



# Online Software: Run 3

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- Not much progress?
- Still plenty to do (and getting more urgent)



# Status and Progress

- Not much software progress since last meeting

- [https://indico.cern.ch/event/567162/contributions/2341435/attachments/1365602/2068566/l1calo\\_1103\\_onlfex.pdf](https://indico.cern.ch/event/567162/contributions/2341435/attachments/1365602/2068566/l1calo_1103_onlfex.pdf)

- Certainly not by me
  - Nothing committed to old SVN or new GitLab for packages that already exist for eFEX, jFEX, FTM or common code
  - So everything in that talk seems to be unchanged
    - Including the "to do" lists
    - Which are now just more urgent

- RAL test rig

- However Norman has got a tdaq-06 system going at RAL
    - But should ideally now move to tdaq-07 for future work
    - We will no longer be maintaining CMT requirements files - only CMake



# Job Descriptions

- I also failed to deliver promised job descriptions
  - Develop SW package in L1Calo framework that configures gFEX for use in TDAQ, loading trigger menu, calibration and any other data from suitable databases; publishes status and monitoring information (eg rates, histograms if relevant)
    - Needs good communication with firmware developers
    - Participation in standalone tests and integration in CERN test lab
    - Timescale probably a few months FTE plus further maintenance for a few years until the system is reliably commissioned
  - Repeat for other modules: eFEX, jFEX, Hub, Rod, FTM.
  - Develop (or integrate existing) simulation in L1Calo online simulation framework. Timescales similar to HW config work
  - Common code also needed: connections database, interface to trigger menu (develop prototype of what we want), etc...