

update on Presenter and automatic Histogram Analysis

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Presenter status

- several new features were introduced by Peter in the latest releases (> v0r20):
 - TCK-aware references
 - support for MonRates (trend plots)
 - improved parallel histogram loading
 - support new saveset organization for history mode
 - page reshuffling by drag-and-drop (!)
- unfortunately, the development introduced some drawbacks:
 - broken support for virtual histograms
 - problems with histogram declaration
 - counter support makes dim browsing too slow (online mode)
- we are working to fix these issues...

In the Meantime...

Recommended Presenter versions:

Online use the official script

`/group/online/presenter/run_presenter.sh`

(uses v0r20 + support for new new saveset - support for counters/rates)

Offline use v0r20

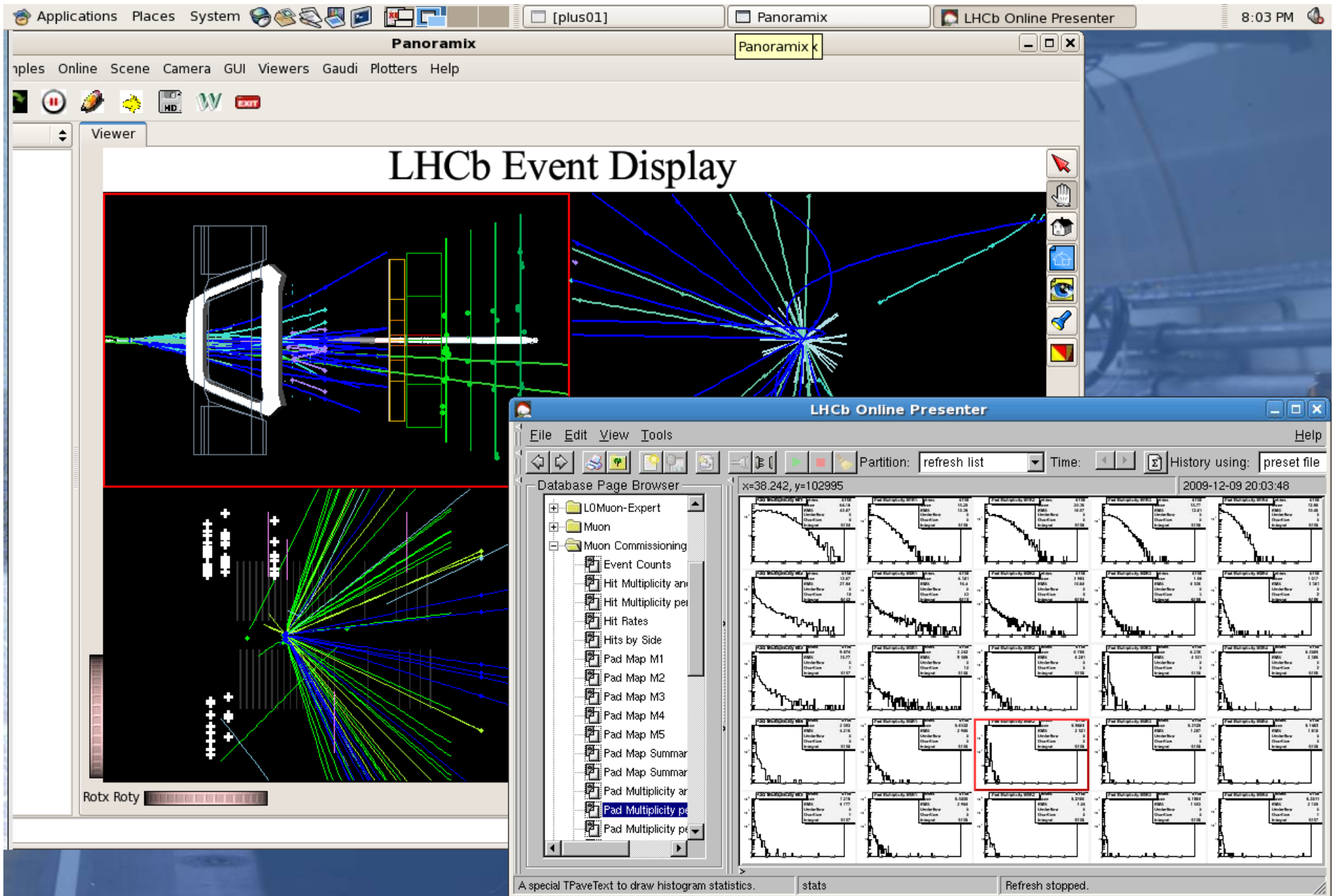
HistDB mirror:

- thanks to the Oracle support@IT, we have a (read-only) mirror of the Histogram DB that can be seen **worldwide**
- it is updated 3 times a day (at 8, 16, 24)
- connection string is **hist_reader@lhcb_hist/reader**
i.e. put in your presenter.cfg
databases = lhcb_hist
database-credentials = HIST_READER:reader

NoMachine's NX:

- a great way to run remote X session from the pit without opening X windows on your remote terminal!
- see the online twiki for directions
- what about an NX server on the DQ farm?

Snapshot from my home pc (ADSL) in Florence



Status of automatic Histogram Analysis

- system in production at the pit
- to enable your automatic checks:
 - go to HistDB web interface lbhistogramdb.cern.ch, connect as HIST_WRITER
 - look for your histogram record and click on “Add Automatic Analysis”
 - choose your algorithm (list with documentation available) and setup warning/alarm thresholds
- alarm window disabled in the official online presenter script, use View → Show alarm list
to see histograms producing alarms and associated messages
- alarms are not yet going to alarm screen, but this will happen soon. . .
please check your analysis carefully to avoid flooding the shift crew with fake alarms. The test DB @devdb10 is still available for tests