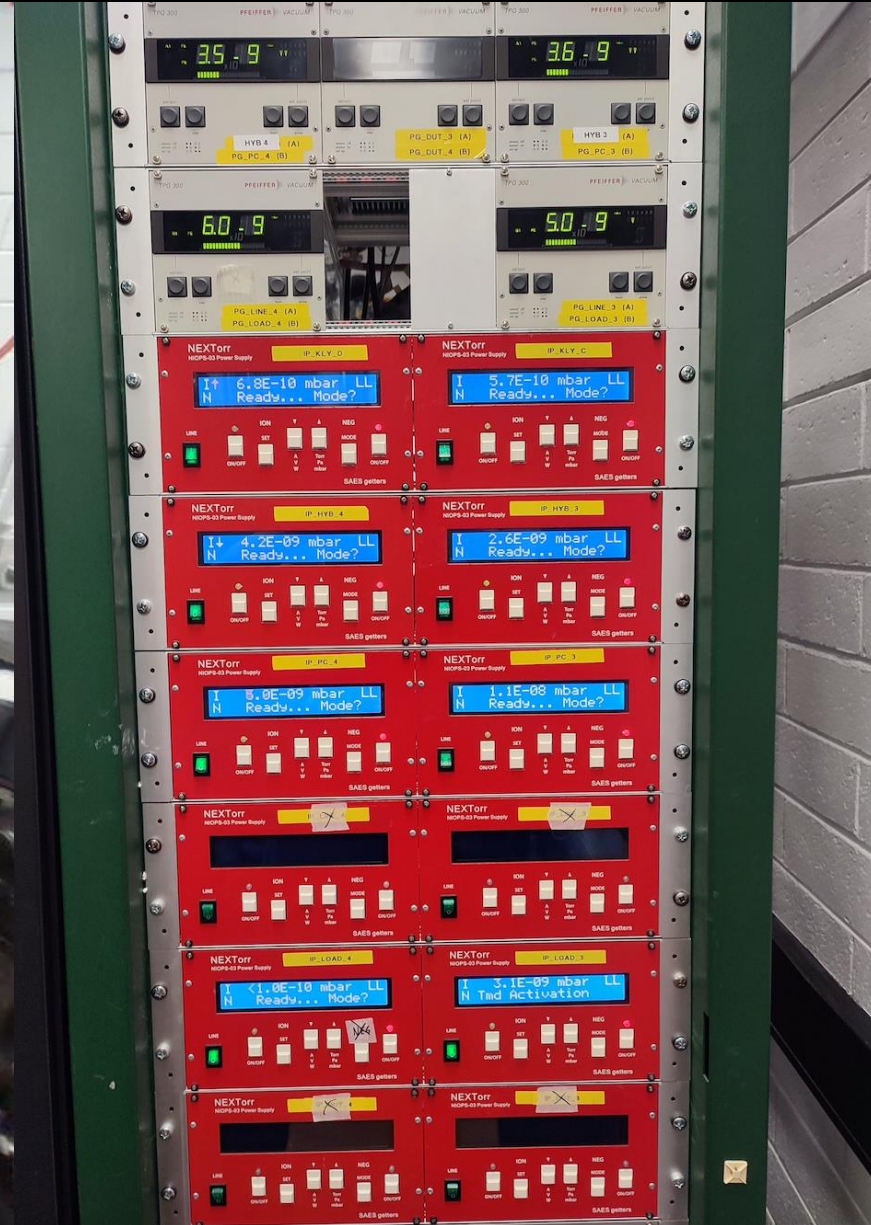
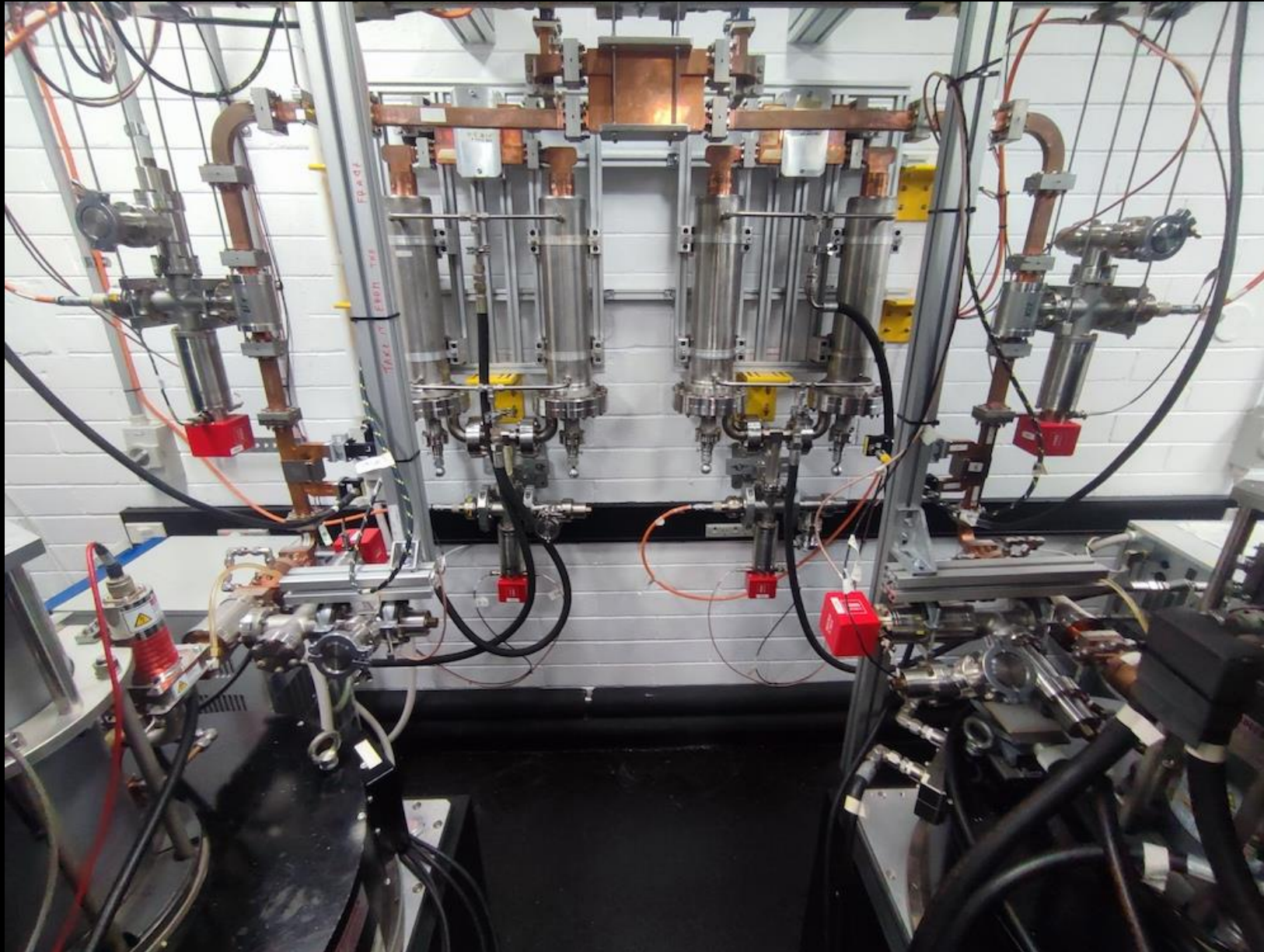


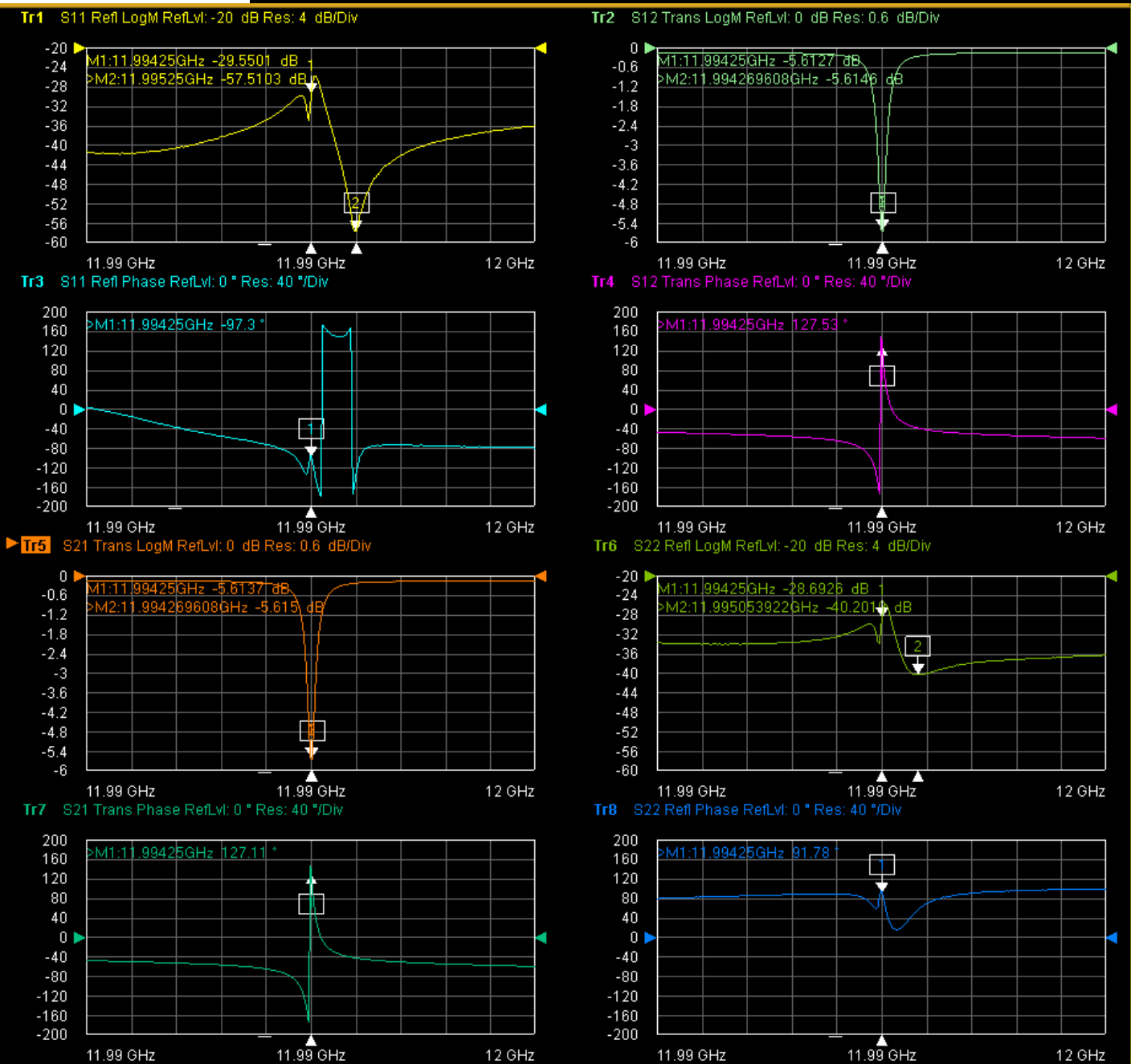
MEL-BOX



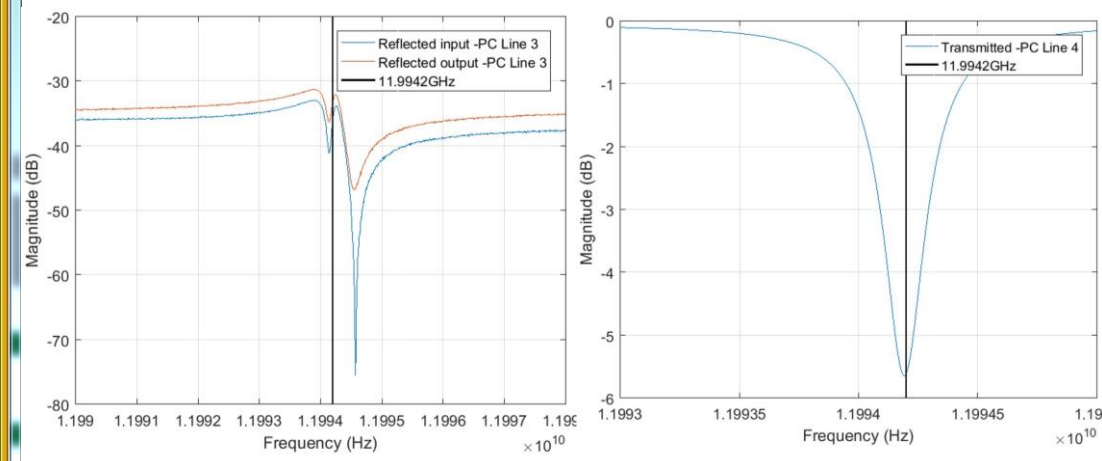
MEL-BOX



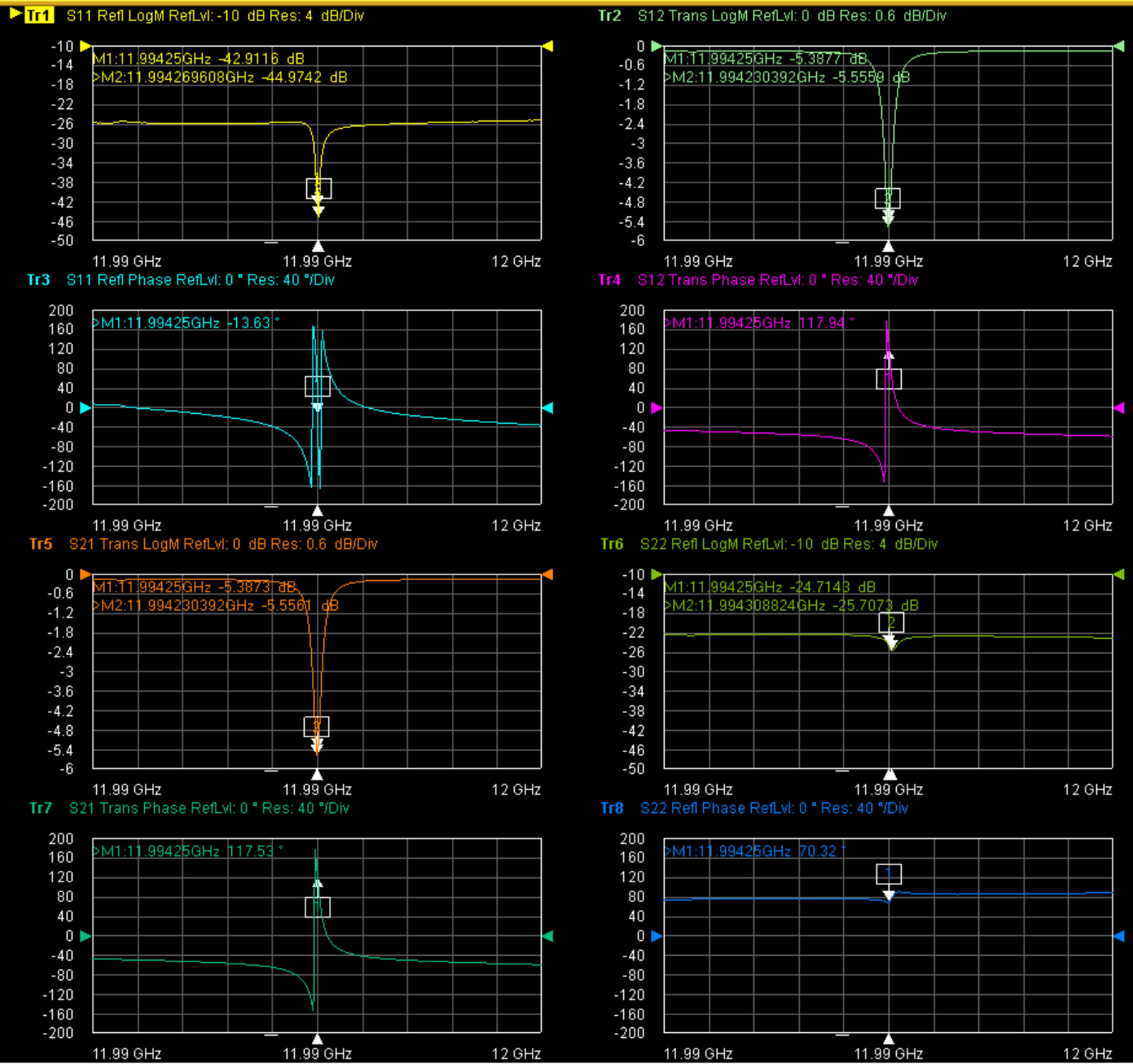
PC line 3 tuning



Melbourne calibration on the same PC
CERN 2017 calibration

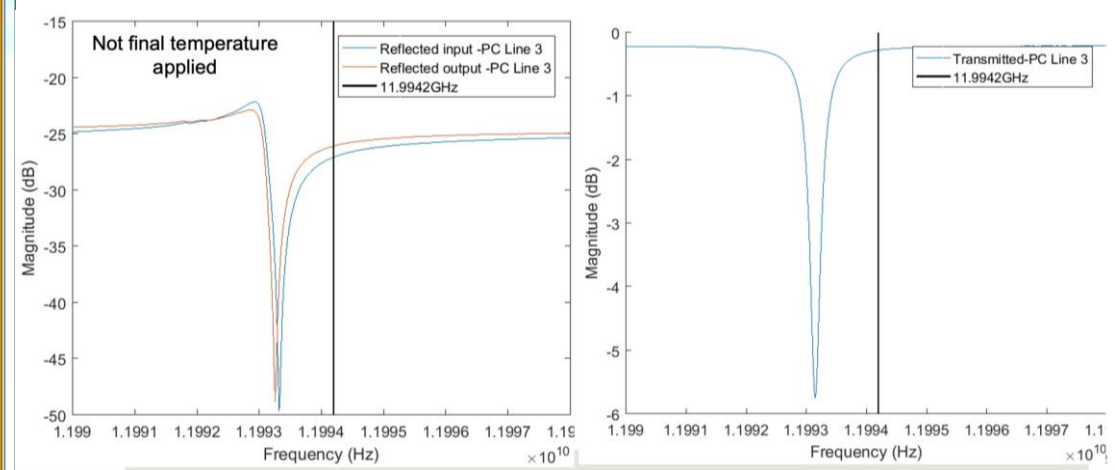


PC line 4 tuning



Melbourne calibration on the same PC

CERN 2017 calibration



CERN – Melbourne database

Context:

- The current control PC is a CERN configured device with a LabView 2014 licence. Currently, it is purposefully disconnected from the internet to ensure updates do not occur.
- As the PC is CERN configured and disconnected from the internet we do not have administrator access to install software or reconfigure the system.
- Attempts to port the LabView control software to a Melbourne University PC with the Melbourne University LabView licence have been unsuccessful. The block appears to be particular libraries specific to LabView 2014 that have not been ported to the latest version of the LabView (the version that we have a licence for at UoM).

Solution:

Our best option going forward would be to move the control PC to a virtual machine (VM), that can be easily ported in the case of a hardware failure. This would enable us to run the XBOX independent of a particular computer and remove a single point of failure. The LabView licence would then be tied to this VM (virtual machine) and therefore independent of the hardware.

Request:

Is it possible for the group at CERN to create a VM version of the XBOX control with

- 1.the correct version of LabView 20XX
- 2.running the latest XBOX control software.
- 3.an 'XBOX' user account with administrative control.

DFS access to write the MEL-BOX data