

Reconstruction Status

v4-16-Release

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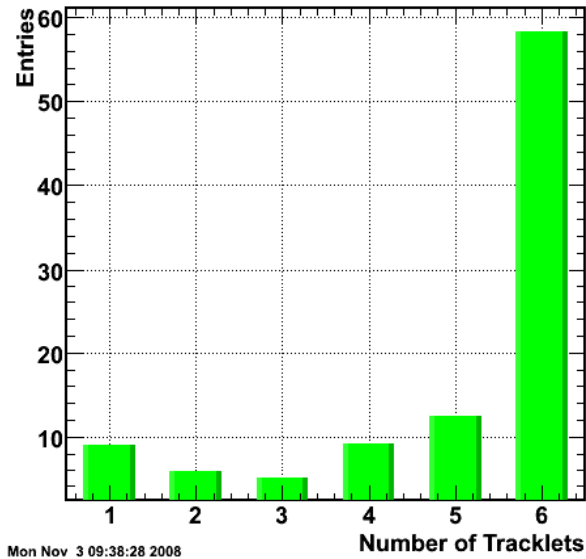
GSI 4th Nov 2008

Overview

- Standard plots for the Release
- Above and Beyond the Release – Crossing pad row tracklets
- Miscellaneous

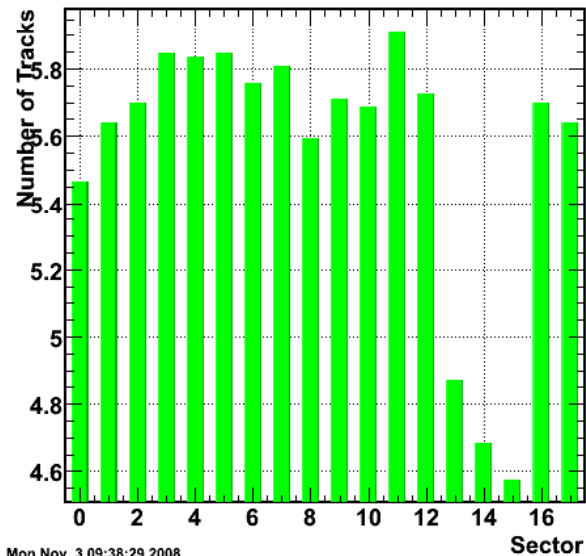
Release – basic checks

Nr. tracklets per track



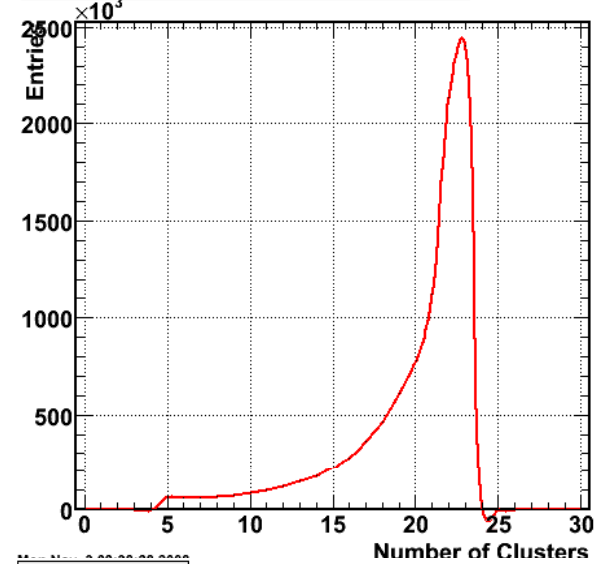
Mon Nov 3 09:38:28 2008

Track Counts in Supermodule

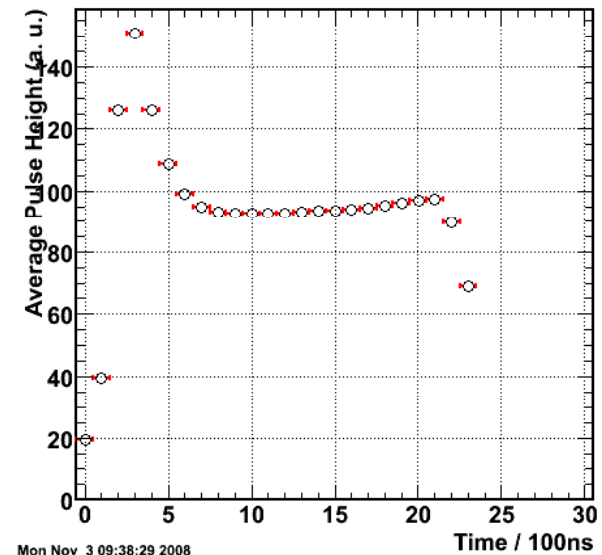


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Mean Number of clusters per tracklet



Average PH



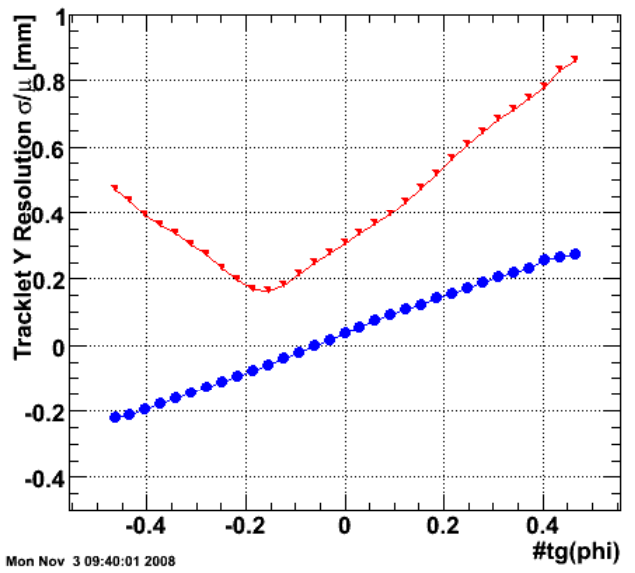
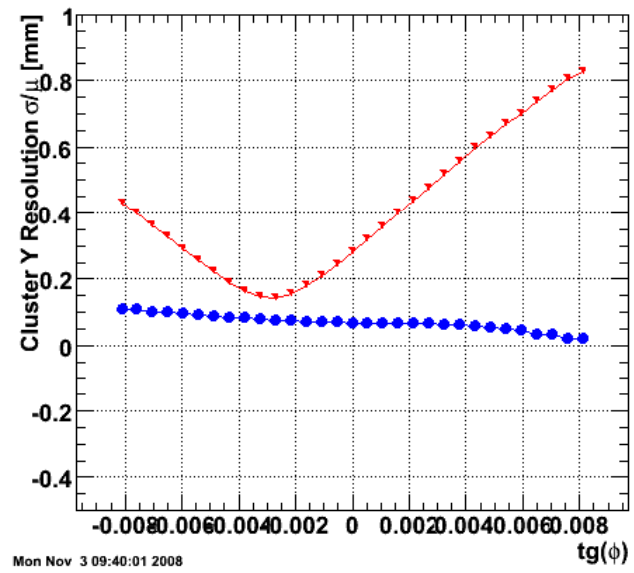
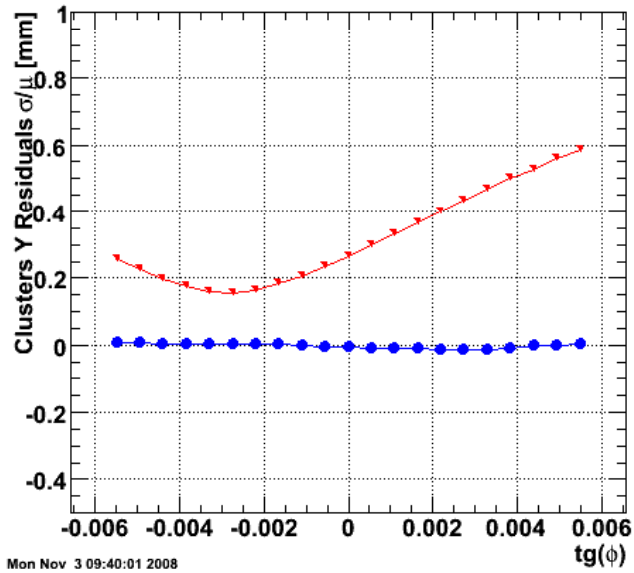
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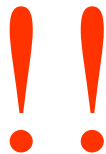
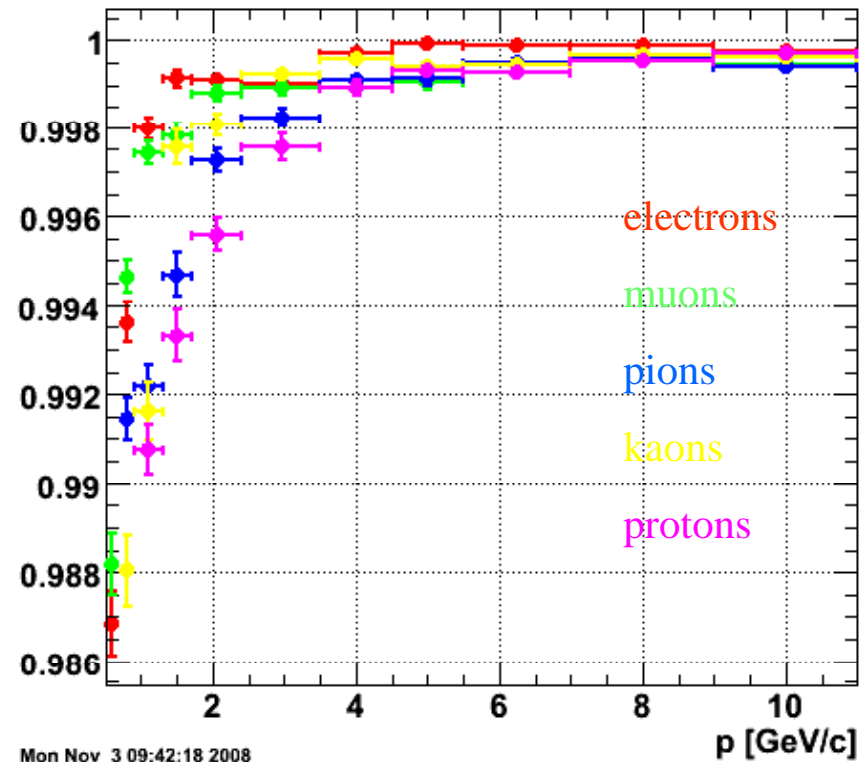
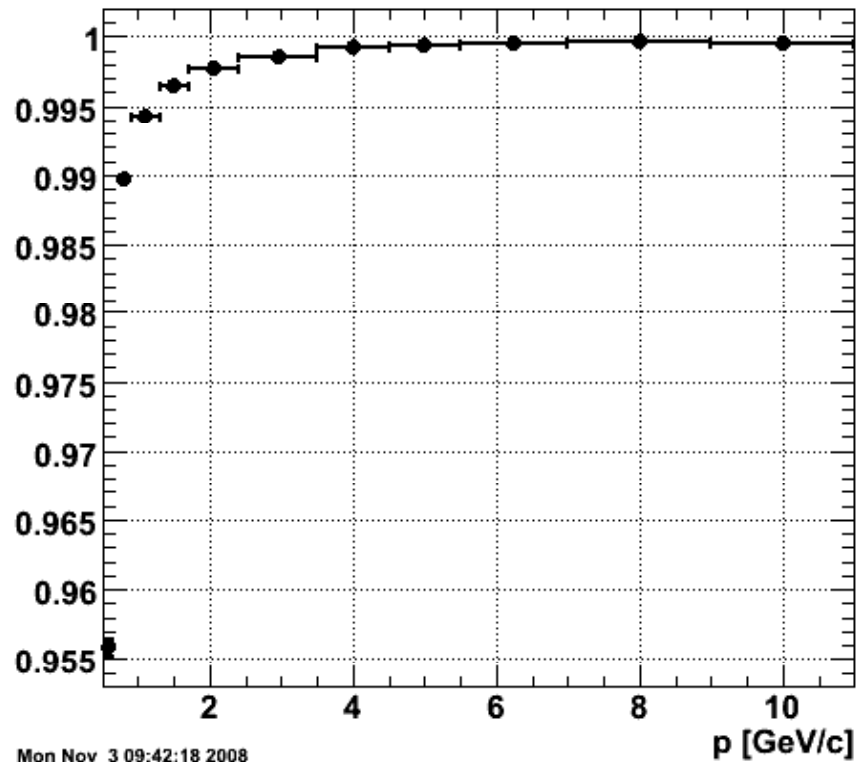
Release - resolution

CLUSTERS
RESIDUALS RESOLUTION

TRACKLET
RESOLUTION

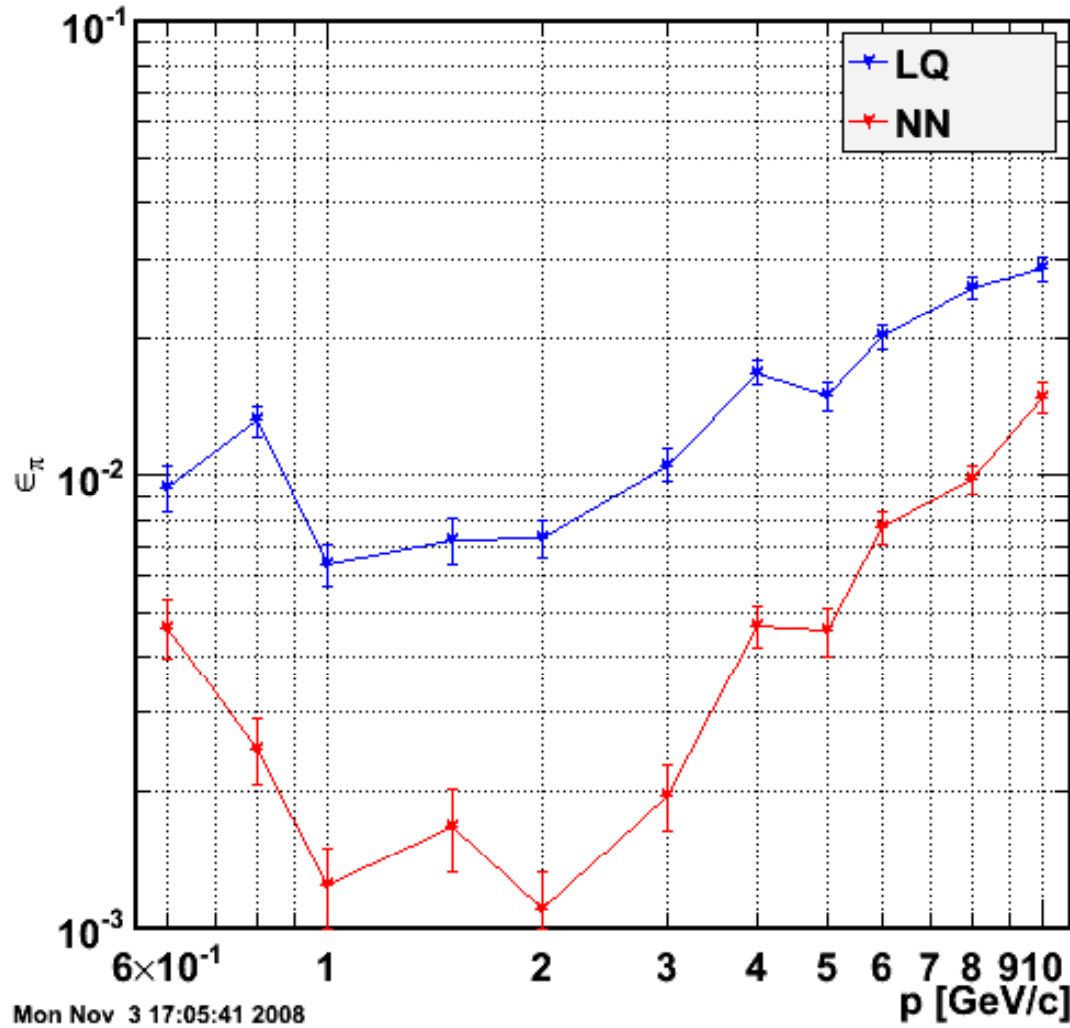


Release – efficiency



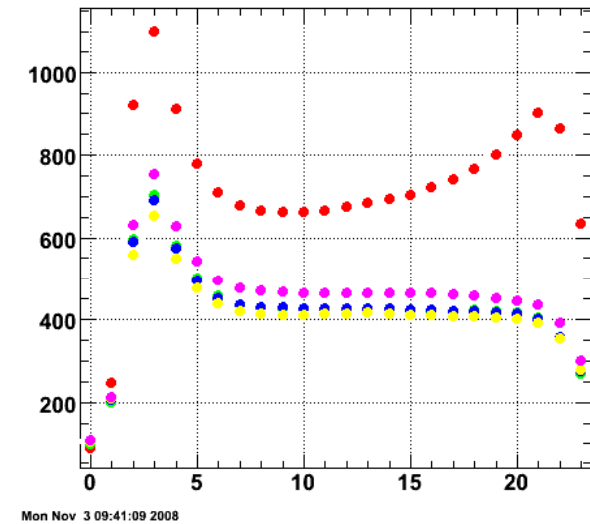
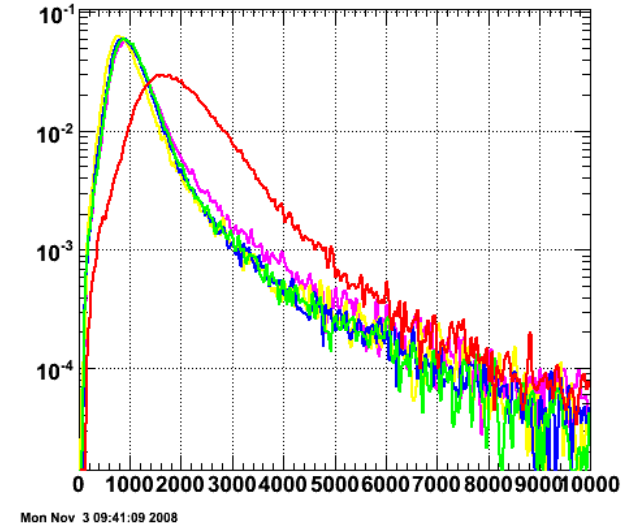
I-AliTRDtrackerV1::PropagateBack: Number of seeds: 253
 I-AliTRDtrackerV1::PropagateBack: Number of back propagated TRD tracks: 171
I-AliTRDtrackerV1::Clusters2Tracks: Number of found tracks : 19
 I-AliTRDtrackerV1::RefitInward: Number of loaded seeds: 149
I-AliTRDtrackerV1::RefitInward: Number of found tracks from loaded seeds: 0

Release - PID

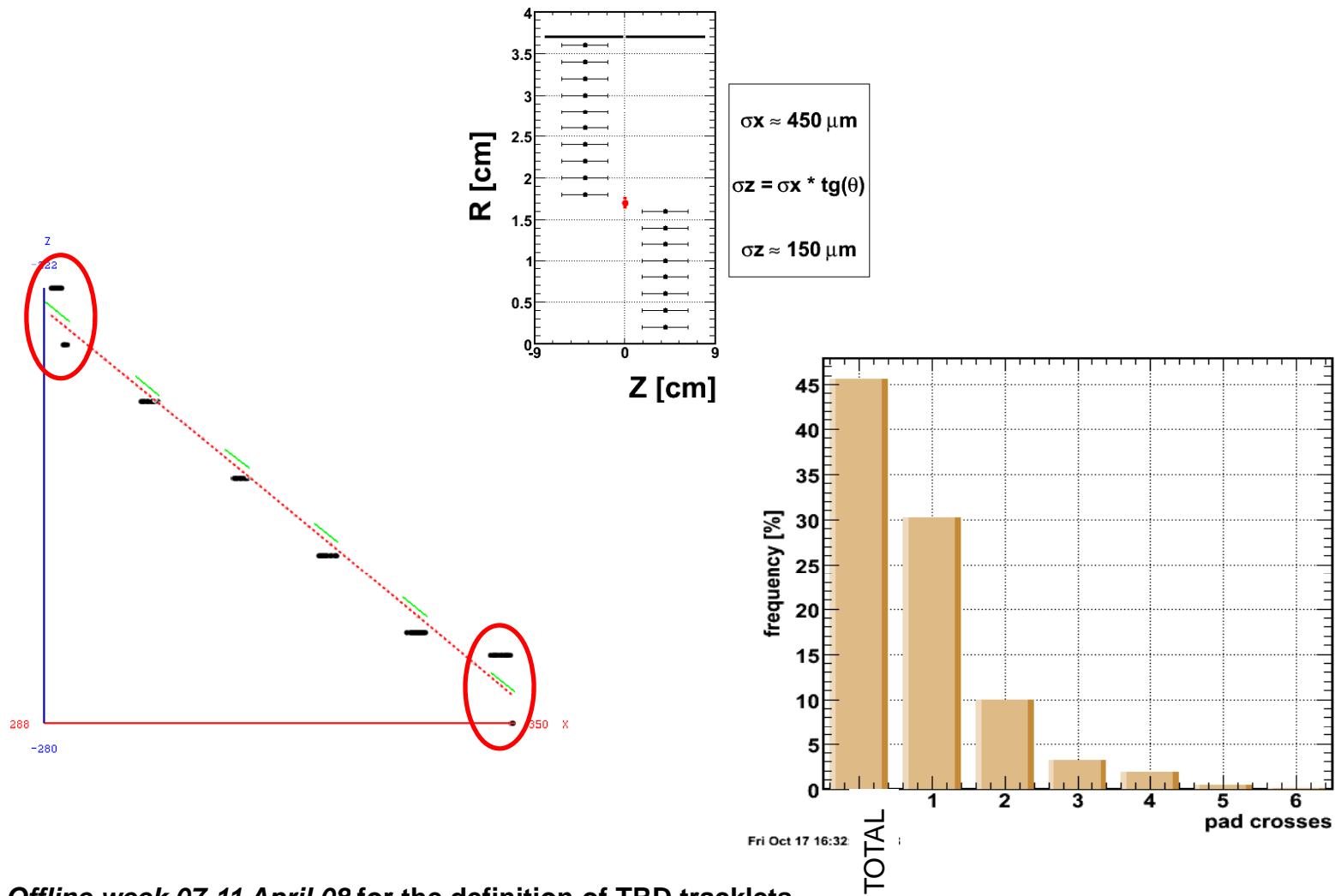


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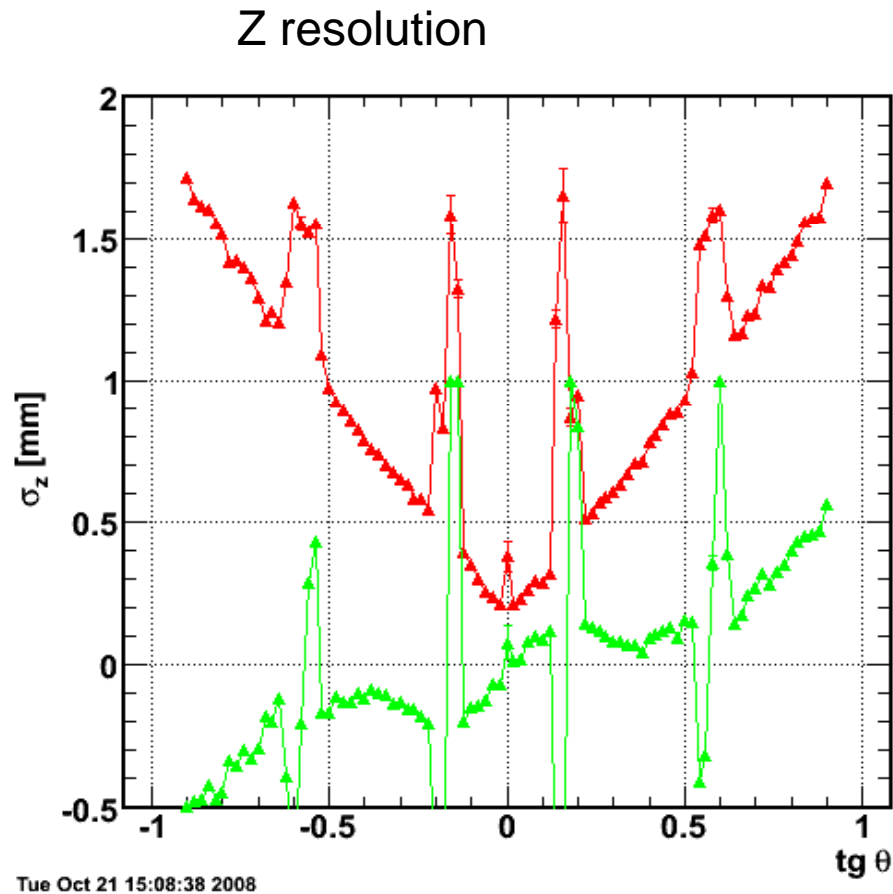


Pad row cross tracklets (*)



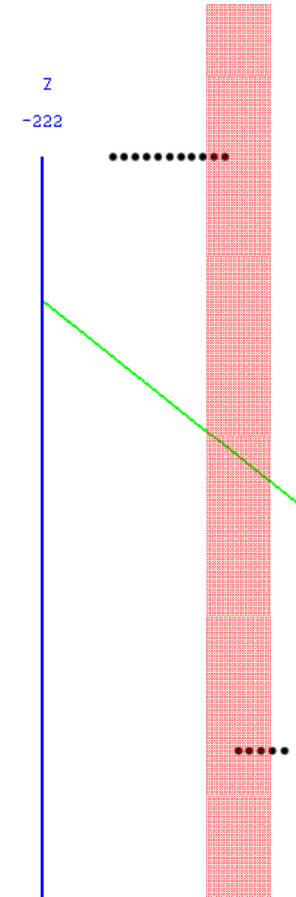
(*) see *Offline week 07-11 April 08* for the definition of TRD tracklets

Pad row cross tracklets (2)

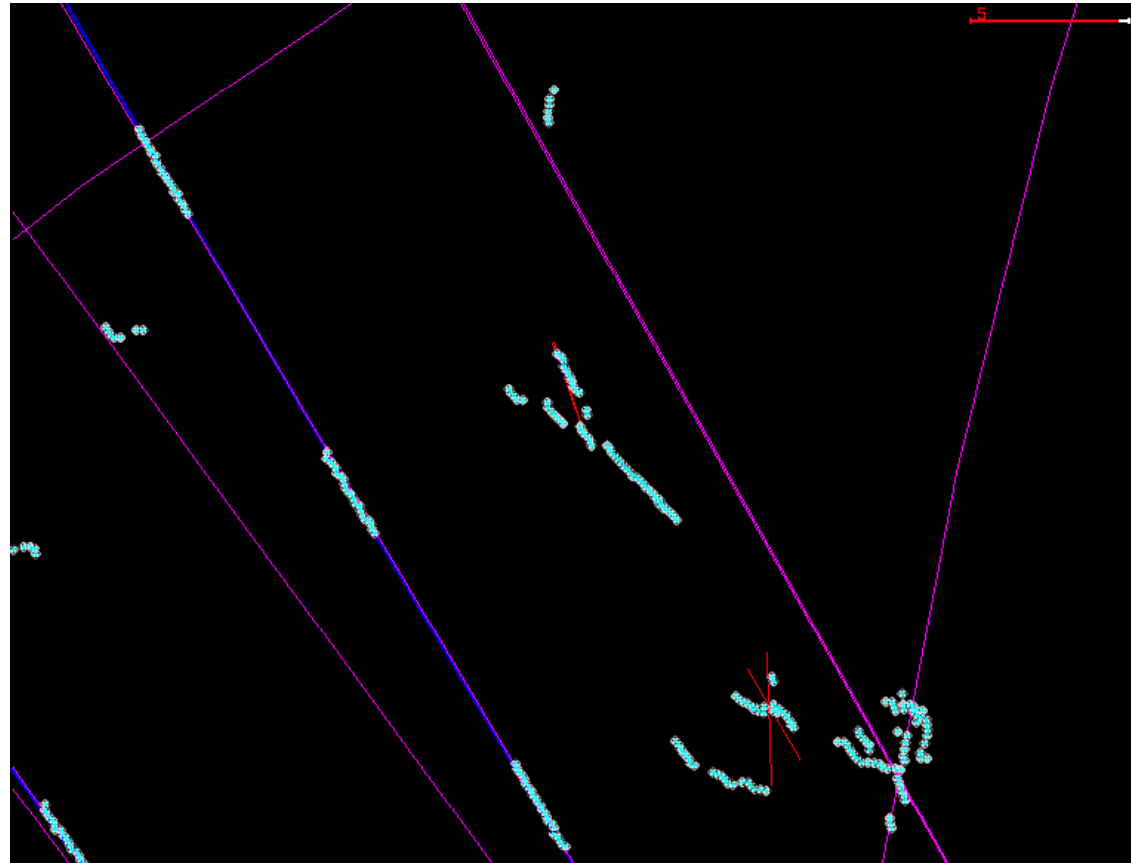
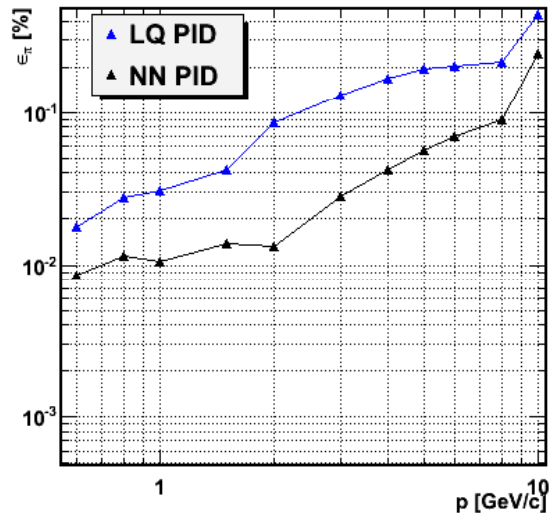
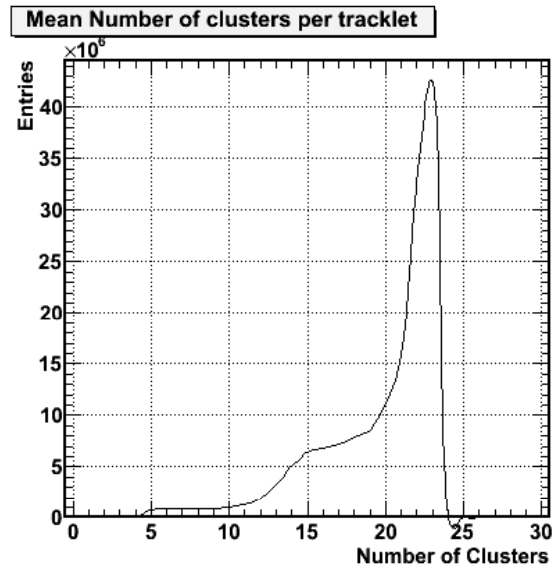


To do:

- dEdx
- “late clusterizer”

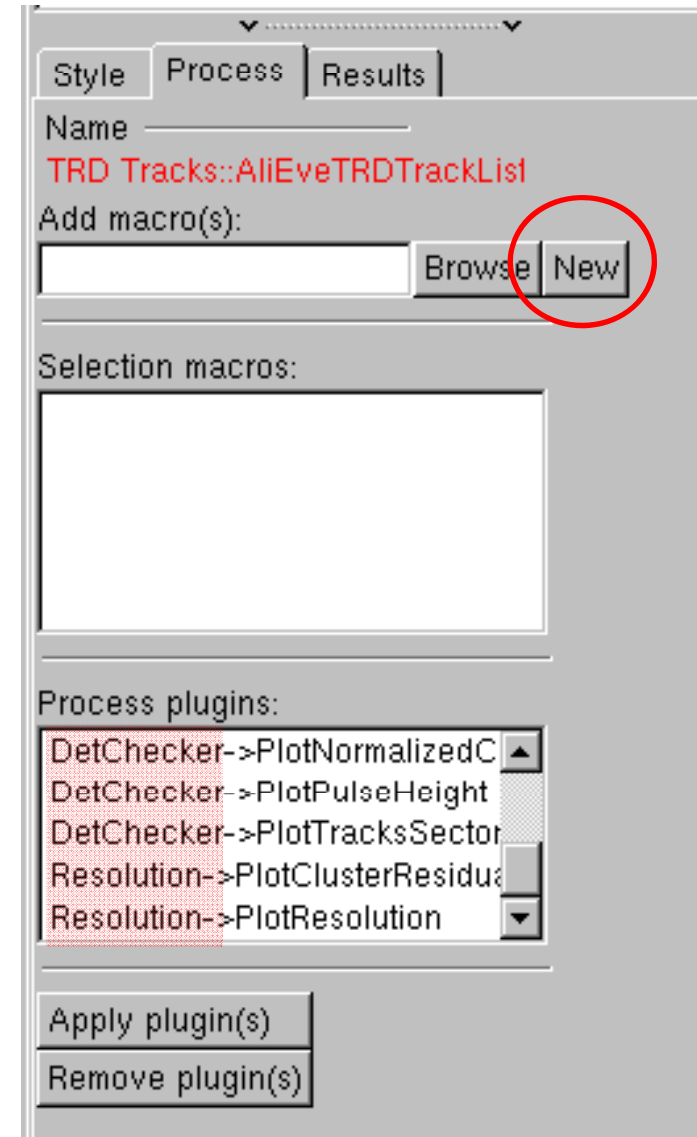


Pad row cross tracklets (3)



Miscellaneous

- Visualization
 - integrating QA algorithms
 - macro wizard
- HLT
 - improvement of (20%) by copying clusters to C struct
 - new : *unorthodox way of transferring clusters* between components (need discussions with HLT)
 - monitoring (see status meeting) : *avoid code duplication*



To Do

- ALICE calendar (Yiota & Catherine)
- TRD visualization & event scanning (Cvetan)
- Running software on GRID (Federico)

- Cross pad row tracklets !!
- Resolution (spatial, angular, momentum)