

MUON Status

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on behalf of the Dimuon Offline Group

- Pt2 status
- Code changes since last offline week
- Issues
 - pass1
 - QA
- To come in 2011

Detector status

- MCH+MTR back in operation
- A few (MCH) Shuttle failures
 - during PHYSICS run, was due to improper configuration of our DCS archive process
 - still failing for unknown reason (yet)
- One DQM (MCH) histo empty (side-effect of filling the 4 event species ? to be clarified and fixed)

Code changes

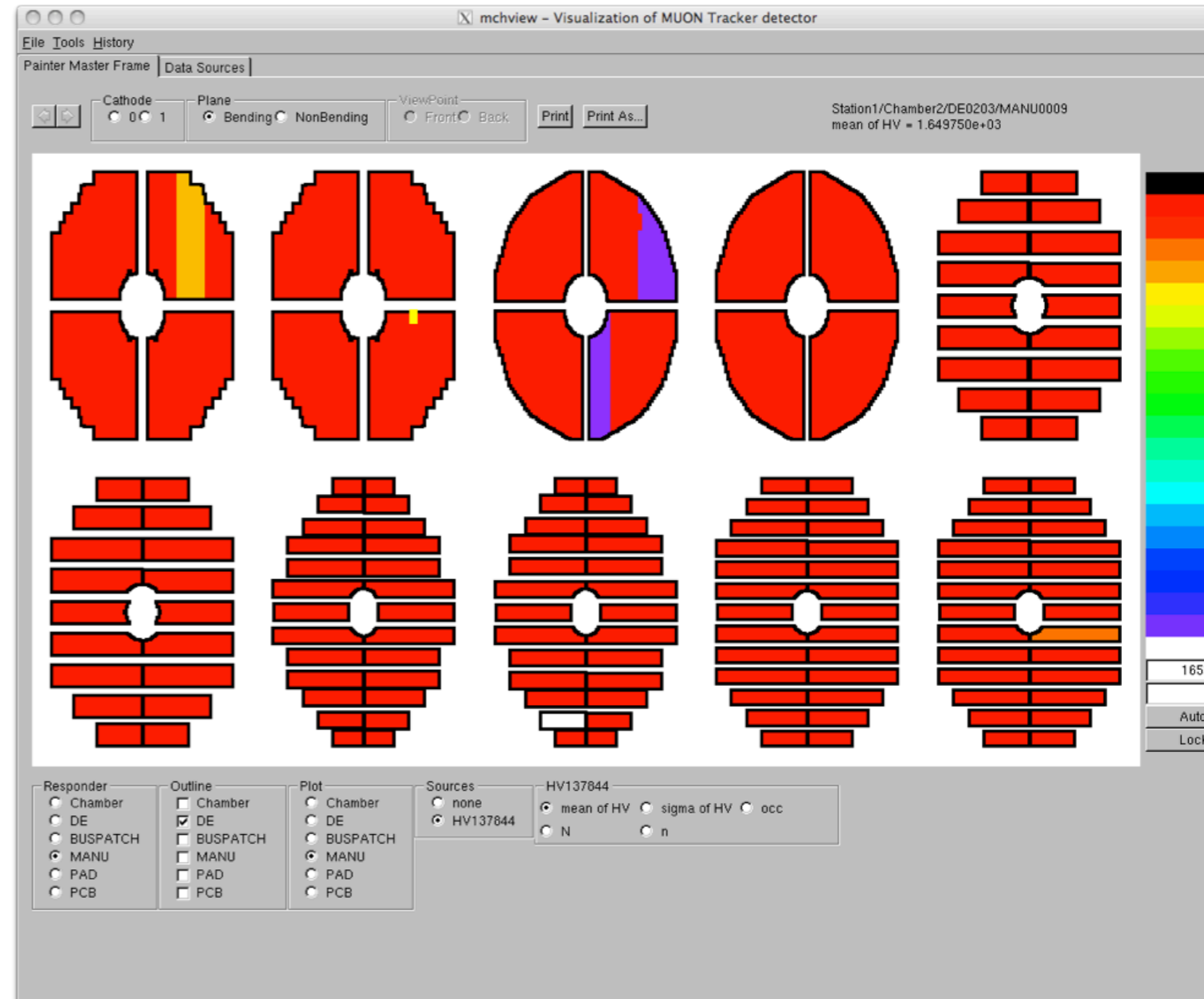
- Coverity fixes
- current # defects in muon : 2
- Embedding «revival»
- HV cut finally switched on...

Embedding revival

- MUON part
 - Code was theoretically working long time ago...
 - Actually had to be massaged a bit to be back in a usefull state...
- General part
 - Few open questions on how to «transmit» non-MUON information (e.g. for vertex, physics and centrality selections) with the lowest (cpu) cost
- More info. on Javier's presentation @ WOM (February 21st, 2011)

HV cut

- Starting with LHC10h pass2, we're now rejecting pads in regions where HV is too low (thresholds in RecoParam)
- Required a change in the way we treat values we get from DCS
- because sometimes HV is ramped down before the actual end-of-run...



pass1 vs iterative passes

- No immediate need for an iterative calibration pass for us
- Just a reminder here that pass1 (as we know it from 2010) is really helpful for us
- Hope it stays like that...

QA

- Not the PWG1 one, but the one running during reco
- Essential tool with unique access to information that's lost later on :
 - raw data (e.g. for trigger scalers)
 - recpoints (for clusters not attached to tracks)

QA fate ?

- QA has only been running end of LHC10h pass1...
- even if for legitimate reasons (e.g. memory hogs ?)...
- we really should attack the problem (our preference) or declare it dead (if no manpower / no usage by others)
- If we keep it, we'd also need a run-based merging to make the most out of it

To come in 2011

- Once we finally get a (very) good alignment*, we'll have to :
 - apply GMS data to track changes due to B-fied
 - apply the (gain) calibration to reach the ultimate resolution...
- For alignment, geometry «granularity» will be changed for St1 and St2
- Might have to revisit the clustering at some point in time...
- Propagate trigger information for embedding...

*hence our B=0 request, pending from last year

QUESTIONS ?