



**COLORADO STATE
UNIVERSITY**

Database updates

Ana Paula Vizcaya for the database group

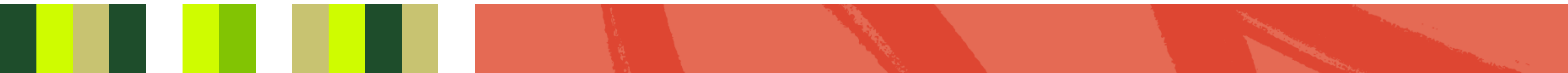
- **Slow control API** is currently **is working** again
 - I created a new CERN VM in Alma9
 - Deployed the slowcontrol rest API
 - **Modified the firewall** to add the API port to the allowed ports
 - Nilay is investigating some of the sensors data to get needed granularity
- **Meet with DAQ group (Pierre Lasorak)**, they are working on python utility to read new XML format of the DAQ config
 - They made a first **utility** that I will try out. But we found out **that it is not working correctly**, there is key info missing so the data can't be extracted.
 - Attended part of **CCM mini-workshop on configuration (DAQ) and discussed** Interface to offline
- In contact with **monitoring group** – (**Matt Siden, Michael Mooney**)
 - They want us to add more slow control sensors to the conditions database
 - **I got in contact with Xavier Pons to get the sensors ID - we need all the sensor names! He refered me to DAQ group for an extraction tool (which is not what we need). We need an expert that knows the sensor names of:** LAr purity corrected e lifetime, wire bias voltage for each plane, etc.

- **Conditions database**

- Created V1.1 list of runs with beam momentum for offline analysis
- **New version v1.2 will be uploaded later today**, it includes
 - Runs since May (first run is 26000)
 - Added HV sensor data
 - Corrected some runs that didn't have end time
 - Flags of bad HV and gain periods
- **Condb2, the API used to interact with the conditions database, is now on spack!**
 - `source /cvmfs/larsoft.opensciencegrid.org/spack-packages/setup-env.sh`
 - `spack load py-condb2@2.1.4`
 - Created a python file as an example of how to look for data, which is not currently on spack, but I plan to include it

- **Tutorial to build a training module**

- I will go through it and create a module for the conditions database



- **Hardware database (Hajime Muramatsu)**
 - New web page, "QuickStart on the Python HWDB Upload Tool" with the training format
 - <https://dune.github.io/computing-HWDB/quickstart/index.html>
- **General database meeting – tomorrow at 10 CT (last of the year)**
 - We will discuss normal updates
 - We are having all projects give their plans for the first few months of CY 2025

Database meeting