

















Status of Reconstruction from real raw data

Detector	Status	Responsible	Contacts	Notes
TPC		Marian Ivanov	28.10.07	Data are stored on CASTOR and registered using AliEn. Availbale data from 2006 (June-November). File convention is YYRRRRRRRRRIII.SSS.root, where: - YY: year (fixed lenght) - RRRRRRRR: run number (fixed lenght) - III: node identifier of the GDC (fixed lenght) - SSS: sequential number (variable lenght) DAQ castor path: - /castor/cern.ch/alice/data/<year>/<month>/<day>/<hour>/file.raw - i.e.: nsls /castor/cern.ch/alice/data/2006/07/27/10/06000000174001.001.raw AliEn: - /alice/data/2006/LHC06b/000001418/raw/file.root
ITS SPD		Domenico Elia	24.10.07	Sent a .raw file with cosmic from a detector sector that was in DSF (June 2007). 400 events. The file has GDC switched off and cannot be converted into ROOT format. Either asking for a newer version or installing DATE sw to rec from DATE
ITS SDD		Francesco Prino		
ITS SSD		Enrico Fragiacommo	29.10.07	Currently AliReconstruction is not working for SSD raw data. Problem due to the sorting of raw data and the way the old cluster finder creates clusters. He discussed about this during the Offline week. Waiting in few days for a raw file with data pedestal-subtracted.
TRD		Mateusz Ploskon (C. Blume)	29.10.07	They have some data in Muenster with a custom reader for it. Suggested to wait few days until they have some testbeam data with a close-to-final/final reader coming with them.
TOF		Annalisa De Caro	30.10.07	She needs to talk with her responsible because she remembers problems with the DRM header. She'll keep me posted.
HMPID		Kirill Shileev	27.10.07 30.10.07	Levente Molnar/Domenico Di Bari are responsible for ROOT raws, Paolo Martinengo for DATE raws. They use specific classes for converting into ROOT and running reconstruction, we answered that we must use standard chain. Cosmic : they do not have reconstructed tracks, means normal reconstruction chain for HMPID will fail. It will not reconstruct Theta Cerenkov and leave AliESDEvent without any relevant info, the only new objects that will be created are HMPID clusters. We can invoke their "hidden tracks algorithm", but it is not interfaced to AliReconstruction. Testbeam : files were taken 3-4 years ago with different formats, so the only way to process is to use old FORTRAN code written by Antonello Di Mauro. Agreed for getting zero-suppressed pedestal data to pre-validate the HMPID raw-reader for physics. Waiting for them.
PHOS		Yuri Kharlov	28.10.07	PHOS raw data are located in AliEn at /alice/data/2007/LHC07a_PHOS. Each directory is a run number, and data are split to 1-Gb files. For example /alice/data/2007/LHC07a_PHOS/000008334/raw/07000008334001.20.root is the second Gb of the run 8334. Not all the runs can be reconstructed till ESD: some of the runs are LED monitoring, or baseline measurement, or without high voltage. The run 8334 is one of the really cosmic runs. Sent a script to reconstruct cosmic but we want to use standard reconstruction chain.
EMCAL		Jennifer Klay	29.10.07	They have testbeam data in the AliEn catalogue (raw data format) and can be processed within AliRoot. Info at http://dsilverm.web.cern.ch/dsilverm/emcal/alien_reco.html
MUON		Christian Finck		
FMD		Christian H.Christensen	27.10.07 31.10.07	Kris Gulbrandsen is the direct contact. He needs to discuss with Christian. Christian says most of the data they have are pedestal. They should also have some testbeam data (but the configuration of the sensors was weird so data we get after reconstruction will look funny). Waiting for data.

T0		Alla Maevskya	30.10.07	Testbeam data are in /afs/.../alla/public/testSep07/t0903.raw. They can be read with HEAD LookUpTable and AliT0RawReader.
PMD		Basanta Nandi		
V0		Brigitte Cheynis	28.10.07	Cvetan implemented the raw format in class AliVZERORawStream. A macro to convert raw to digits is available (VZERORaw2Digits.C) but not implemented in AliRoot. Waiting for her further answer before the end of the week.
ZDC		Chiara Oppedisano	30.10.07	They cannot send raw data because their format contains all the 6 detectors of ZDC (4 hadronic calorimeters + 2 EM), while for the testbeam a calorimeter per time has been always tested (plus, using a not up-to-date DATE version). This means the raw data format wouldn't match the one requested by AliZDCReconstructor. We asked to send beam in DATE format because, if newer than 2002, sim.ConvertDateToRoot() should work
TRG		Roman Lietava		
ACCORDE		?		