

ALIEN

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Tutorial ALIEN

<http://aliceinfo.cern.ch/Offline/Analysis/Tutorial/>
AliEn Tutorial - 13th of April 2007

ALIEN v2-12

- client
- gshell
- xroot
- Recopilar al usar diferente version de gcc (3.2.3):
 - `cd $ALIEN/api/src`
 - `./recompile.gapi`
 - `cd $ALIEN/api/lib`
 - `cp libgapiUI.so.2 libgapiUI.so.3`
 - `cp libgapiUI.so.2.0.2 libgapiUI.so.3.0.0`

ROOT, GEANT, ALIROOT

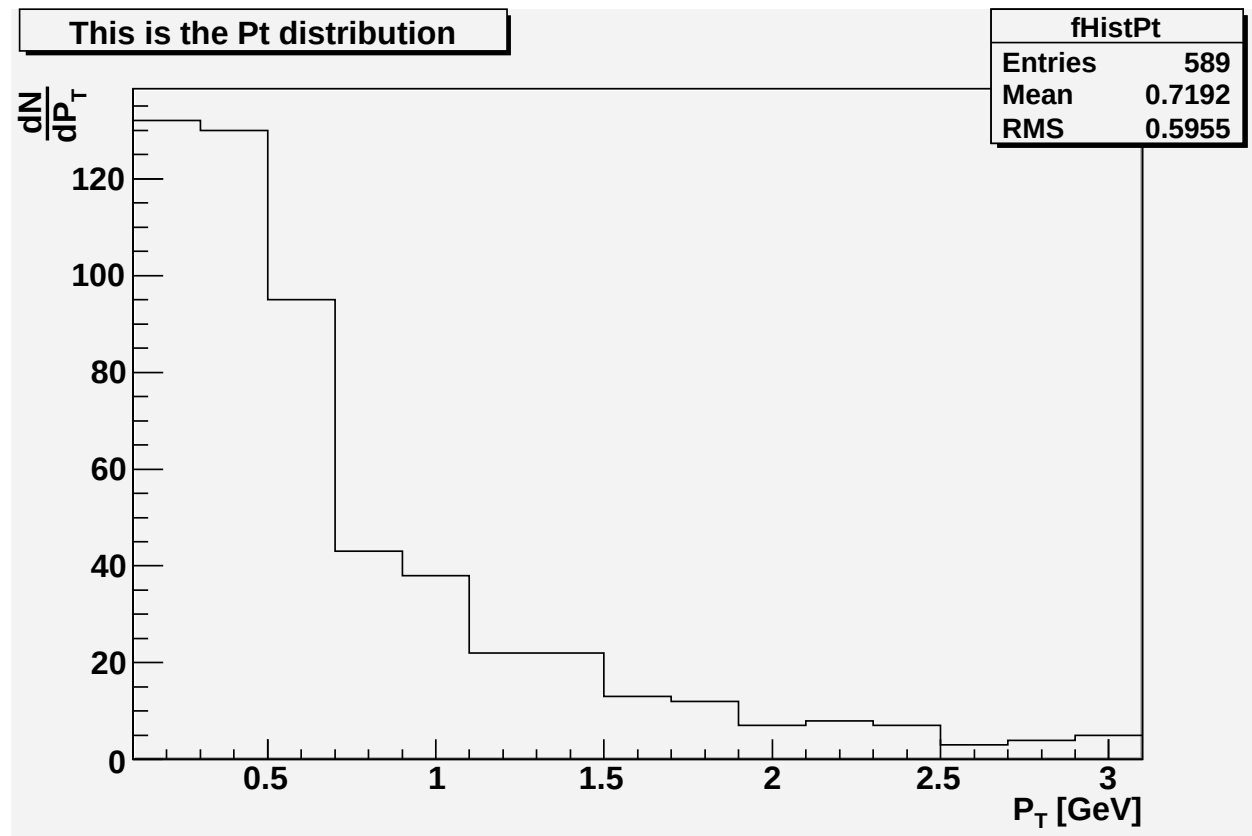
- ROOT v5-15-04
- GEANT HEAD
- ALIROOT v4-04-Release-a (ALIEN)
- ALIROOT HEAD (without Aliengui)
 - /PWG2/AnalysisMacros/Local/Tags:
Creation tag files for the locally stored ESDs
 - /PWG2/AnalysisMacros/Interactive:
Local Analysis of the locally stored ESDs using the previously created tag files
 - /PWG2/AnalysisMacros/Batch:
Alien Analysis of the locally stored ESDs using the previously created tag files
 - /PWG2/AnalysisMacros/Kine:
Example to access the MC information

Alien Analysis

- tag file: /alice/cern.ch/user/p/pchrist/Tutorial/PDC06 ($N_{Events}=1000$, pp 900GeV)
- modify the InputFile, InputDataCollection, InputDataListFormat and OutputDir fields
/PWG2/AnalysisMacros/Kine/analysisKine.jdl
- copy /PWG2/AnalysisMacros/Kine/analysisKine.jdl, AliAnalysisTaskRLPt.cxx, AliAnalysisTaskRLPt.h, demoBatch.C, global.xml, runProcess.C to Alien:
/alice/cern.ch/user/i/idomingu/test2/Kine/
- copy /PWG2/AnalysisMacros/Kine/aliroot.sh to Alien:
/alice/cern.ch/user/i/idomingu/bin/
- submit analysisKine.jdl

Alien Analysis

```
aliensh:[alice] [5] /alice/cern.ch/user/i/idomingu/ >ps
idomingu 2858904    ___    D                aliroot.sh
idomingu -2858907   ___    D 00:00:26         aliroot.sh
idomingu -2858908   ___    D 00:00:34         aliroot.sh
```



Local Analysis

ERROR

W-TStreamerInfo::BuildCheck:

The StreamerInfo of class AliESDCaloCluster

read from ///alice/cern.ch/user/p/pchrist/Tutorial/PDC06/001/AliESDs.root

has the same version (=1) as the active class but a different checksum.

You should update the version to ClassDef(AliESDCaloCluster,2).

Do not try to write objects with the current class definition,
the files will not be readable.

===== RUNNING LOCAL ANALYSIS TestManager ON TREE esdTree

CreateOutputObjects of task TaskRLPt I-TAlienFile::Open: Accessing image

alien:///alice/cern.ch/user/p/pchrist/Tutorial/PDC06/001/AliESDs.root

in SE <ALICE::CERN::se>

*** Break *** segmentation violation

Root > Function runBatchProcess() busy flag cleared

Function demoBatch() busy flag cleared

=====

until we patch the new things with Peter, please use the setenv.sh script

(\$ALICE_ROOT/PWG2/AnalysisMacros) in lxplus. If you source this file, you

access the needed root and aliroot versions (and alien as well).