Starting Analysis Framework (Task)

E. Cuautle

April 24, 2008

Analysis Framework (Task)

The analysis framework provide common tools for processing ALICE data in an efficient way. It was designed to take advantage of the existing technologies for parallel computing and provide access to CPU and data to several concurrent analysis modules in the same time (same process).

http://aliceinfo/Offline/Activities/Analysis/AnalysisFramework/index.html

Analysis

Local:

Everething is done in your desktop or laptop

Analysis

Iterative (CAF)

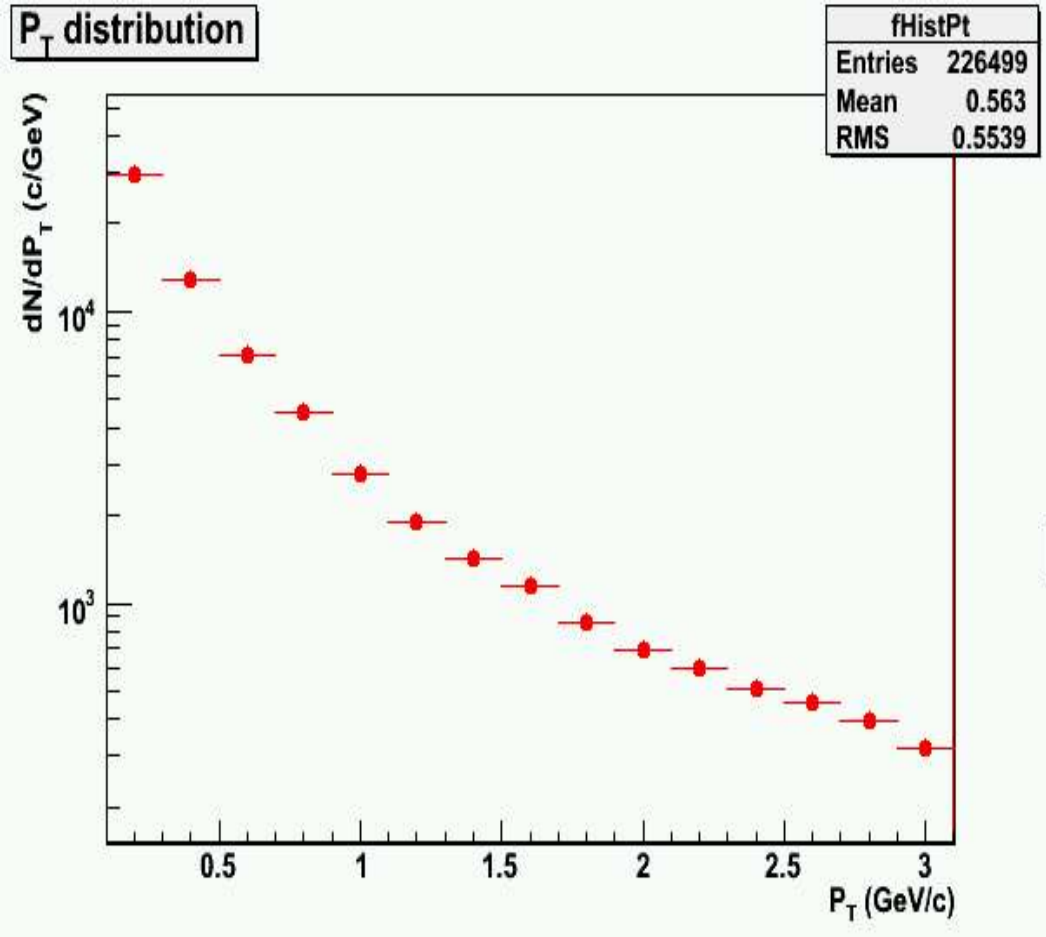
You have the software you are using your on your desktop/laptop and also on the CERN Analysis Fcilities (CAF)

Analysis

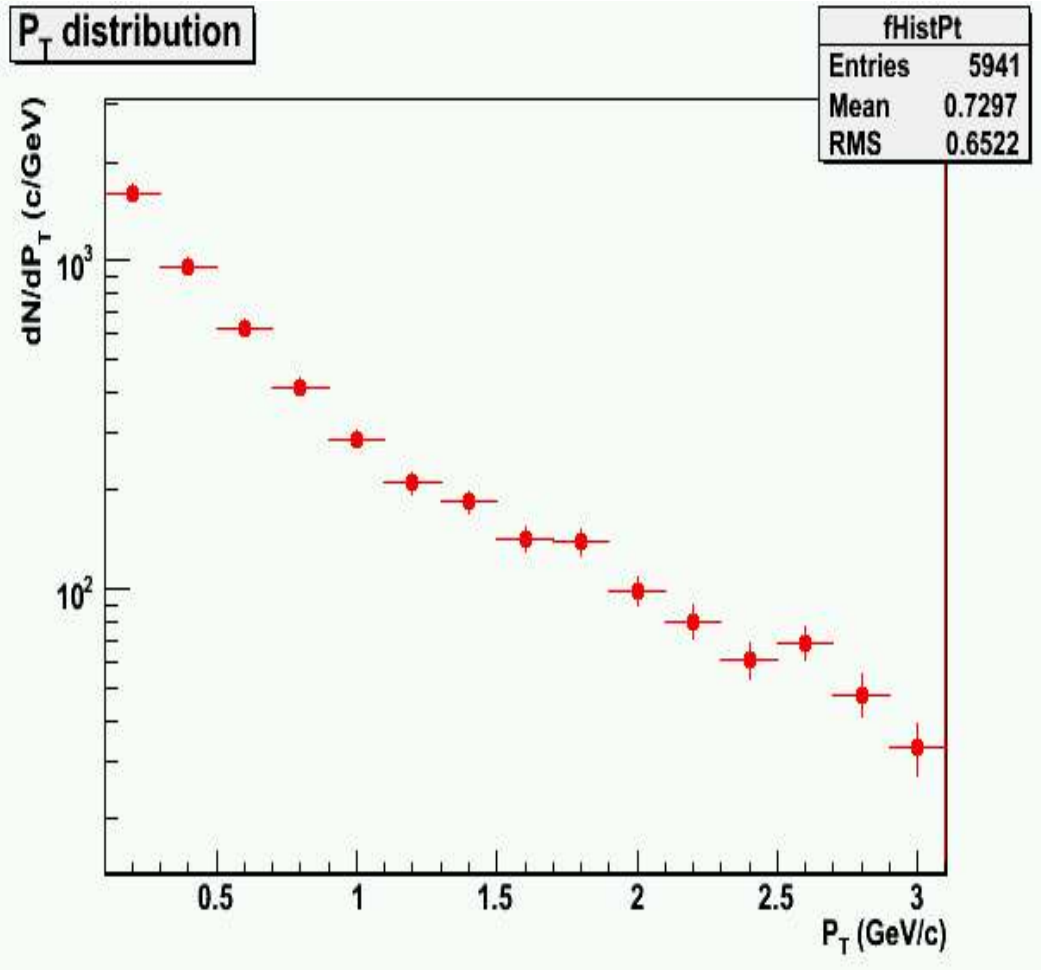
Grid (some place):

You send your jobs and in some place the will be executed and return the output.

Local example: run1.C



Local example run3.C



JETAN ANALYSIS:

LOCAL

It works without

any problems:

JetAnalysisManagerLoc.C

ON CAF

we are missing something

JetAnalysisManagerCAF.C

GRID

After new alien version (2-15)

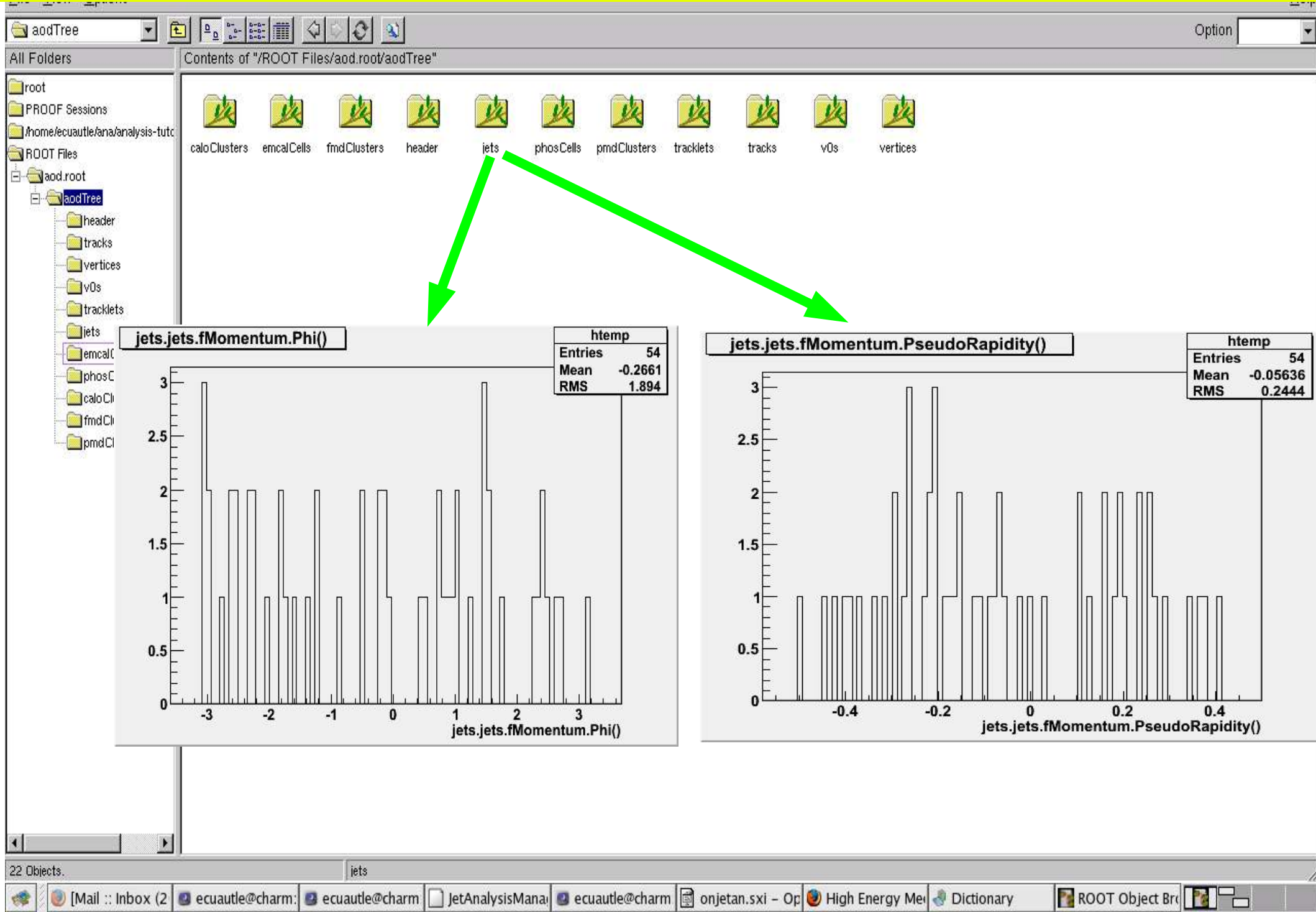
we will use UNAM certificate

JETAN ANALYSIS (LOCAL)

JetAnalysisManagerLoc.C

- AliAnalysisManager (ANALYSIS)
- AliAnalisysTaskJets
  - AnalysisTaskJets
  - .....
- AliESDtrackCuts
- AliAnalysisFiter
- AliAnalysisTaskESDfilter
- AliAnalysisDataCotainer

RESULTS (AOD)


aodTree
Option
All Folders
Contents of "/ROOT Files/aod.root/aodTree"
root
PROOF Sessions
/home/ecuautle/ana/analysis-tutc
ROOT Files
aod.root
aodTree
header
tracks
vertices
v0s
tracklets
jets
caloClusters
emcalCells
fmdClusters
header
jets
phosCells
pmdClusters
tracklets
tracks
v0s
vertices
jets.jets.fMomentum.Phi()
htemp
Entries 54
Mean -0.2661
RMS 1.894
jets.jets.fMomentum.Phi()
jets.jets.fMomentum.PseudoRapidity()
htemp
Entries 54
Mean -0.05636
RMS 0.2444
jets.jets.fMomentum.PseudoRapidity()
22 Objects.
jets
[Mail :: Inbox (2
ecuautle@charm:
ecuautle@charm
JetAnalysisMana
ecuautle@charm
onjetan.sxi - Op
High Energy Me
Dictionary
ROOT Object Br