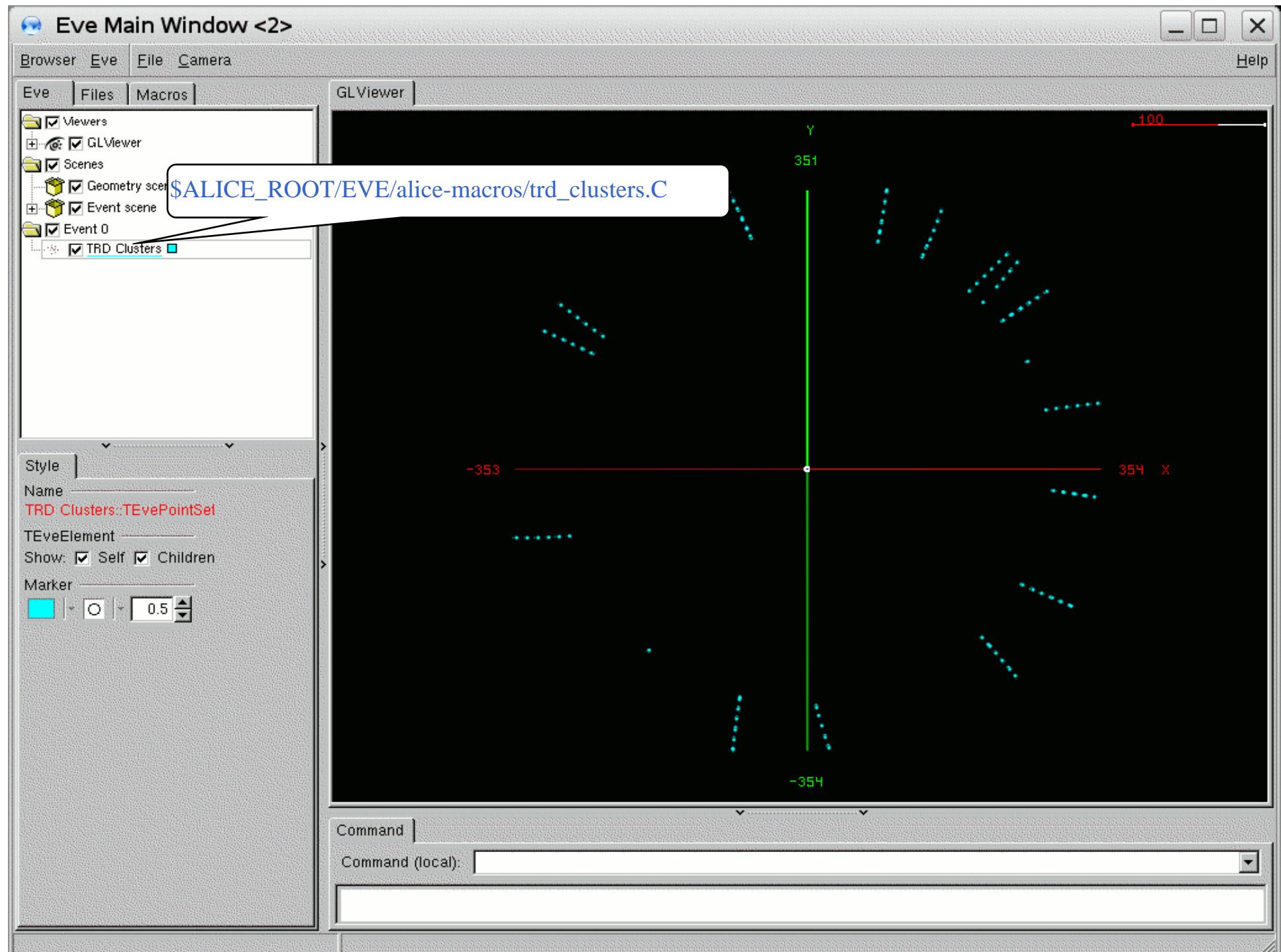


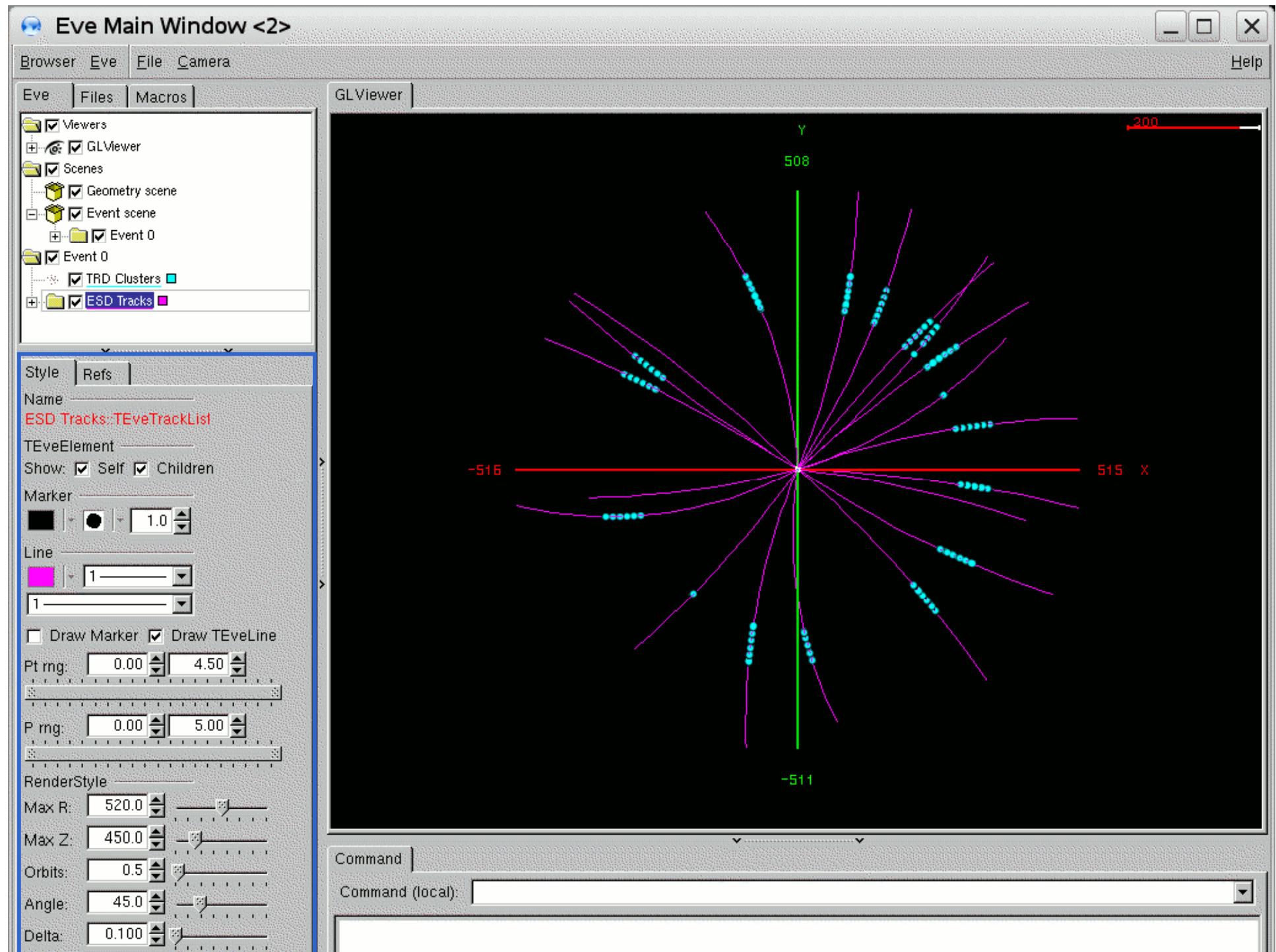
# TRD Visualization Status

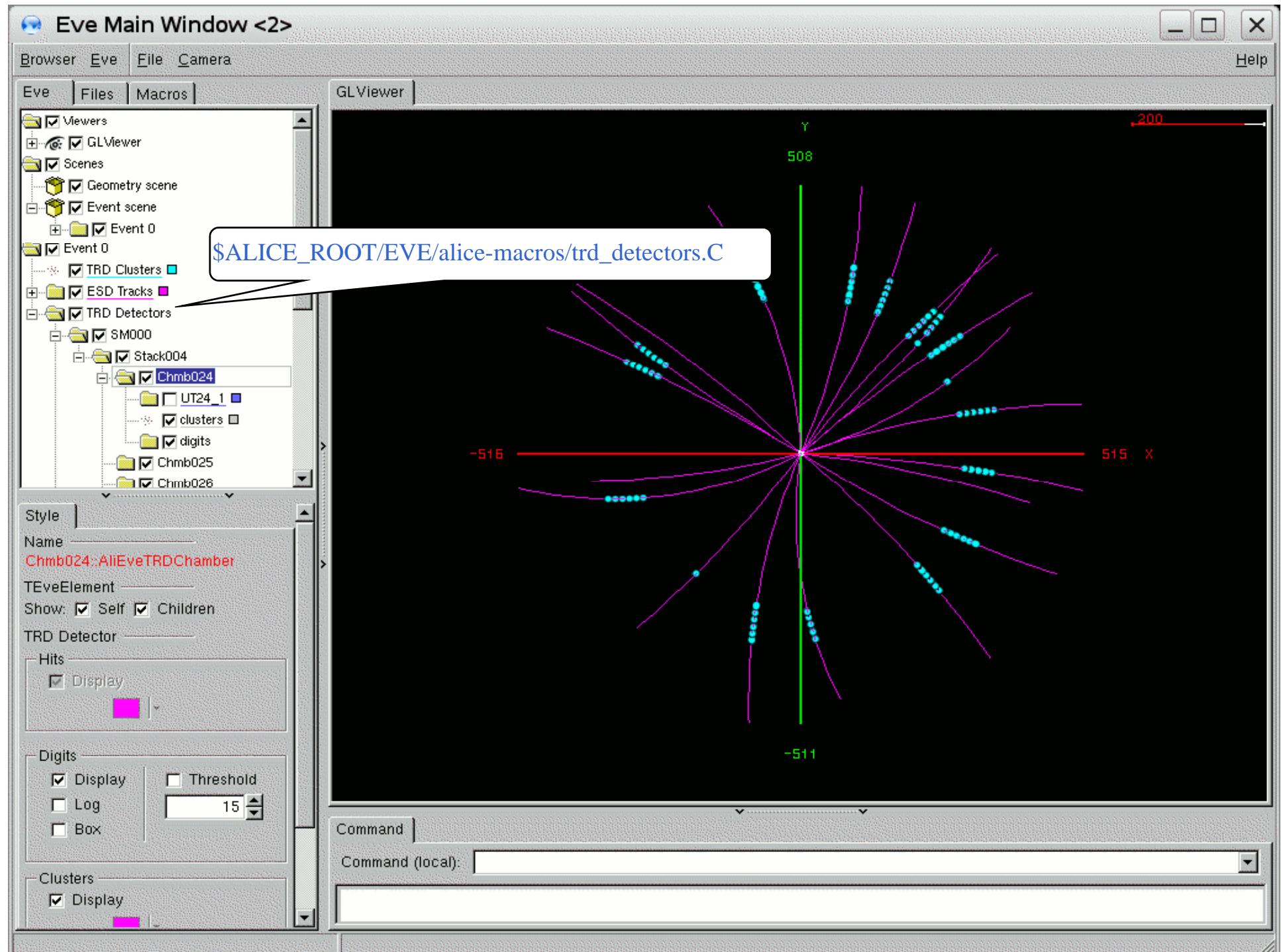
*Alex Bercuci*

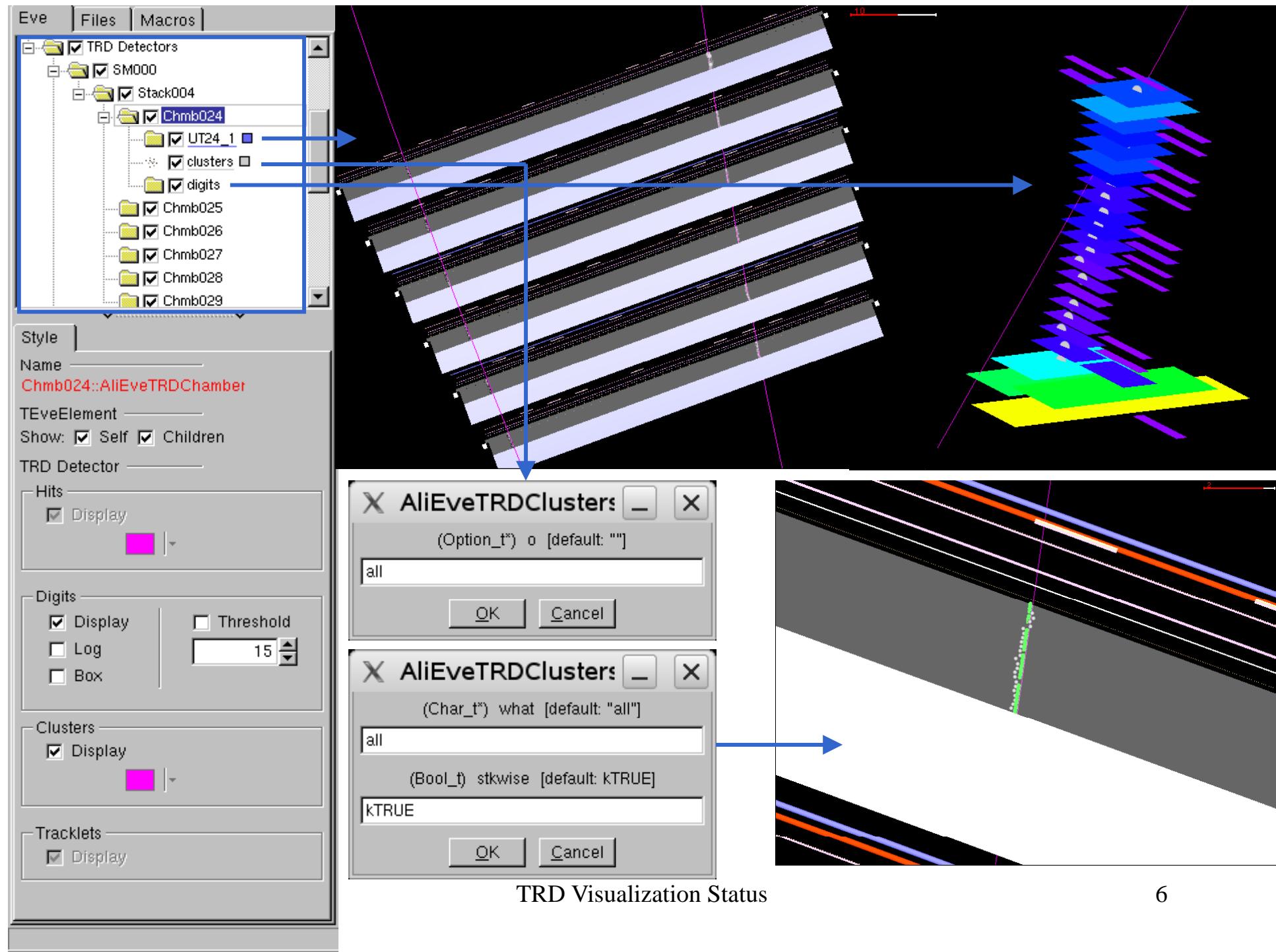
# Overview

- The evolution of TRD visualization
- Present status
- What can be done further
  - from *detector* to *barrel visualization*

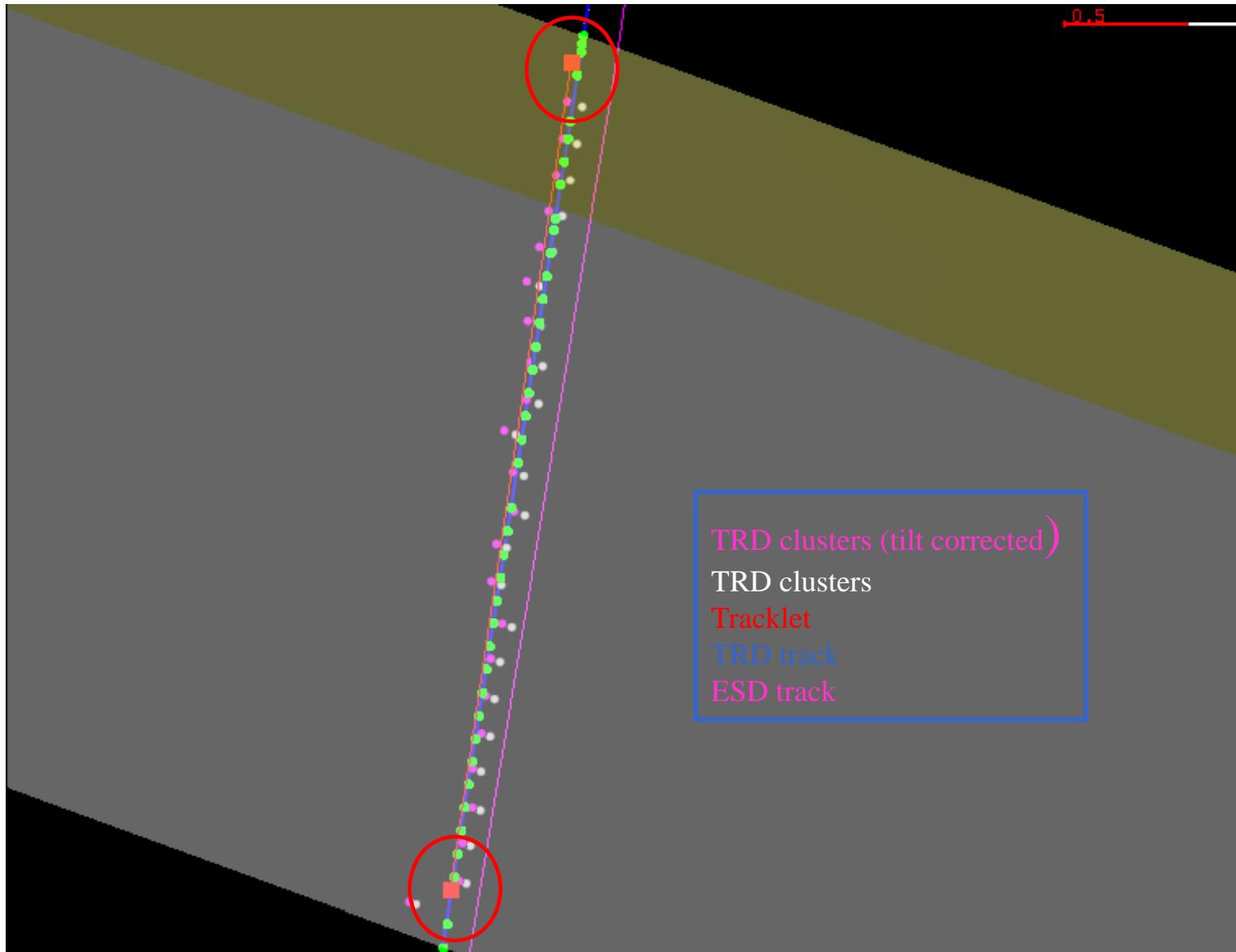








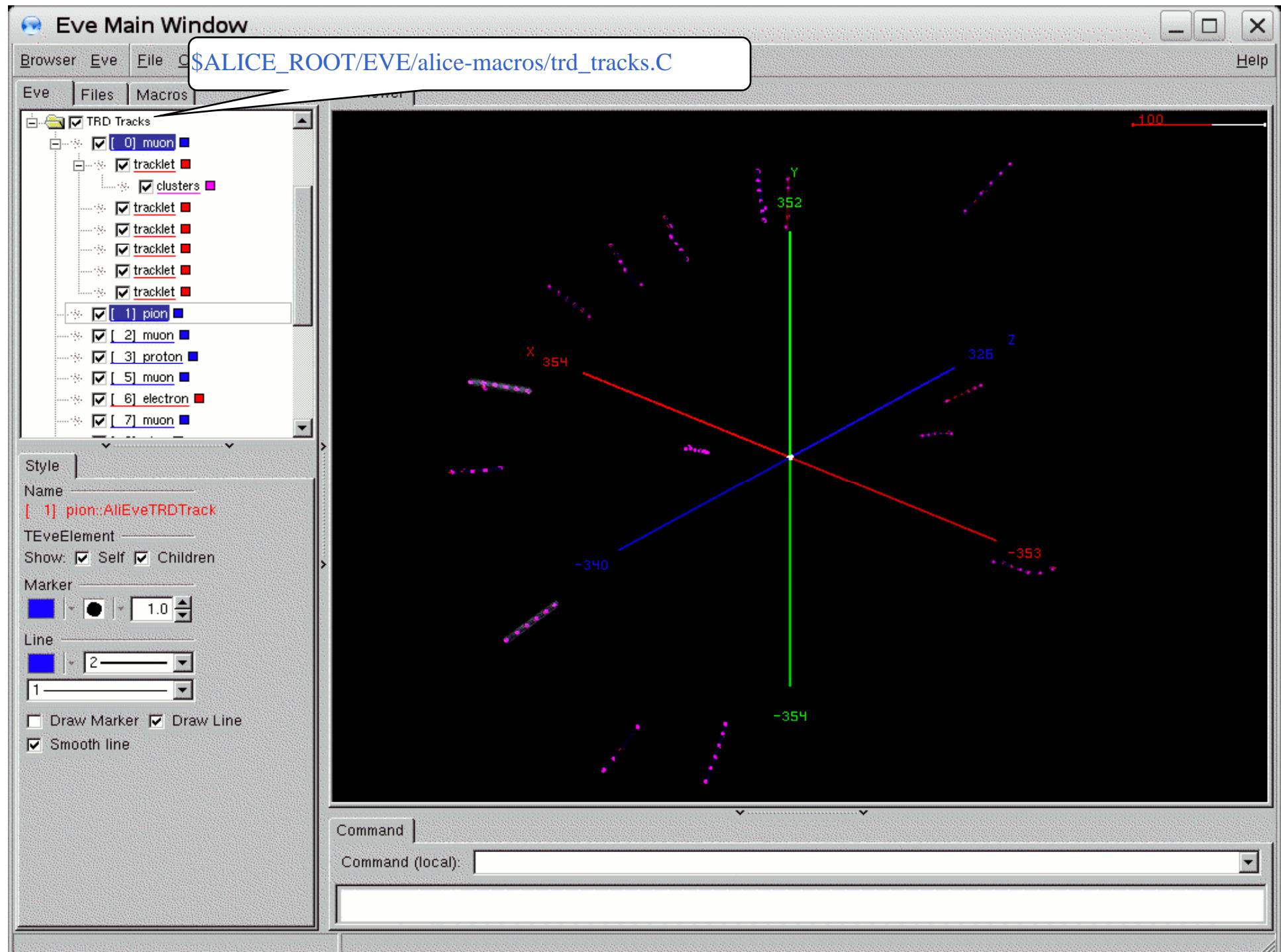
# Track visualization

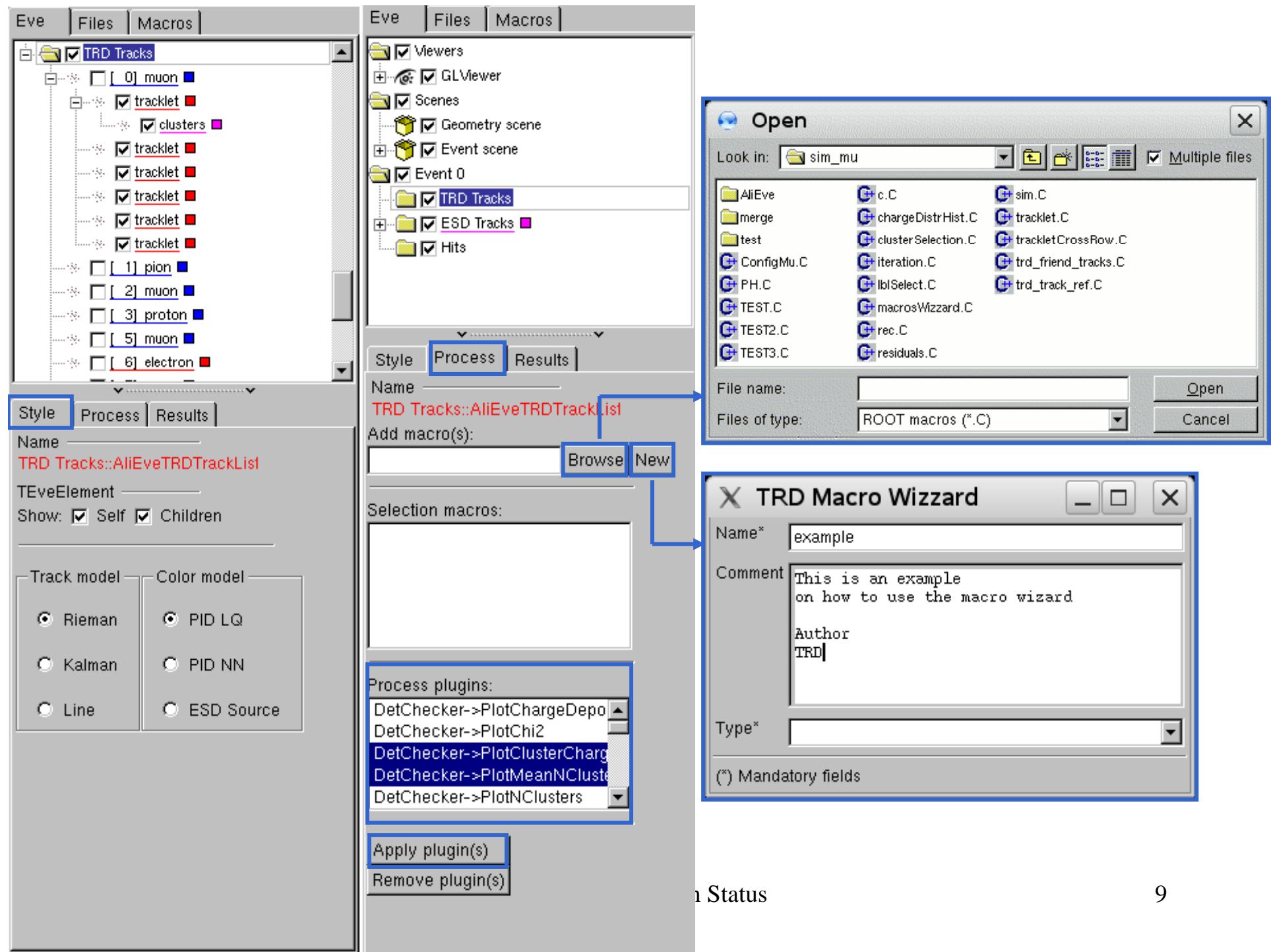


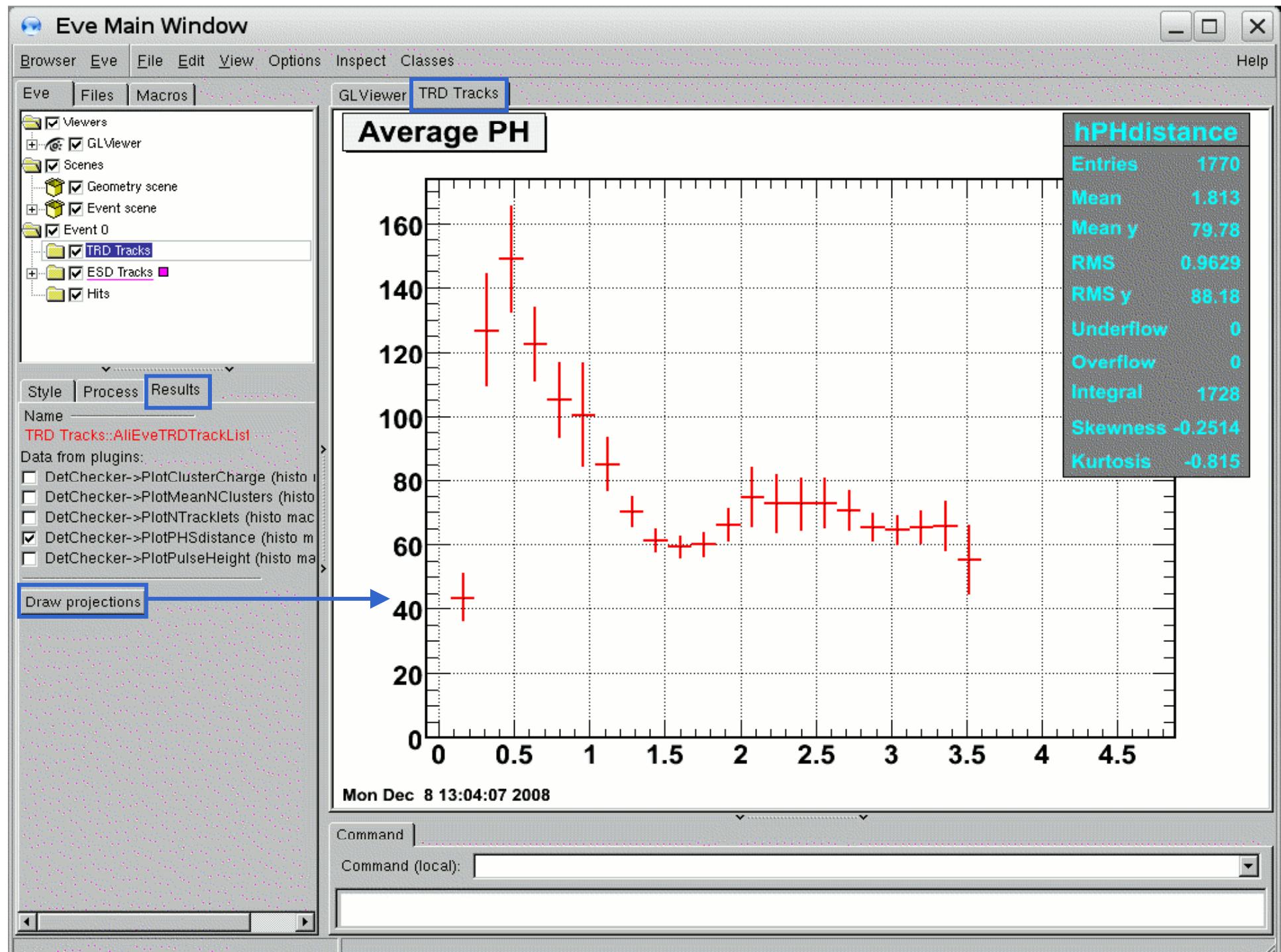
10-Dec-08

TRD Visualization Status

7







# TRD visualization status

- TRD data with AliEve wrappers
    - MC hits
    - Digits, raw digits
    - Clusters
    - Tracklets
    - Tracks
  - Steering TRD visualization
    - individual macros (`$ALICE_ROOT/EVE/alice-macros/trd_*`)
    - online reconstruction (“alieve rec.C”)
      - detectors, tracks
- To Do**
- Track references*
- Online tracklets*
- raw digits*

# Further developments from *detector* to *barrel* and *beyond* (*my wishes*)

*The visualization framework provides all tools for easy integration of any visualization task (thanks Matevz)*

- *Integrated pointer to data*
- *Interaction with CINT*
- *Container based organization (TEveElement)*

## Reconstruction

- factorization of algorithms
  - track models, PID algorithms(\*)
  - AliTRDtrackerV1::FitMethod()
  - AliTRDseedV1::Fit()
- data structures
  - [AliESDfriendTrack](#), [AliKalmanTrack](#)
  - AliTRDtrackV1
    - AliTRDseedV1
    - AliTRDcluster

## AliEve/Root

- “for\_each” algorithms @
  - TEveElement
  - TCollection
- method wrappers
  - TMethod(Call)
  - T(Eve)Macro

AliEve is *easy*

Bremsstrahlung in the barrel

