

# INTT Weekly Meeting

Joseph Bertaux

Purdue University

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- This will be brief, as Chris provided most of this information directly in his reply to the INTT mailing list
- Some of the resources he provided are below:
  - <https://wiki.sphenix.bnl.gov/index.php/Calibrations-db>
  - <https://github.com/sPHENIX-Collaboration/macros/tree/master/CDBTest>
  - <https://arxiv.org/abs/1901.05429>
- Bear in mind this tool is still being developed and functionality may be added or changed
  - This includes updates and revisions to the documentation

- The CDB is a file server located on `cvmfs`
- There is another path under `/sphenix/cvmfscalib` to allow quicker access in case `cvmfs` runs garbage collection
  - (Garbage collection can take hours)
- Available over the `sdcc` network
- The timestamping resolution is 64 bit
  - Allows beamclock resolution timestamping
  - We do not plan on things of this scale but they exist

- CDB file access is done by specifying a global tag, a 64 bit timestamp, and a domain
  - The global tag and 64 bit timestamp are set using a recoConsts instance
  - The domain is specified in the CDBInterface::getUrl call
  - <https://github.com/sPHENIX-Collaboration/macros/blob/master/CDBTest/TestCDBRead.C>
- New calibrations files need to be added under the sphnxpro account
  - In general users cannot push or commit changes to the CDB through codes they run locally as their own account

- There are instructions for setting up a version that can be edited locally to test writing and retrieving
  - [https://wiki.sphenix.bnl.gov/index.php/Test\\_Setup](https://wiki.sphenix.bnl.gov/index.php/Test_Setup)
- This involves
  - copying the `.json` file for the sPHENIX cdb locally
  - appending a local directory to the read list
  - changing the write directory to the same local directory
  - Changing an environment variable to point to the local `.json` (every login)
- Allows you to verify retrieval works the way you expect