VXD Alignment: Copy and paste RecoTrack

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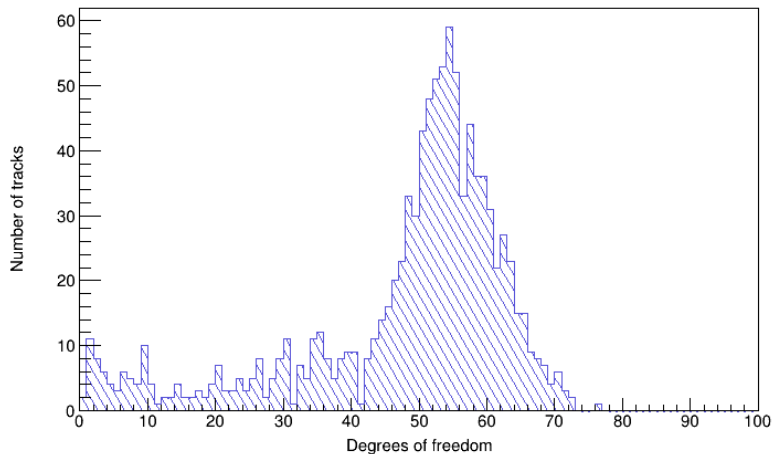Tadeas Bilka (bilka@ipnp.troja.mff.cuni.cz)

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RecoTracks before coping

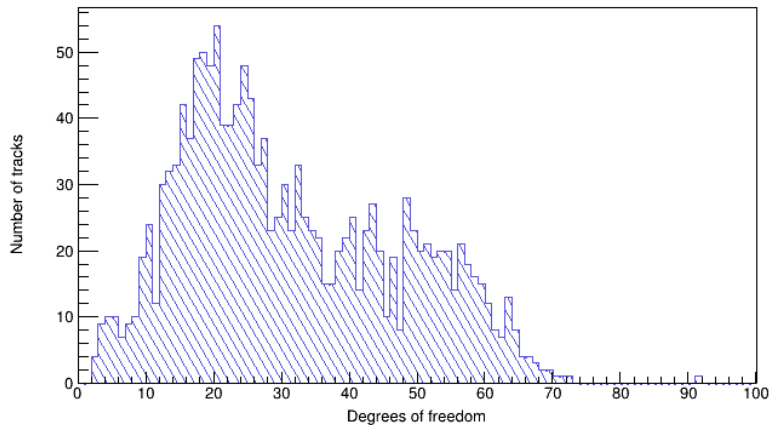# Copy and paste RecoTrack per hits

CosmicRecoTracks

- We copy all CDC hits from RecoTracks to CosmicRecoTracks
- We copy all initial information of RecoTrack:
  - Position seed
  - Momenta seed
  - Time seed
  - Charge seed
- Sorting numbers are same for CDC hits

Fitting of CosmicRecoTracks

- Similar way as in standard software for cosmic tracks

CosmicRecoTracks before coping

Summary

Why?

- Cosmic track has two parts.
- Each of them has associated KLM hits and ECL showers.
- Final cosmic track should store both information.
- It is not done yet.
- It is necessary for judge a good (real) cosmic track

Difference between MC and data

- There are some differences in RecoTrack between data and MC?
- Do you know, what I can check?