DQM
status and plans

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DQM meeting 15.07.11

Today's meeting

Focus of the meeting on offline related issues
-DQM by Trigger Class (Ruben)
-Thresholds to Offline (Levente)

AMORE status (Barto)

Newcomers
-HLT (Artur)
-Trigger (last DQM meeting)

Subsystem's reports

Improving DQM service
-Improve system and info provided to shifter
-Improve shifter's training

Online Event Display

DQM Forum and sub-systems homework

Monthly DQM meetings;
http://indico.cern.ch/categoryDisplay.py?categId=3042

Minutes and ToDo Lists; follow up

Participation of detectors mandatory

- **Almost all detectors provided precise response to all given questions**
- **Discussions and follow up**

People working on the DQM

Francesca Bellini formally joined the DQM core team for one year for 20-30% of her time starting 18 July.

-Interface between AMORE experts and subsystem's DQM responsible

Support by the AMORE/DAQ team:

-Bartolomeu Rabacal took over from
Barthelemy Von Haller who left end february

- **Adriana Telesca left end of July**

No dedicated manpower for Online Event Display

DQM shifts

Actions taken to improve shifters performance

- updates of Twiki
- introduction of shifters test
- requested 2 shifts training with previous shifters
- focus on shift work

Actions taken to improve system

- Improve existing system
  - thresholds and alarms
  - GUI descriptions
- Expand system to adapt to experimental conditions
  - event species
  - DQM by trigger classes
- Extend monitoring: main vertex, Trigger, HLT, luminous region

DQM shifts

The DQM station was moved to the previously ITS station

- **6 screens**
- **Close to SL**

Review of Twiki by the Run Coordination

- **Comments will be received soon**

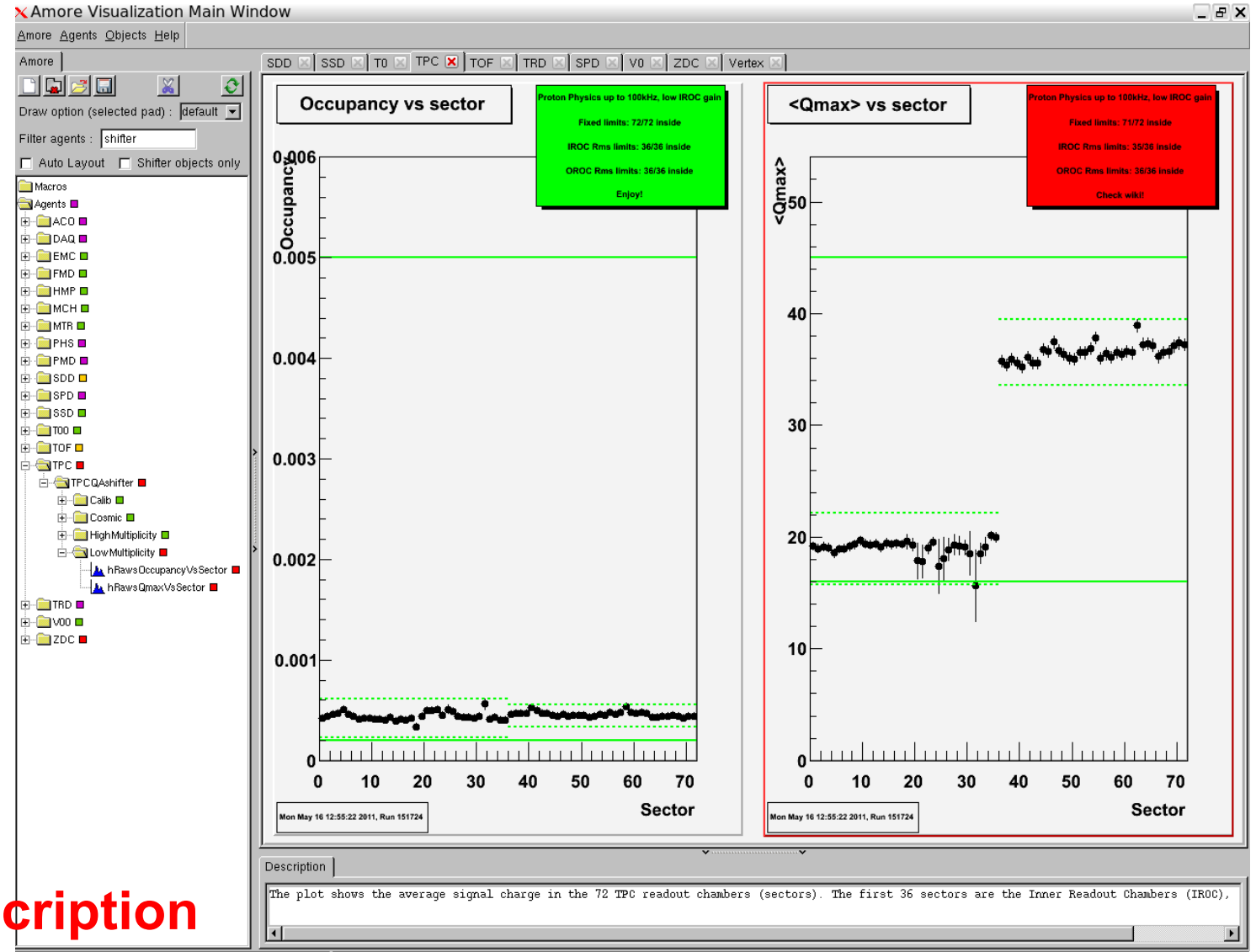
DQM shifts

New Task of DQM shifter

- **A new quality flag was introduced in the logbook**
- **To be set up by detector experts within 24 h from the end of long runs**
- **DQM shifter to check and notify the detectors on-call if it is not done**

Thresholds, Alarms, Quality Flag

Problem: not all detectors provided thresholds, alarms, flag



and GUI description

DQM everyday troubleshooting

See ToDo List attached in DQM Indico (Barto's presentation)

Barto has a list of items to open Savannah tickets

- **Memory consumption**

-OCDB access

-Problems with SSD, T0 (TRD) agents

The recommended procedure is to validate a new version before releasing it: use of the test environment in the DAQ lab":

- **check compilation and functionality**
- **check in detail histograms.**

All sub-detectors have an account on the DAQ test machine to check the results for the DQM experts software.

ToDo: Reproduce exactly the same environment as the DQMshifter sees (make a DQMshifter account)

Training page

Test for trainees

TWiki main page
https://twiki.cern.ch/twiki/bin/view/AliceEVE/EVEDQMShifterInformation

DQM shifter tasks

See F. Bellini in DQM indico

The DQM shifter has the following tasks :

1. Login in the DQM station .
2. Use the Electronic logbook .
3. Check the infoBrowser for QA error messages .
4. Check if the Amore QA agents are running .
5. Inspect the QA Histograms and report in the logbook: ACORDE DAQ EMCAL FMD HMPID MUON PHOS PMD SPD SDD SSD T0 TOF TPC TRD V0 ZDC Vertex HLT
6. Check the Online Event Display on the Projector
7. Use the DQM online event display
8. How to retrieve objects from previous runs and archive them
9. Write an EOS report reporting pending issues
10. Pass the information to the next DQM shifter when announcements are reported
11. Troubleshooting
12. DQM subsystem responsible
13. DQM meetings and HOWTOs
14. Update new or pending issues and leave remarks for detector experts
15. What to do with the HLT
16. Event Species

Online Event Display

It runs online the offline reconstruction to check if the reconstruction is OK
(using some reasonable OCDB values)

- **on the "projector" PC**
- **on the DQM station**

However with no proper support last developments by P. Debski; now back to his studies…

It is a data monitoring tool
Resolve PR purposes differently

HowTo for Event Display in Twiki and hard copies

The three right panels focus on

- **Central barrel front view**
- **ITS side view (vertex)**
- **Muon /central barrel side view**

The muon data project onto the central barrel and confuse the image

For PR purposes files in projector PC with events and animations from previous runs focusing on central barrel (P. Debski) and muon (D. Ram); media player needs to be installed