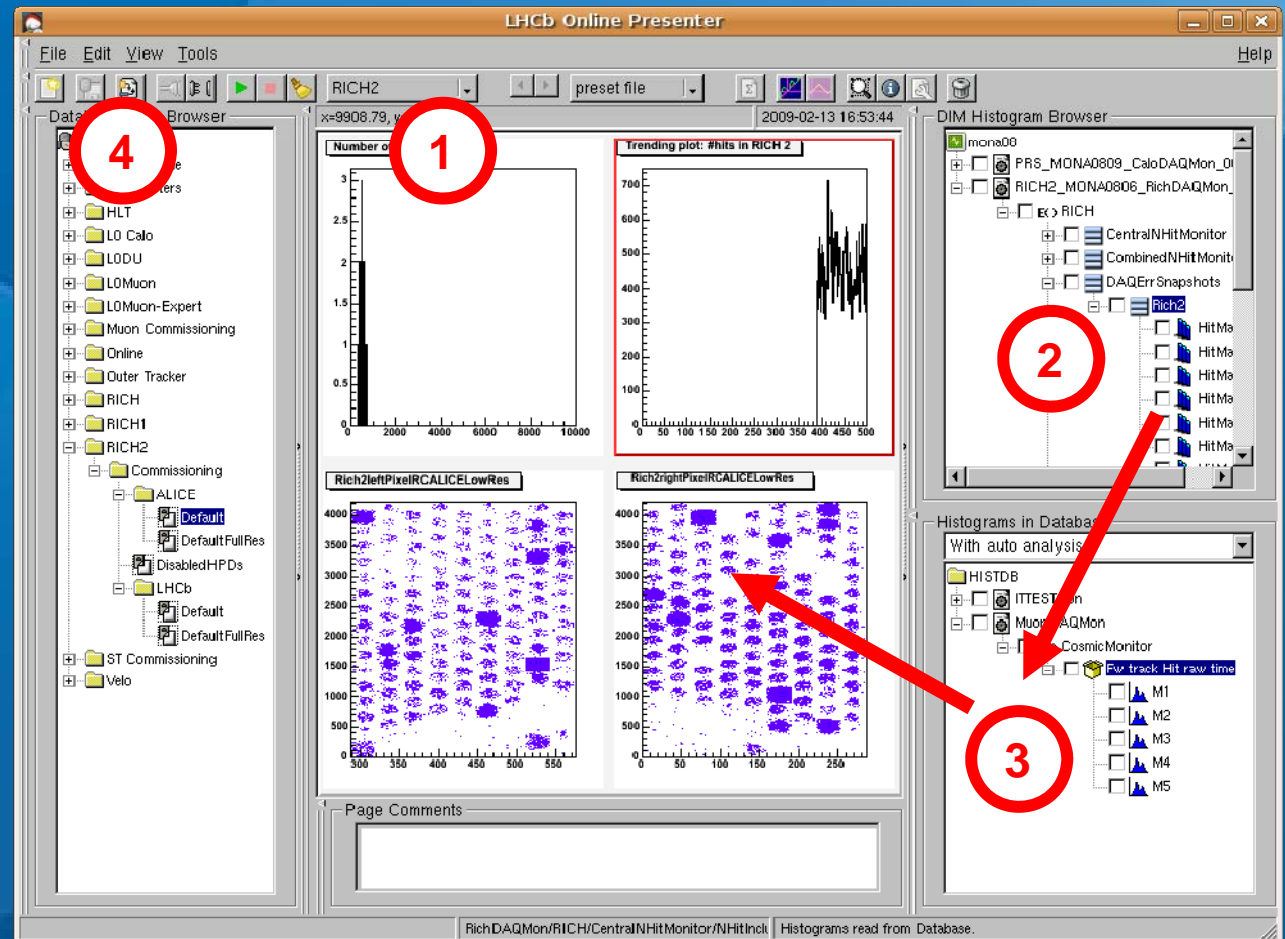


# Launching the Presenter

- In the pit: `./group/online/presenter/run_presenter.sh`
  - Or subsequently, once the environment is set:
    - `presenter.exe`
    - `--help` shows parameters
      - „`-D dim_dns_node`”, or a `saveset .root` file as argument for offline page editing
- Histogram Database: <http://histogramdb/>

# Creating pages

1. Click on black arrow and choose refresh partition list. If you can't find your partition. Press the long button to activate it. Click again on the black arrow to see the new list of available partitions and select yours. Press on this text button again, to validate your selection.
2. Your histogram services will appear in the tree. Select the ones you need, and add them to the database using the context menu (right click)
3. Select the histograms from the database you would like to see on your page. Set properties with the context menu or dialog box when adding to the page.
4. Save page to database.



# Tricky settings

Overlay reference (if available): norm.: area, entries using values from the file:

`$HISTDIR/$HISTREFPATH/yourTaskName/default_1.root`

This file should be (like) a saveset for the task, you need to copy it here by hand!

Pattern to be overdrawn on histogram (must be a ROOT file name containing a TCanvas):

`$HISTDIR/$HISTREFPATH/yourTaskName/rootFile.root`

Custom bin labels: through web or API (examples Online/ExampleGaucho or Online/OnlineHistDB)

The image shows a collage of screenshots from various software interfaces. At the top right is a 'L3-D Online Presenter' window displaying several histograms. Below it is a 'Database Page Browser' window showing a tree view of data. At the bottom right is a 'Mozilla Firefox' browser window displaying a web interface for histogram settings, including fields for X, Y, and Z axis titles, scales, and plot options. Red arrows point from the text blocks on the left to specific elements in these screenshots: one points to a histogram in the 'L3-D Online Presenter', another to a plot in the 'Database Page Browser', and others to various input fields and buttons in the 'Mozilla Firefox' browser window.

# Major pitfalls

- Partition selector button is two buttons in one
  - It is a list for selecting an item, and a button to perform an action (e.g. refresh the list)
    - You need to “click twice” when you pick your partition
- Online histogram sources are established on the fly, when a page load is requested. If an histogram produced by a task is unavailable when the page is being loaded, all other histograms of the same task are skipped, under the assumption that the given task is down.
- DIM DNS might vary according to use: please use the „-D” startup switch
- Every startup parameter can be stored in a config file (see \$PRESENTERROOT/doc folder)
- Set your „Stats option” (StatBox) with care on large histograms, avoid to display it if not needed
- “Error: Source not found” title, and histogram is empty: did you select your partition?
- Automatic analysis is driven by the database, please use HistDB for these settings:

The image displays three screenshots of the OnlineHistDB Web Interface, illustrating the configuration process and the resulting database structure. Red arrows highlight key elements:

- Left Screenshot:** Shows the "Definition of 'Analysis' Histogram" page. The "Choose Algorithm" dropdown menu is open, with "Divide" selected. A red arrow points to this menu.
- Middle Screenshot:** Shows the same page with the "Divide" algorithm selected. The "Title" field contains "Sw Week Example for the Presenter". A red arrow points to the "Divide" option in the dropdown menu.
- Right Screenshot:** Shows the "Histograms in Database" view. The "Full list" section displays a tree structure of histograms. A red arrow points from the "Divide" algorithm in the middle screenshot to the "Divide" entry in the database view. The "Average Occupancy per Station" entry is highlighted.