

Offline Weekly Report

July 21 – July 28, 2014

PRESENT	ON VIDYO	EXCUSED
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1. ISSUES AND REQUESTS FOR DISCUSSION	

2. PRODUCTION

Updated 31/07/2014, 09:30

Setup

RAW Common	Re-processing of 2010 pp data, periods b, c, d, e, f, g Test run submitted with AliRoot v5-05-Rev-05: 1. Reconstruction seem to be working 2. Now debugging various issues in the calibration macros (summarily resulting in segfault) JIRA ALIROOT-5311
MC PWG_HF LHC14b3a(LHC13d anchors) LHC14b3b(LHC13f anchors) LHC14b3c(LHC1 anchors)	MC Production for heavy-flavour electrons in p-Pb (triggered TRD and EMCAL data) Production to be re-run Issues in EMCAL - not clear what is it. Request exploratory running - passed on to the PWG_PP MC group - ONGOING JIRA ALIROOT-5344
RAW Common	Re-reconstruction of LHC12d, LHC12e and LHC12f Contingent on TRD alignment JIRA ALIROOT-5487

MC	HF jet pPb MC production
PWG_HF	Setup of macros
LHC14g3a LHC14g3b	JIRA ALIROOT-5545
MC	MC simulation for p-p FMD analysis
PWG_PP	Setup
LHC14g4	JIRA ALIROOT-5543
RAW	Pass2 of LHC11abcdef
Common	QA reports completed. To be re-run at some point. JIRA ALIROOT-5177

Running 10% or full statistics

MC	Pythia jet-jet anchored in 2010 (pp) data with low seed threshold
PWG_JE	Re-running full statistics
LHC14b6a,	JIRA ALIROOT-5346

LHC14b6b,
LHC14b6c,
LHC14b6d

In 10% QA

MC
Common

Pythia 8 min.bis, Pythia with added signals and Phojet MC productions anchored to LHC12[a-d] (pp@8TeV)
In 10% QA
JIRA [ALIROOT-5456](#)

MC
PWG_CF

LHC14b8a (0-5%)
LHC14b8b (40-50%)

Full MC flow production including forward detectors
In 10% QA.
JIRA [ALIROOT-5338](#)

Completed and in final QA

MC PWG_PP LHC14f2	Geant4 v10 Test Productions Completed, issue with number of muon triggers, G4 validation ongoing. JIRA ALIROOT-5482
RAW PWG_PP	Reprocessing run LHC12a 177011 and LHC12g 188362 keeping 100% of friends for TRD alignment Completed, in final QA JIRA ALIROOT-5520
MC PWG_DQ LHC14g2	Single Muon 3D Box to get efficiency maps for dimuon efficiencies Completed, in final QA. JIRA ALIROOT-5505

Report Summary

Report summary for PB

- This week the workload is OK (MC)
- RAW data production LHC10a (one test run) restarted with AliRoot v5-05-Rev-05, reco OK, debugging calibration macros
- 2 specific runs for TRD alignment completed

Report summary

- 6 in Setup phase
- 2 in 10% QA
- 1 running full statistics
- 3 in final QA

3. FRAMEWORK

New Tags & Requests

v5-05-Rev-05 27/07/2014	<ul style="list-style-type: none"> ● ALIROOT-5490 MPD signals for high pile-up environment ● ALIROOT-5532 Fixes in CDB from ATO-69 ● ALIROOT-5533 Changes needed to complete the transition to CDH v3 ● ALIROOT-5536 Release validation bug fix - QA macros to port ● ALIROOT-5537/ALIROOT-5538 HLT throws an exception in LHC10b/00011612 / Reconstruction aborts in HLT ● ALIROOT-5539 Fix in the creation of T2L matrices ● ALIROOT-5542 Porting request for TTreeStream and AliAnalysisTaskFilteredTree ● ALIROOT-5546 port to release AliT0Reconstructor and AliT0TimeEq fixed for LHC10b reconstruction ● Bug fix in AliAODZDC.cxx
v5-05-Rev-06 30/07/2014	<ul style="list-style-type: none"> ● ALIROOT-5526 Fix for the compilation of DA: fb7e4ca3aa4792 ● ALIROOT-5541 Modified makeOCDB.C and AddTaskT0 for CPass0 for T0 ● ALIROOT-5549 Porting for reprocessing of 2012 (cpass0/cpass1 for TRD) ● ALIROOT-5550 Port fixes for "invalid write" detected by valgrind ● ALIROOT-5551 Do not add vertices w/o contributors to temporary array ● ALIROOT-5552 Port modifications in CPass0/CPass1 macros ● ALIROOT-5553 Port fixes for problems, detected by valgrind
v5-05-Rev-07 31/07/2014	<ul style="list-style-type: none"> ● Fix in the TRD time-offset calibration ● ATO-19 - fix to handle change of user interface in ROOT TFormula + UnitTest to check that interface is still working

4. CALIBRATION

2011 reprocessing	<ul style="list-style-type: none"> ● LHC11a will need to be repeated with updated TPC code
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2010 reprocessing	<ul style="list-style-type: none">• To be restarted
2012 reprocessing	<ul style="list-style-type: none">• TPC (code, by the end of 2010 reprocessing), TRD (pile-up studies, ongoing)

5. RECONSTRUCTION

Summary of Tracking Task Force activity in the past week. (Peter/Ruben)

	<p>In progress:</p> <ul style="list-style-type: none">• PWGPP-71 Filtering of high outlier multiplicity events in reconstruction - to reduce failing rate due high memory usage<ul style="list-style-type: none">◦ Dummy implementation and description of the intended algorithm (Marian)• ATO-19 Run1 reprocessing preparation. Summary of the current TPC status• ATO-78 Lower gain at sector edges
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6. SIMULATION

Summary of simulation developments and issues in the past week (Andreas)

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7. GRID OPERATIONS

Summary of ALICE issues at WLCG Operations Meeting ([link](#)):

Central services	<ul style="list-style-type: none">• Grid certificate on central services expired, fixed over weekend
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8. DECISIONS

1.

9. ACTION ITEMS

1. For OCDB uploads in the next three weeks, please add C. Zampolli as watcher (Raffaele on holiday).
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