

Stability Monitor

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What is the stability monitor?

- Stability monitor will be used to keep the key information, i.e. hit ratio per ladder, in the database and visualize those information with some time series plot.
- To provide the measurement quality of the INTT, stability monitor is needed.
- If at some point that the INTT goes crazy, we can know it immediately.
- If we want to trace back the history, it is easier to do with the stability monitor.
- It should be some kind of framework that either me or others can add whatever information into the stability monitor.

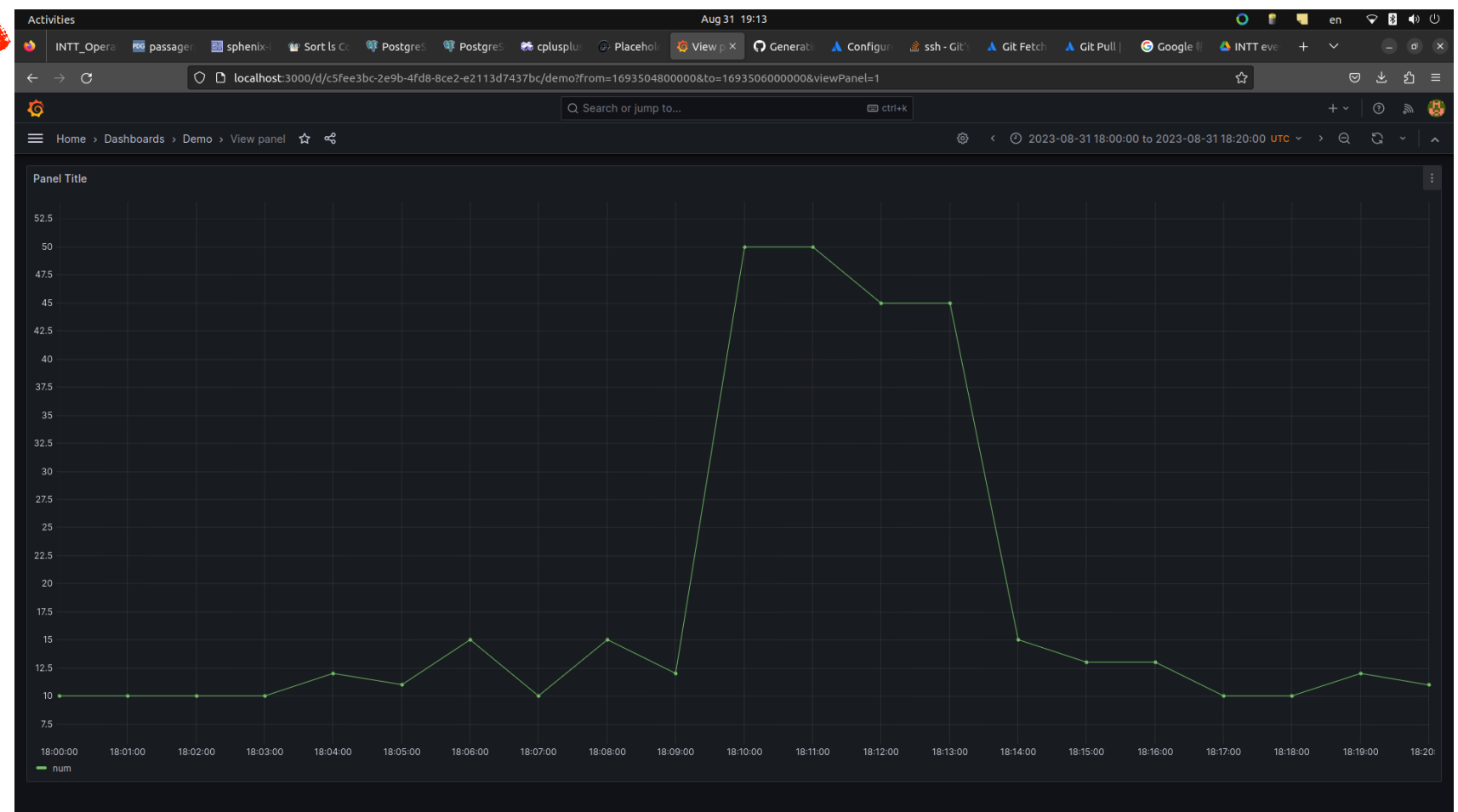
Status

- I used Genki's PC (which its OS is Ubuntu) to do the development.
- Use [PostgreSQL](#) and [Grafana](#) to store and visualize the information. Those tools are also used for sPHENIX.
- I used some toy data make a demo.

Example Grafana page



I created some toy data in
PSQL database and show it
on the Grafana page



To do

- Testing with some real data
 - Drag some information from the real data and put them into the PostgreSQL database.
 - Make this process automatically.
 - Check if Grafana can self-updated.