



Zpracování dat z 1. svazku praktické otázky

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Run Control

Quality/Status

Trigger Details

Run Details for Run 87764

Run Control

Run Number	87764
Start Of Run timestamp	1221031746000000000
Converted to UTC	2008-09-10:07:29:06
End Of Run timestamp	1221058848000000000
Converted to UTC	2008-09-10:15:00:48
Run type	physics
DAQ Configuration	Schema=107:Data=3
Filename tag	data08_1beammag
Detector mask*	0x 41fcffffc0
Recording enabled	1
Data source	no LHC
Partition	ATLAS
Level 1 Events	0
Level 2 Events	216130
Event Filter Events	216130
Recorded Events	216157
Luminosity Blocks	30

Run 87764 info

<http://atlas-service-db-runlist.web.cern.ch/atlas-service-db-runlist/cgi-bin/runDetails.py?run=87764>

*Detector mask interpretation: SCT EA, SCT EC, TRT BA, TRT BC, TRT EA, TRT EC, LAr EMBA, LAr EMBC, LAr EMECA, LAr EMECC, LAr HECA, LAr HECC, LAr FCALA, LAr FCALC, Til BA, Til BC, Til EA, Til EC, MDT BA, MDT BC, MDT EA, MDT EC, RPC BA, RPC BC, TGC EA, TGC EC, L1calo pre, L1calo cluDAQ, L1calo cluRol, L1calo JetEDAQ, L1calo JetERol, MUCTPI, CTP, BCM

Jak se dostat k datům?

- DQ2/CASTOR v CERNu – data ztracena
- repliky v T1 centrech, přístup přes LFC

```
export LFC_HOST=lfc-2-fzk.gridka.de
```

```
lfc-ls -l /grid/atlas/dq2/data08_1beammag/
```

```
drwxrwxr-x Sep 10 17:17 data08_1beammag.00087764.debug_hlterror.daq.RAW.o4
```

```
drwxrwxr-x Sep 10 17:30 data08_1beammag.00087764.physics_BPTX.daq.RAW.o4
```

```
drwxrwxr-x Sep 10 17:48 data08_1beammag.00087764.physics_L1Calo.daq.RAW.o4
```

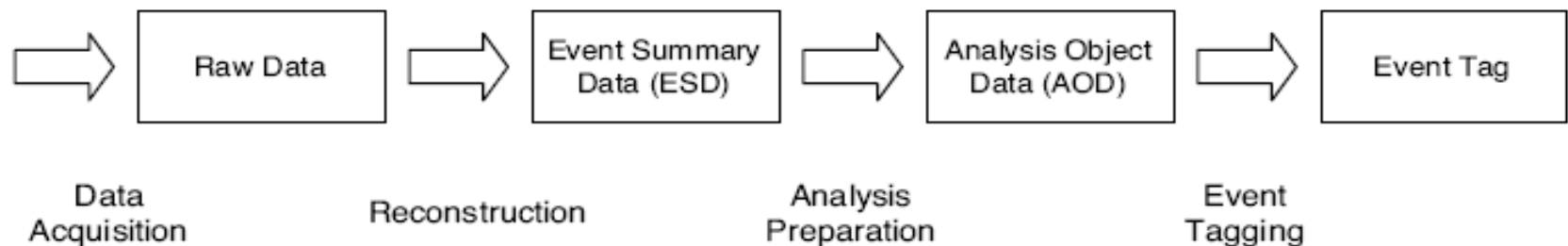
```
drwxrwxr-x Sep 10 20:36
```

```
data08_1beammag.00087764.physics_MBTS_BCM_LUCID.daq.RAW.o4
```

```
drwxrwxr-x Sep 10 20:36 data08_1beammag.00087764.physics_RNDM.daq.RAW.o4
```

<https://twiki.cern.ch/twiki/bin/view/Atlas/InterestingRuns>

- *Byte-stream Data* which is a persistent presentation of the event data flowing from the HLT.
- *Raw Data Object Data (RDO)* which is a C++ object representation of the byte-stream information.
- *Event Summary Data (ESD)* which contains the detailed output of the detector reconstruction and is produced from the raw data. It contains sufficient information to allow particle identification, track re-fitting, jet calibration etc. thus allowing for the rapid tuning of reconstruction algorithms and calibrations. The target size for the ESD is 500 kB per event.
- *Analysis Object Data (AOD)* which is a summary of the reconstructed event, and contains sufficient information for common analyses. Several tailor-made streams of AODs are foreseen for the different needs of the physics community. The AOD can be produced from the ESD and thus makes it unnecessary in general to navigate back and process the raw data, adding significant cost and time benefits. The target size for the AOD is 100 kB per event.





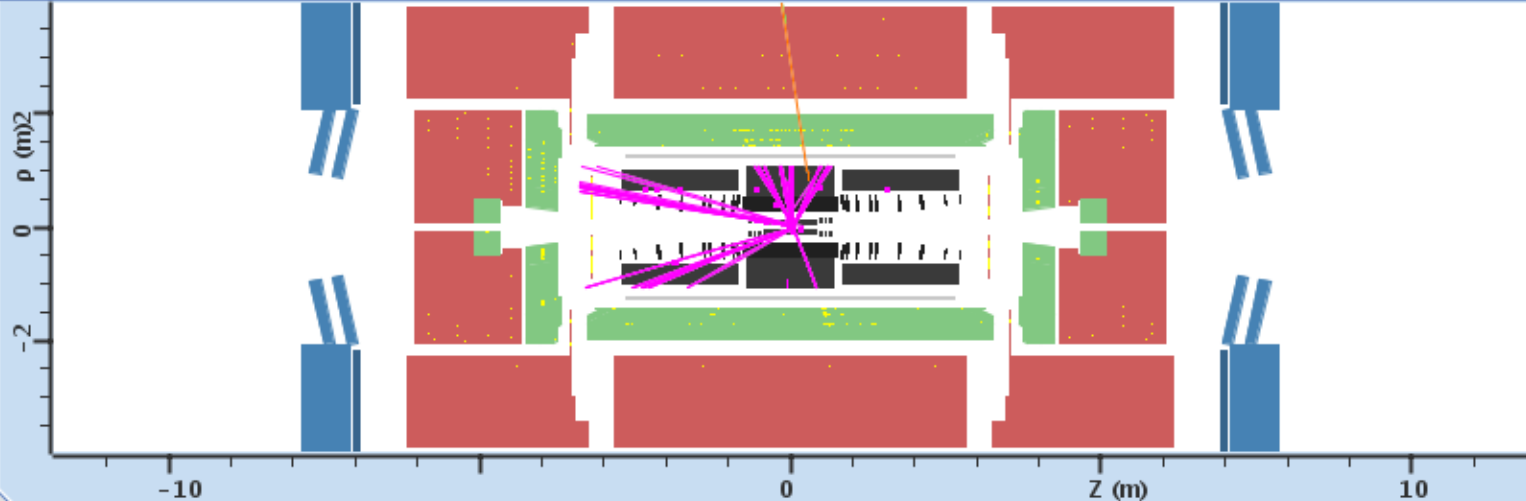
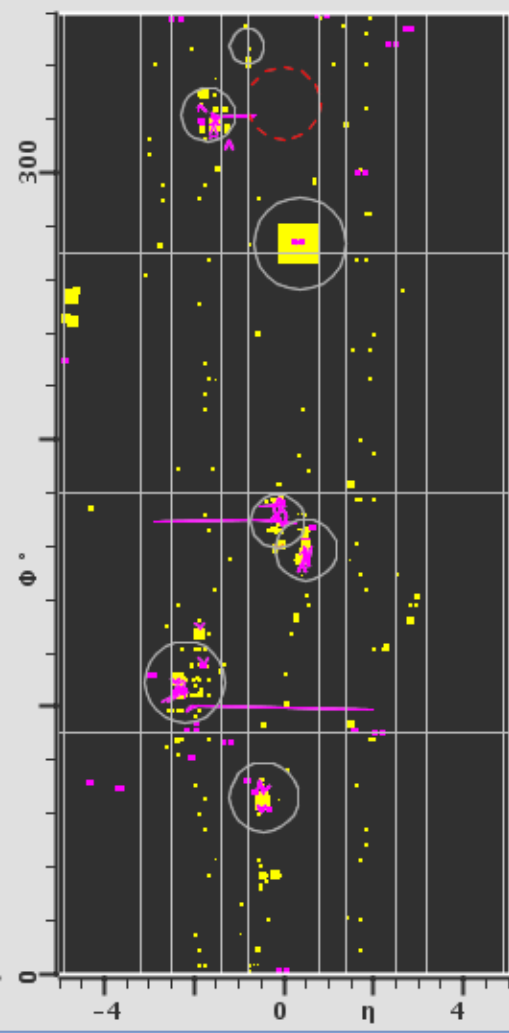
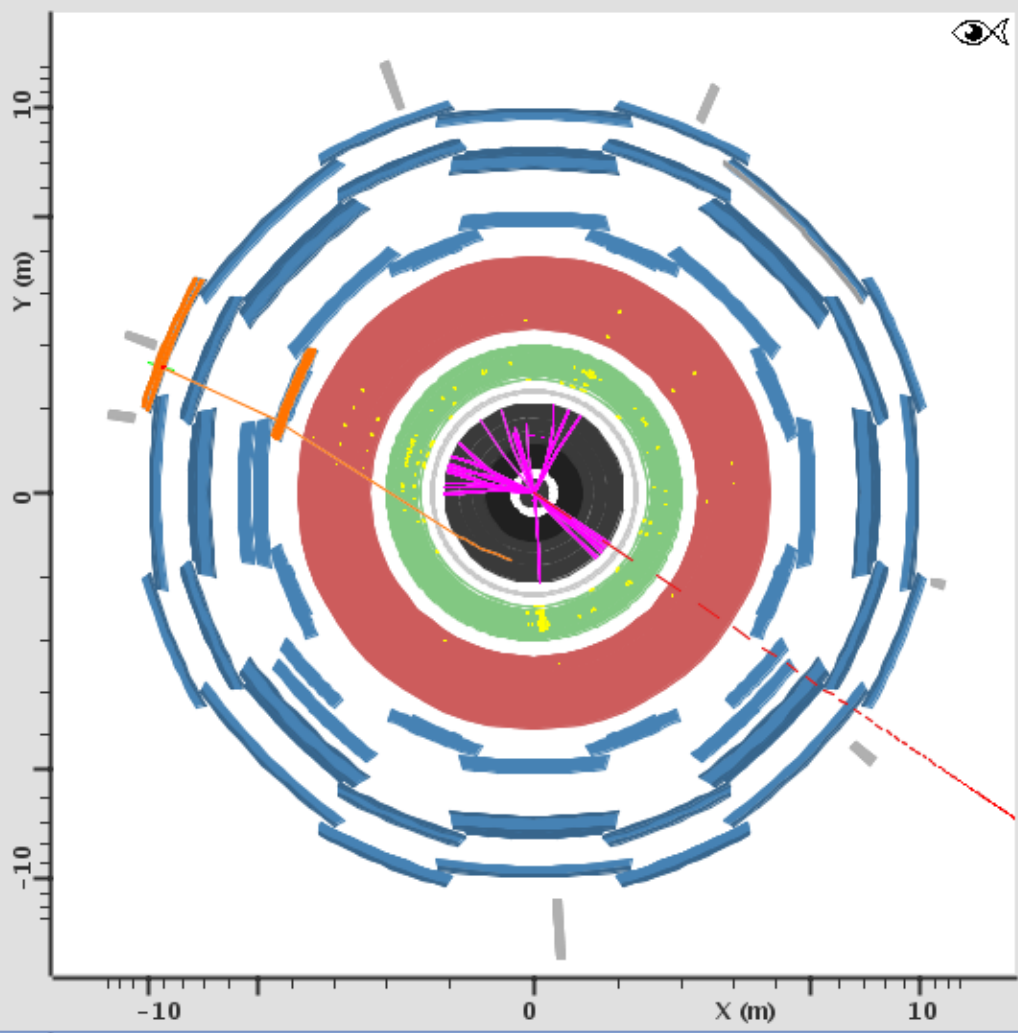
Konfigurace SW



- základy: ATLAS offline SW tutoriály

<http://indico.cern.ch/conferenceDisplay.py?confId=36885>

external



L1Calo Stream

