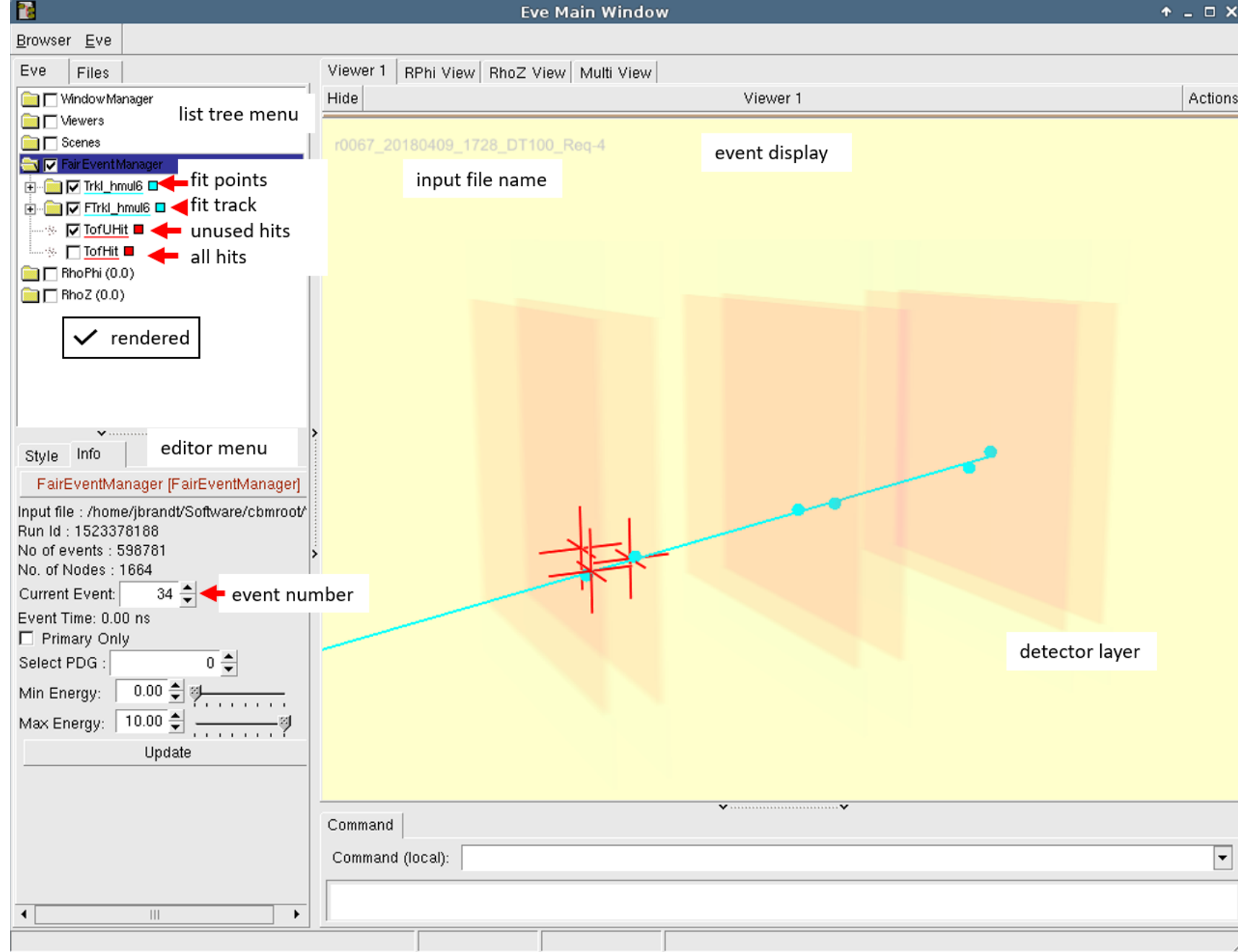
Event Display functionality

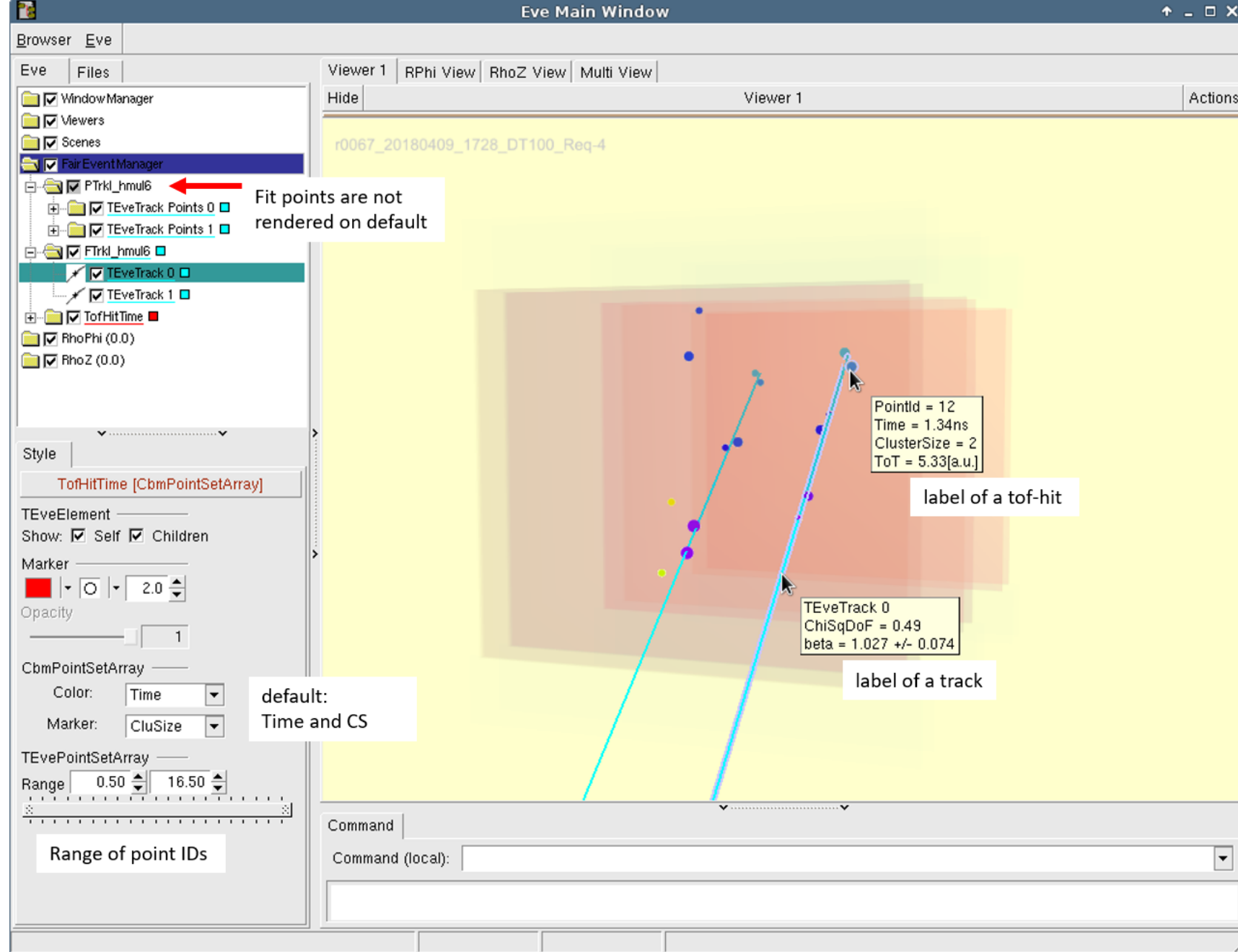
Applications

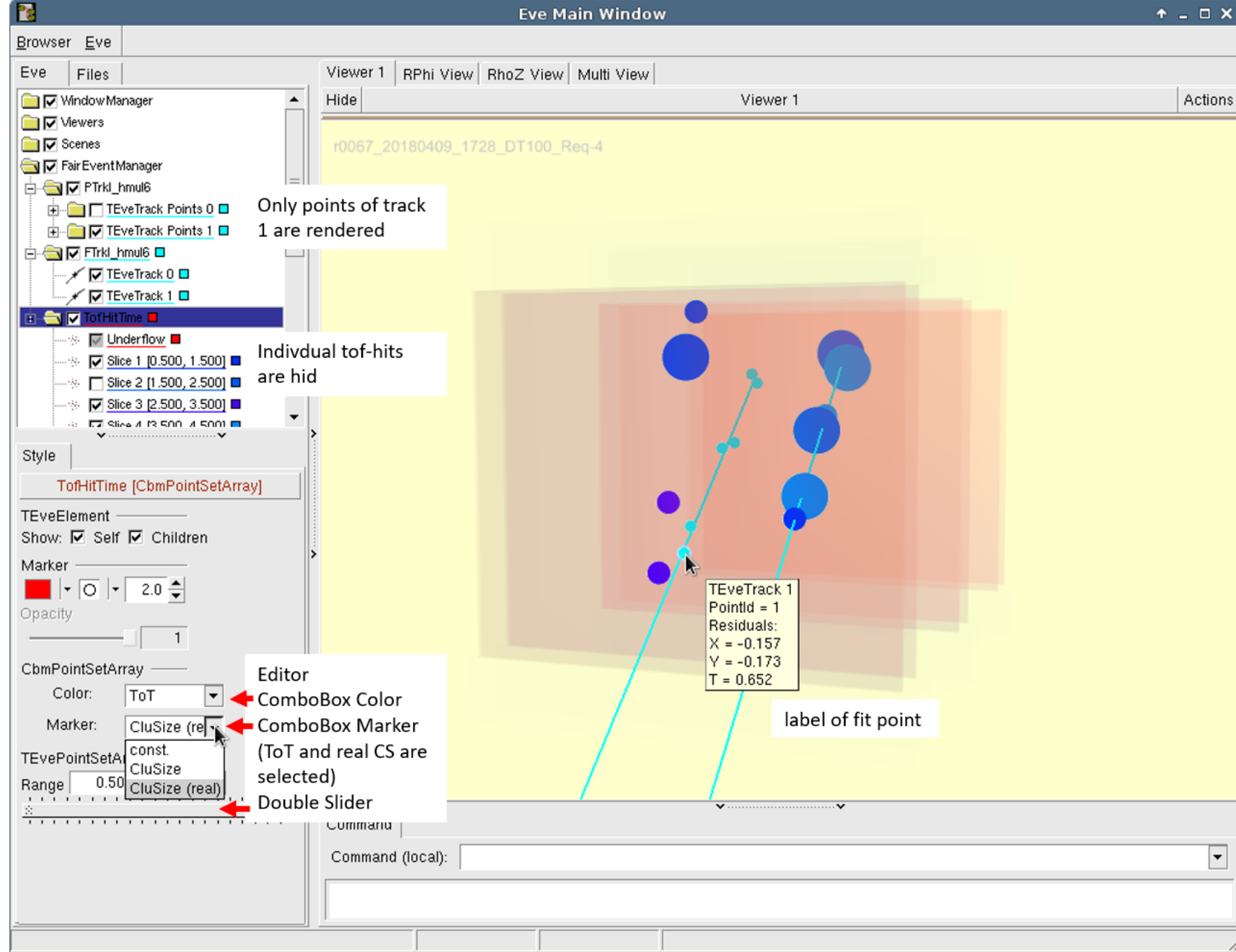
- Late Hits
- Tracks from below

# (former) Cosmic test stand in Heidelberg





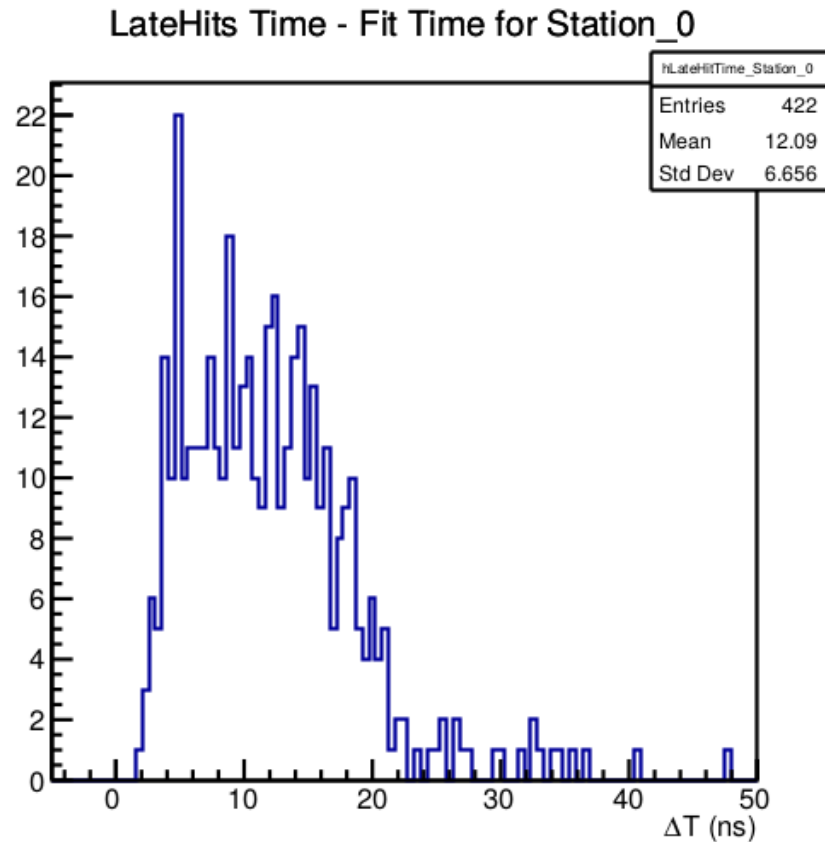




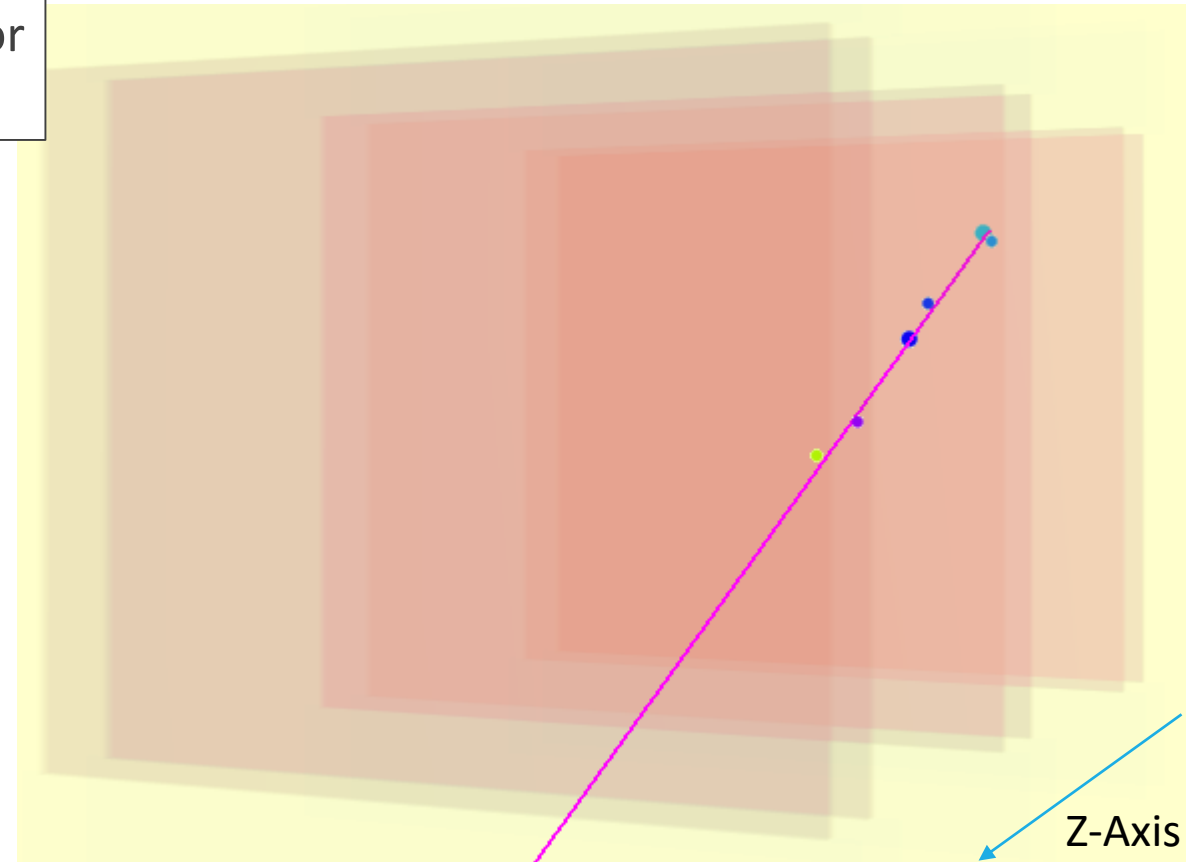
# Late Hits

Track with hMul5; Hit in missed Layer within X- & Y-acceptance

About 1% of Events contain a late Hit

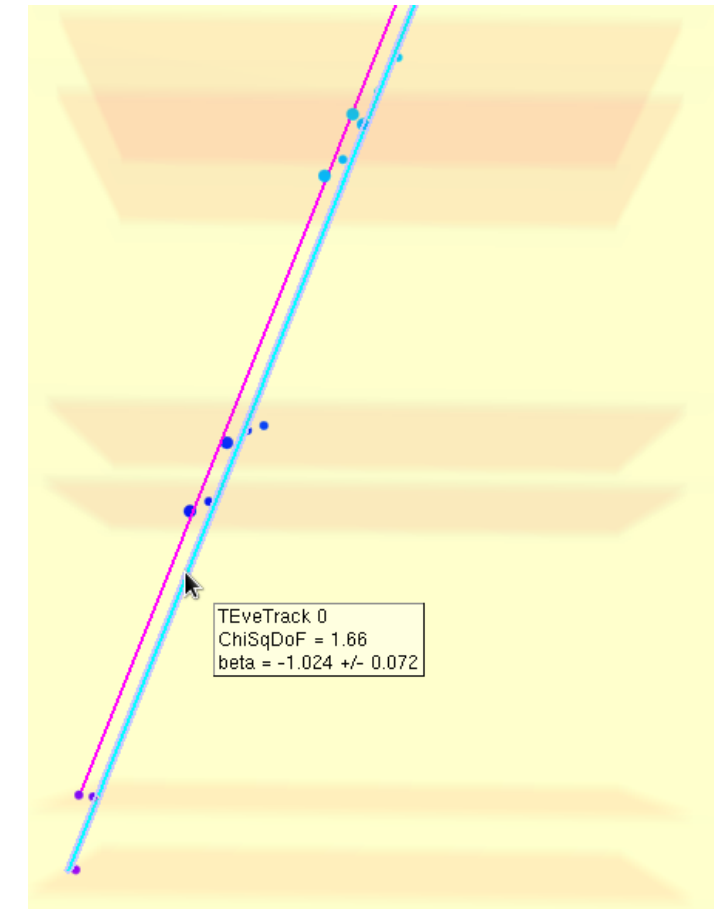
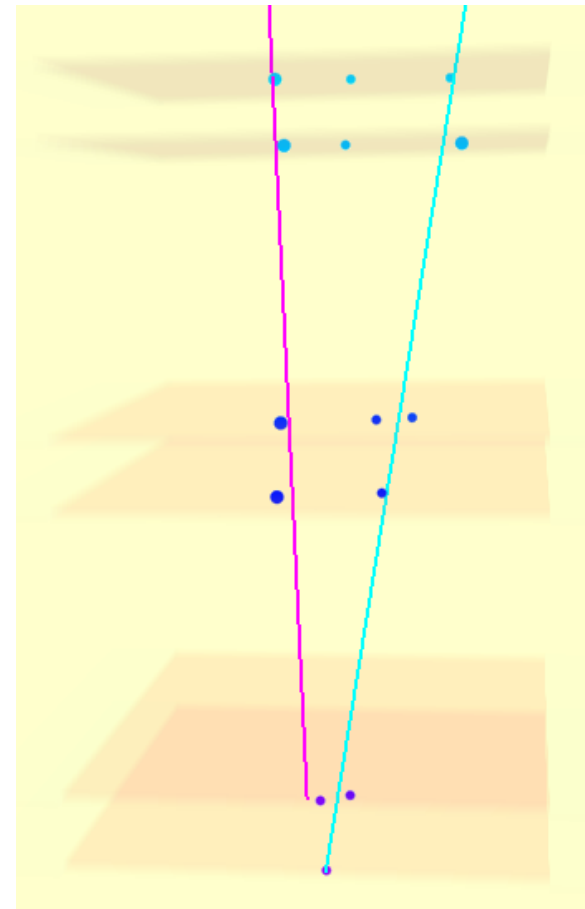
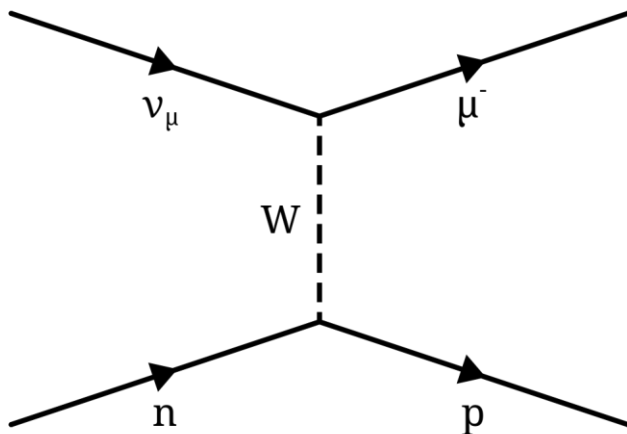


Detector  
900



# Tracks from below

$$\frac{20}{170,000} \approx 0.06\% \text{ (hMul 6)}$$



# Summary

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## Functionality

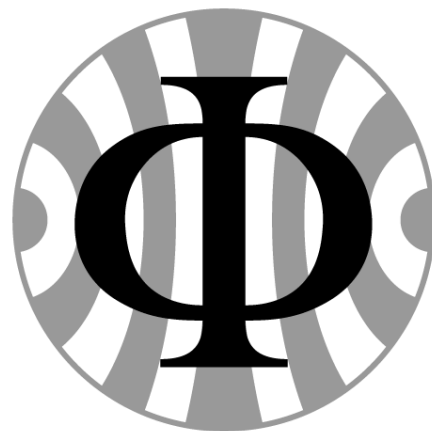
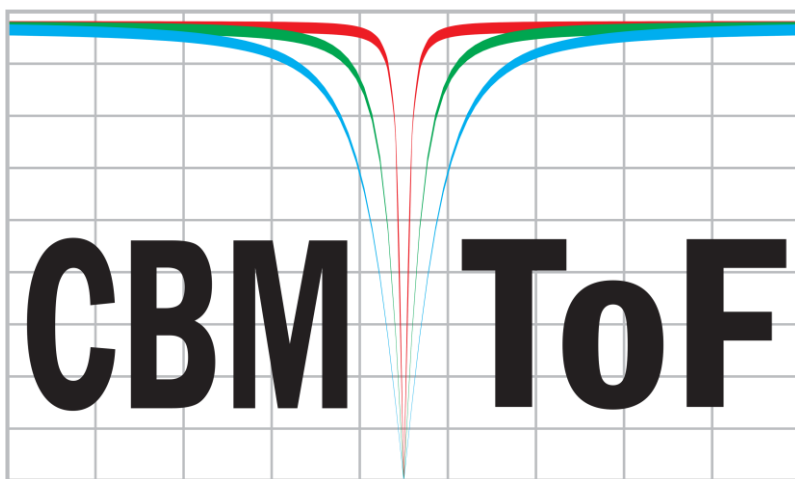
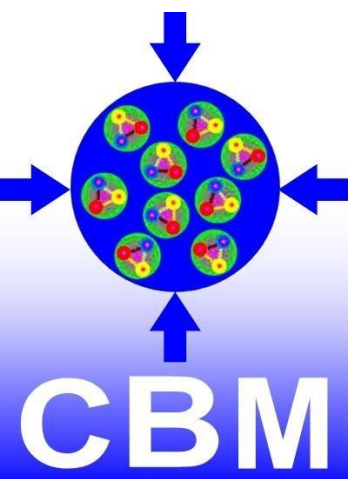
- CbmTofHit: Time, ToT, Clustersize
- Label with Information

## Applications

- Define interesting Event
- Debugging, Detector/Readout Response

## Event Display code

- New functionality not yet in repository
- Can be used for every test stand



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# Thank you for your Attention

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