

# **sPHENIX INTT stability monitor**

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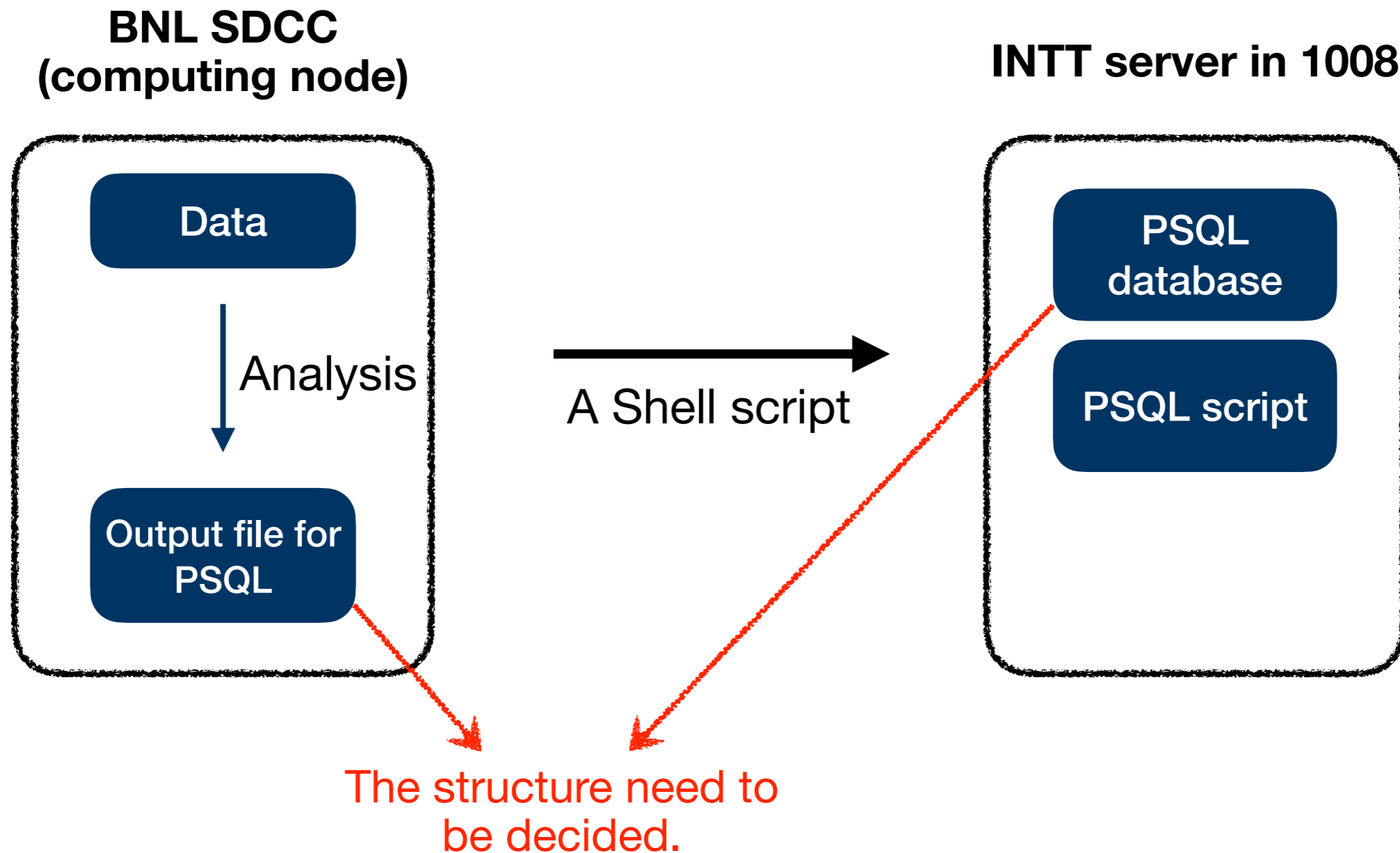
**2023/11/01 INTT weekly meeting**

# Status

- The stability monitor is now running on the INTT server.
- Feature Development:
  - The purpose is to let everyone can add whatever they want to check in the monitor.
    - > Make it as an application.
  - A script for transferring data and processing PSQL database is made.
  - Which kind of form we are going to use for database is under discussion.

# Stability monitor

- Process for stability monitor



# Structure of database

## Table

Run No.	Variable 1	Variable 2	Variable 3	Version	Comment	Latest version
Run 1				1		3
Run 2				1		2
Run 3				1		1
Run 4				1		1
Run 1				2		3
Run 2				2		2
Run 1				3		3

- SELECT FROM Table WHERE Version=Latest version

## File for feeding into database

- Two column csv file: one for Run No., other for the variable

# Summary

- The stability monitor is now running on the INTT server.
- However, if someone want to add something to monitor, it must go through me. -> Make it as an application that everyone can use.
- Database structure is under construction.

**Back up**

# Stability monitor

- Framework of stability monitor

Some analysis macros

Data Root files

Some txt file

This part including creating tables in database, insert value in tables...

The python code transfers the information in txt file to the database



Visualized by Grafana

