JEVP Online Plot Package

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The Jevp Plot package consists of three main pieces

I. The online presenter.

The online presenter runs on the computer "rts05" in the control room. It is used to view the histograms as they are produced by the currently run.

The program should be self-explanatory for most users.   The plots will automatically begin updating when the first event of a new run arrives and remain visible until the next run begins.

Simply click on the tabs to change from one page of histograms to the next.

If the online presenter is not currently active, simply click the "Jevp" icon located on the desktop to start it.   The launch of the presenter is very slow, however, if the presenter fails to start within about 30 seconds, the most likely reason is that the server is not running. In that case proceed to the next item.

II. The JEVP Servers

There are two JEVP servers.   The first is the main server for the online plots. The second is another server for the HLT system.   Both servers typically run at all times, and should restart themselves automatically if there is a problem.   So the shift crew usually doesn't need to do anything. The plots from a run will be automatically created and saved in the database whenever the servers are running – even if there is no active presenter.

If the plots do need to be restarted here are the directions:

(jevp server)

> ssh evpops@evp

> ./jevpHistoMother &

If you get a message like the following:

"This script is already running... at jevpHistoMother line 8"

Then the server is already running.

(l4 server)

> ssh evpops@l4evp

> ./l4HistoMother &

III. The historical run-by-run plots.

The plots are saved in the database at the end of each run.   To access them visit the standard STAR run log, and click on the pdf file which is listed under "QA Info Extended → #####.shift.pdf"

IV. For more information

For more information, checkout the code from the CVS repository in OnlTools/Jevp.   In this directory follow the directions in the "readme.txt", "readme-presenter.txt" and "readme-server.txt" files.   These files contain information relating to the setup and development of histograms.