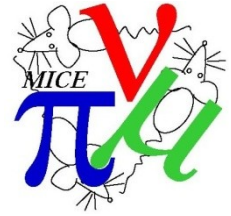


Online Summary

Jean-Sebastien Graulich, Geneva

- o Operations
- o DAQ and trigger
- o Online Monitoring and Reconstruction
- o Controls
- o MLCR



Operations

Strong need to improve

◆ Information sharing

- 2 competing repositories
 - MICO page

Everybody is used to it; Flat structure; Difficult to maintain

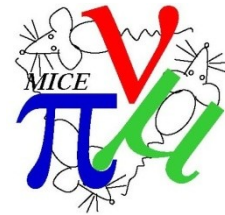
This is our choice: ● MiceMine Project page

Allows tracking issues; collaborative maintenance;
Needs better usability

- Hardcopy in Control room is a must !
 - MOM is responsible to keep it up to date

◆ MOM handover procedure and training

- Including password management
-

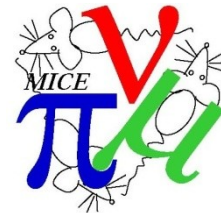


Operations

- ◆ **One Major issue: The power glitch**
 - Has damaged several equipments
 - Everything has to be reviewed with experts
- ◆ **Are we ready to resume data taking ?**
 - We don't know yet ...
 - We agreed that a **check list** should be prepared
BUT someone should be in charge of this and
nobody volunteered
- ◆ **Management action required here**



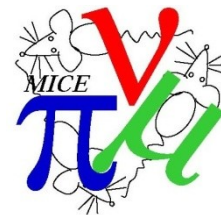
DAQ



- ◆ Little progress since last CM
 - Integration of Tracker has started
 - > David Adey
 - Need to review all equipments after the power glitch
- ◆ Yordan Karadzhov is taking over
 - Now postdoc at University on Geneva
 - His training will start soon on
 - Tracker readout
 - EMR readout
- ◆ No real issues expected here

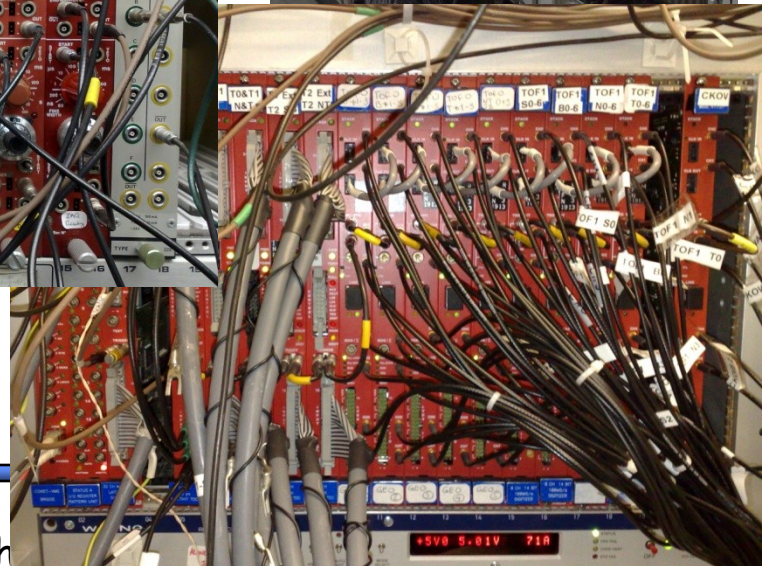
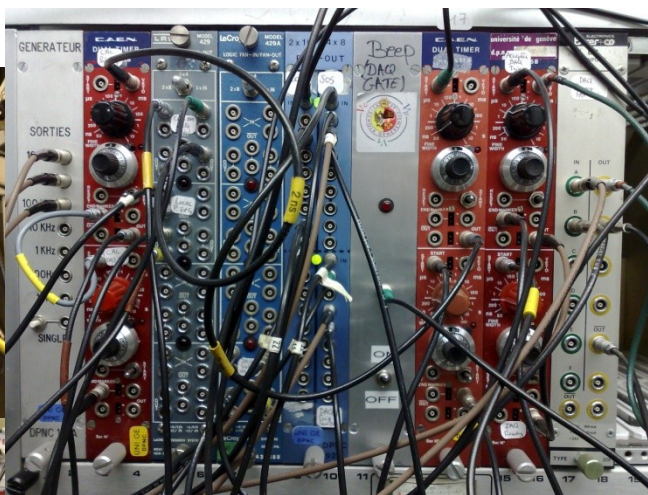
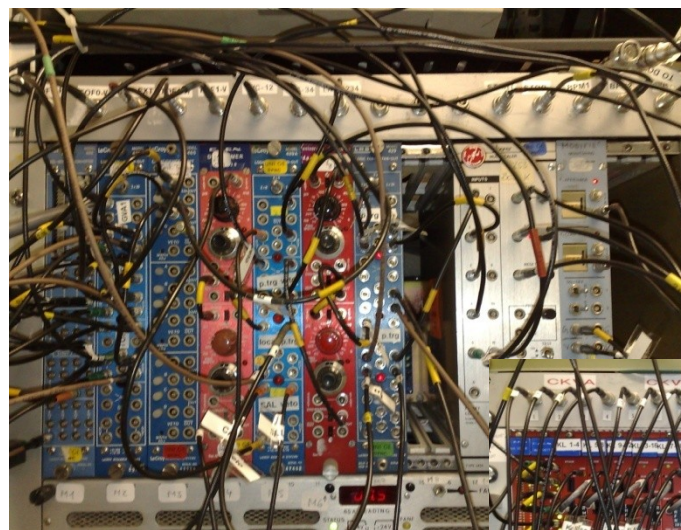


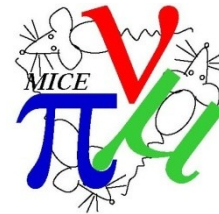
Trigger Handover



◆ This is a serious call for candidate!

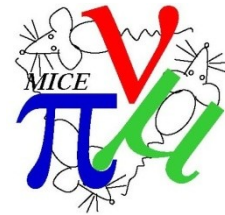
- Yordan has to keep responsibilities in TOF
- We (you) need someone who can deal with this:
- Someone like Paul Smith would be ideal...





Unpacking

- ◆ **Yordan will also take over unpacking software**
 - Need some volunteer for Online Monitoring (ROOT GUI)
 - ◆ **Open issues**
 - Unpacking should be able to read from files
 - Tracker unpacking
 - Quite urgent now
 - EPICS data unpacking
 - Needed to allow online applications to read magnet currents from the data stream
 - EMR unpacking
 - Must happen before June
 - ◆ **This is my first priority**
-

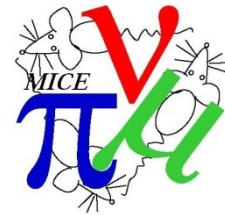


Online Software

- ◆ **Software is being restructured**
 - Online reconstruction will have to follow
 - Not trivial !
- ◆ **Configuration database**
 - Operational !
 - Should completely replace the spreadsheet during data taking
 - All manual entries should be made automatic
 - Target Delay -> OK with new target system
 - Beam Polarity -> OK with Henry's Pompom
 - Trigger condition -> request passed to the TBD trigger expert
 - ISIS frequency -> ?



C&M

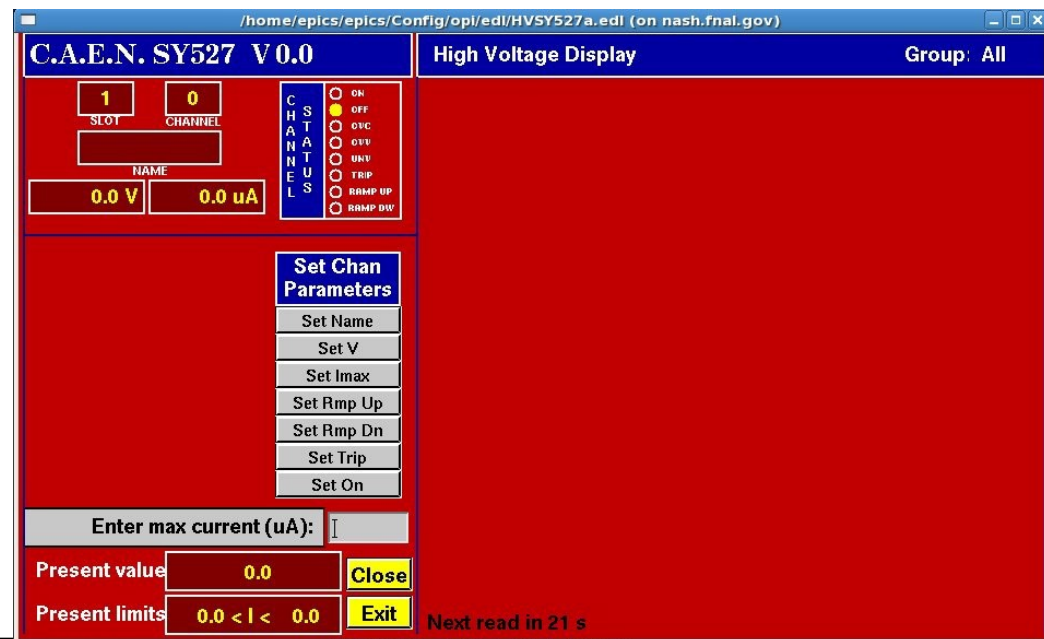


- ◆ DL is in charge of big subsystems
 - SS, AFC, RFCC
- ◆ Pierrick Hanlet is the last and only MICE EPICS expert

- This is not safe !

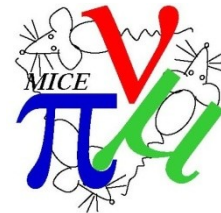
- ◆ **Progress**

- Environment Monitoring
- Proton absorbers Monitoring
- TOF HV Control and Monitoring SY527
- Still reviewing equipments after the glitch





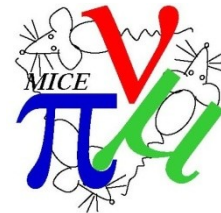
Pierrick's TODO List



- ◆ Install complete TOF/KL HV monitoring
- ◆ Update archiver
- ◆ Remote archive viewer
- ◆ Remote alarm announcements
- ◆ Develop RF tuning control



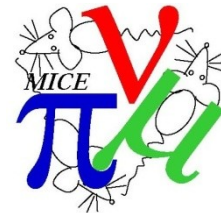
C&M



- ◆ **There is a need for a deep rethinking of the architecture of DAQ and CAM**
 - A unified State Machine should be set up
 - Already pointed out by the reviewers during DAQ and Controls review
 - That's a revolution similar to the G4MICE/MAUS transition
 - Requires real software engineering !
 - Impossible with the current mousepower !



MLCR



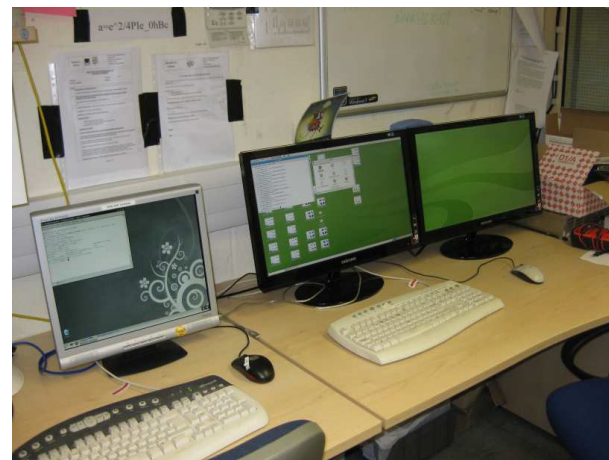
◆ Facilities-Users Network now available !

◆ New KVM system

- Dual screen for Online Reco Machines
- Still short of space in MLCR

◆ Rack room issue

- New ConfigDB server + micestore
-> New server rack installation
- Special deep rack received from PPD
- Where to put it ?
- Should we reshuffle all the Servers ?





MLCR

- ◆ The new rack will replace DAQ-04
- ◆ DAQ-04 will move to the empty slot
- ◆ Will require a new noise survey

