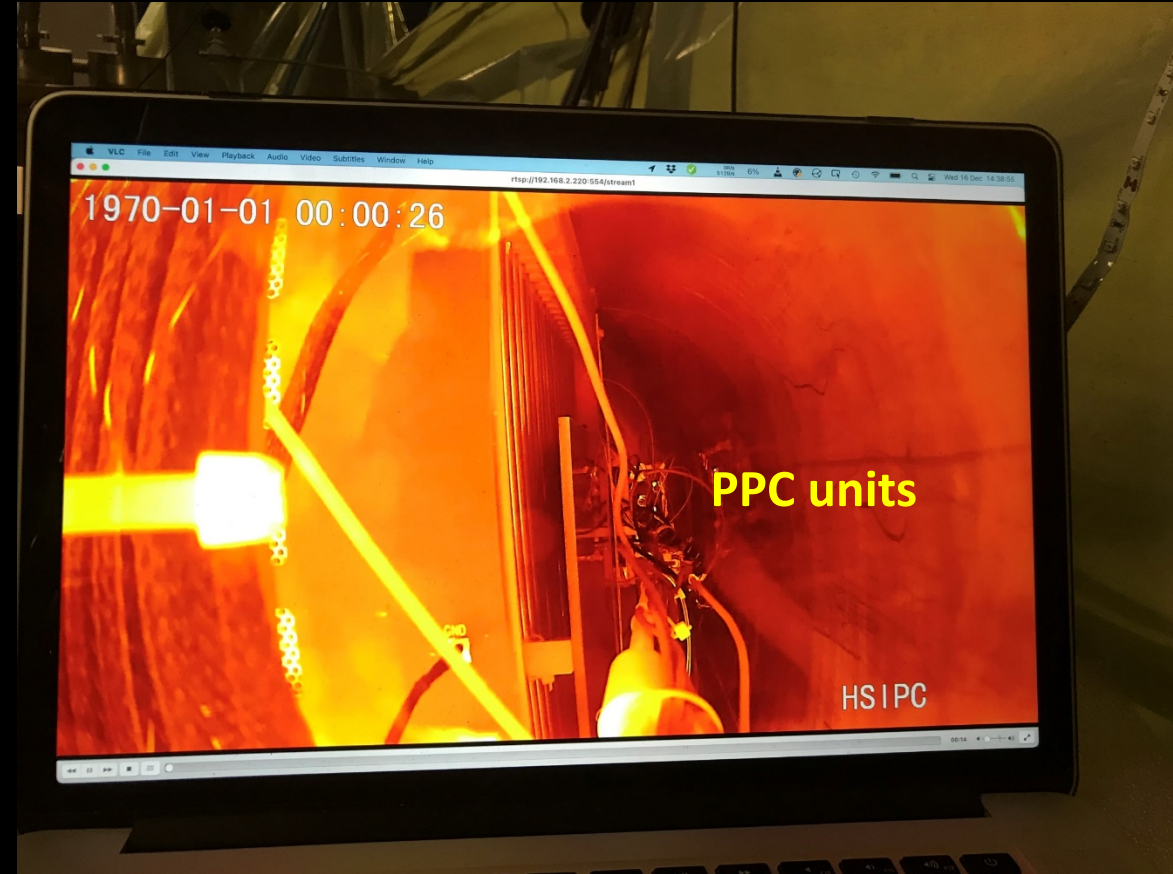
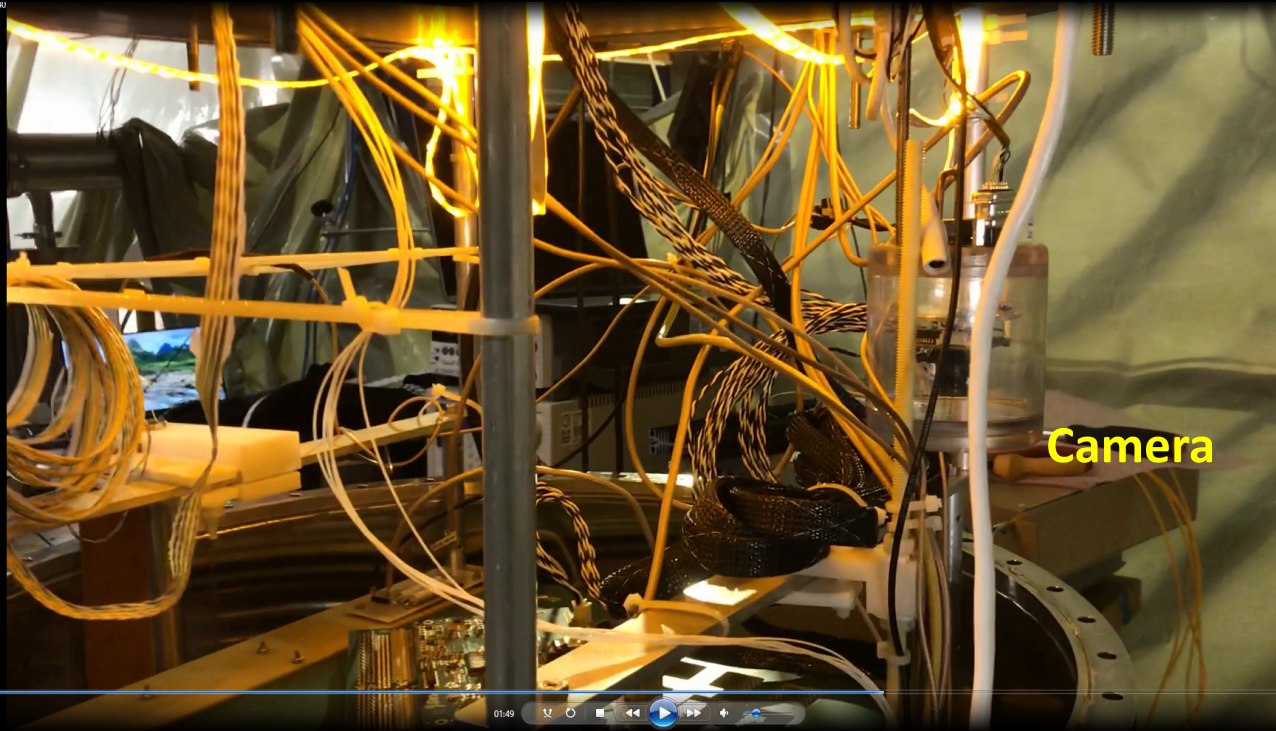


# Preparing for 50L test-II

16-18 December 2020

U.Kose, F. PietroPaolo, S. Tufanli

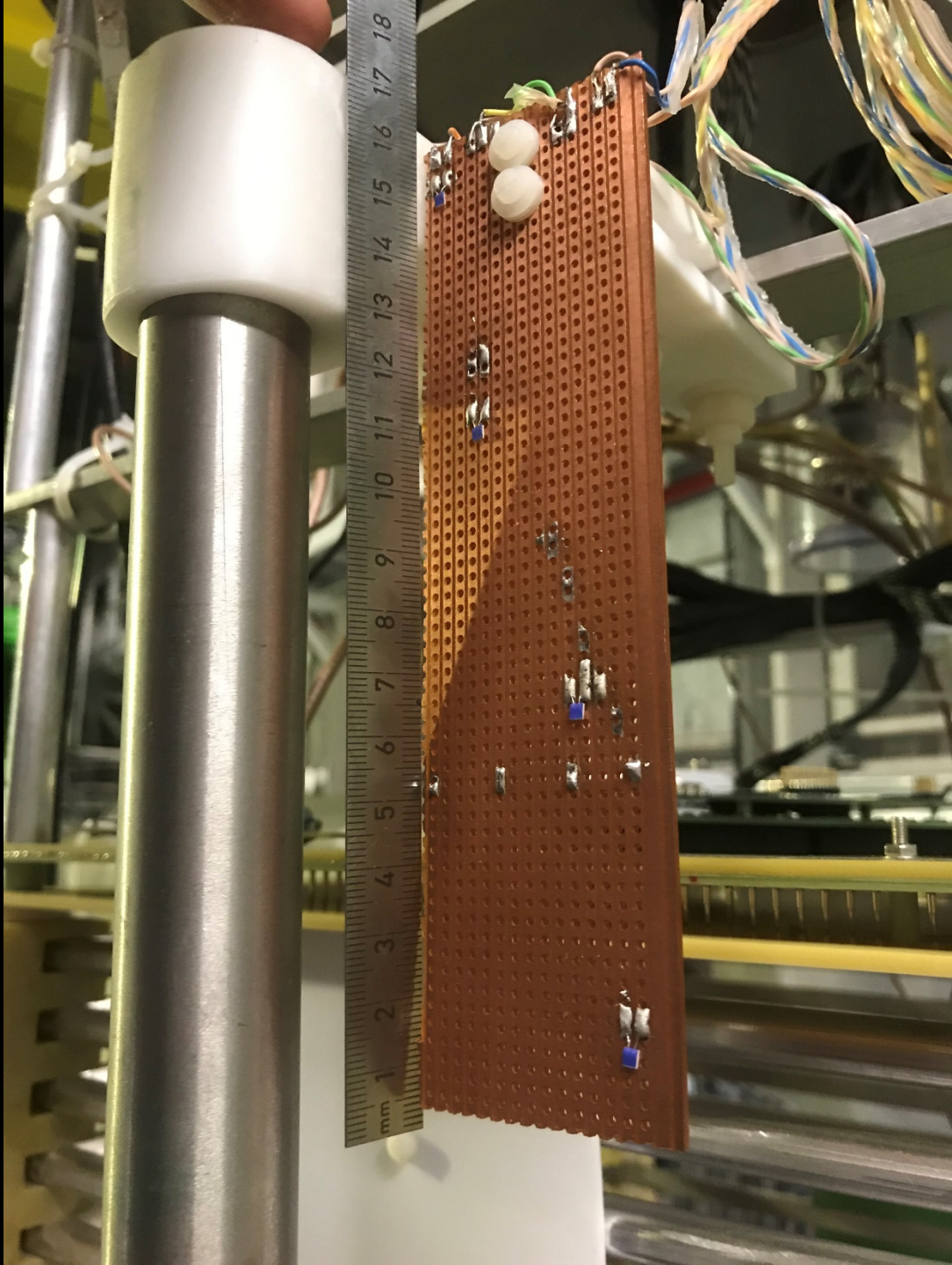
MO\_1140



- UV-like LED strips replaced with yellow-LED strips
- Camera inserted inside the cryostat looking down to PPC units



Temperature sensors  
[distance]



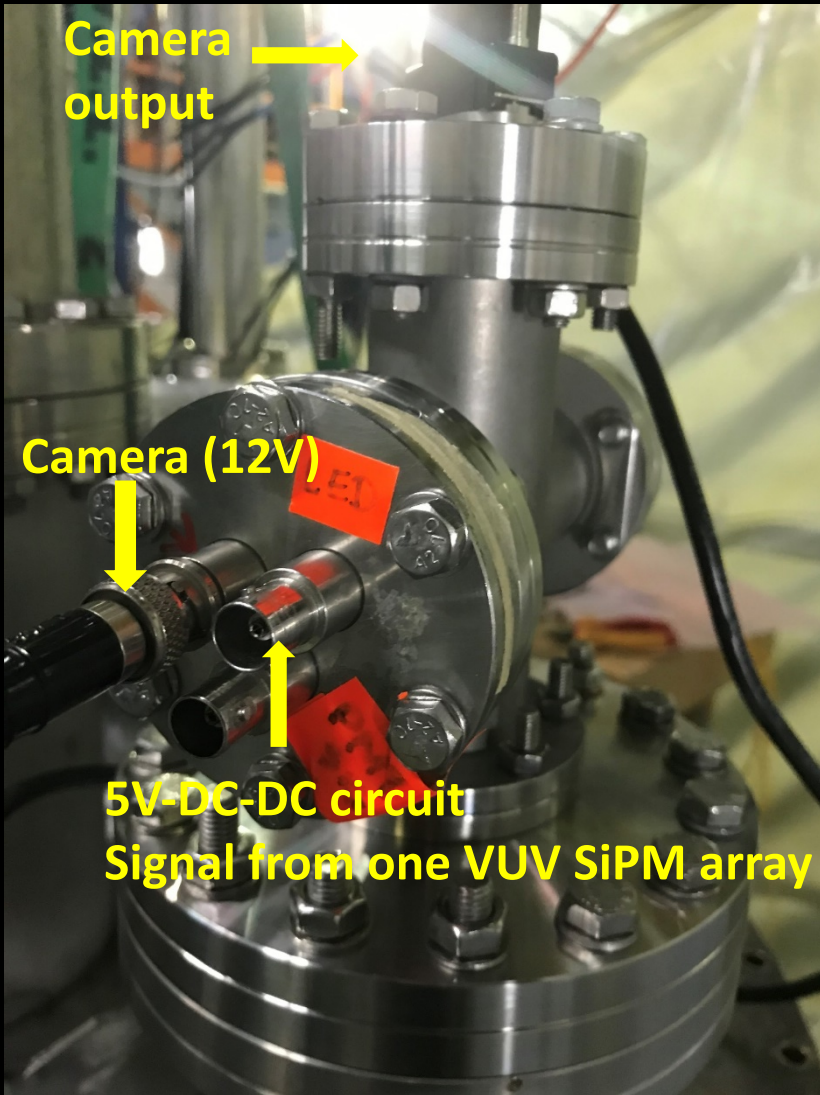


Moving the cryostat





# Flanges:





**December 16:**

- Starting vacuum at 19:25

**December 17:**

- Found leaks on two flanges: fixed!
- Vacuum restarted at 13:00

**December 18:**

- Leak test with He-Leak detectors
- All feedthroughs tight and no leaks
- Cabling done
- Electrical connection checks done

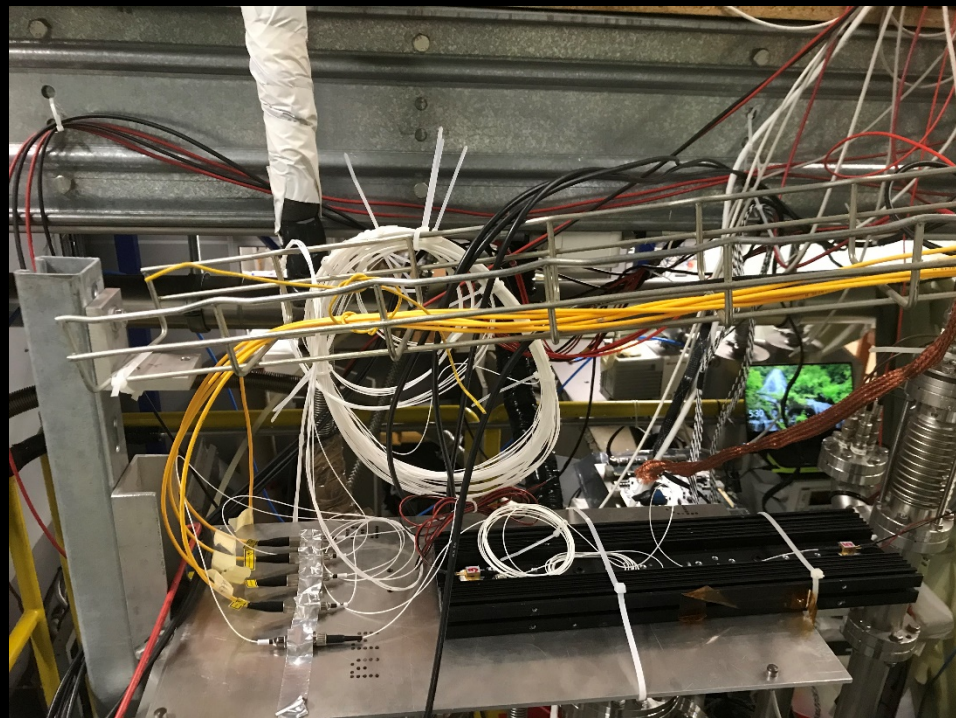


**Keep vacuum running during the weekend!**

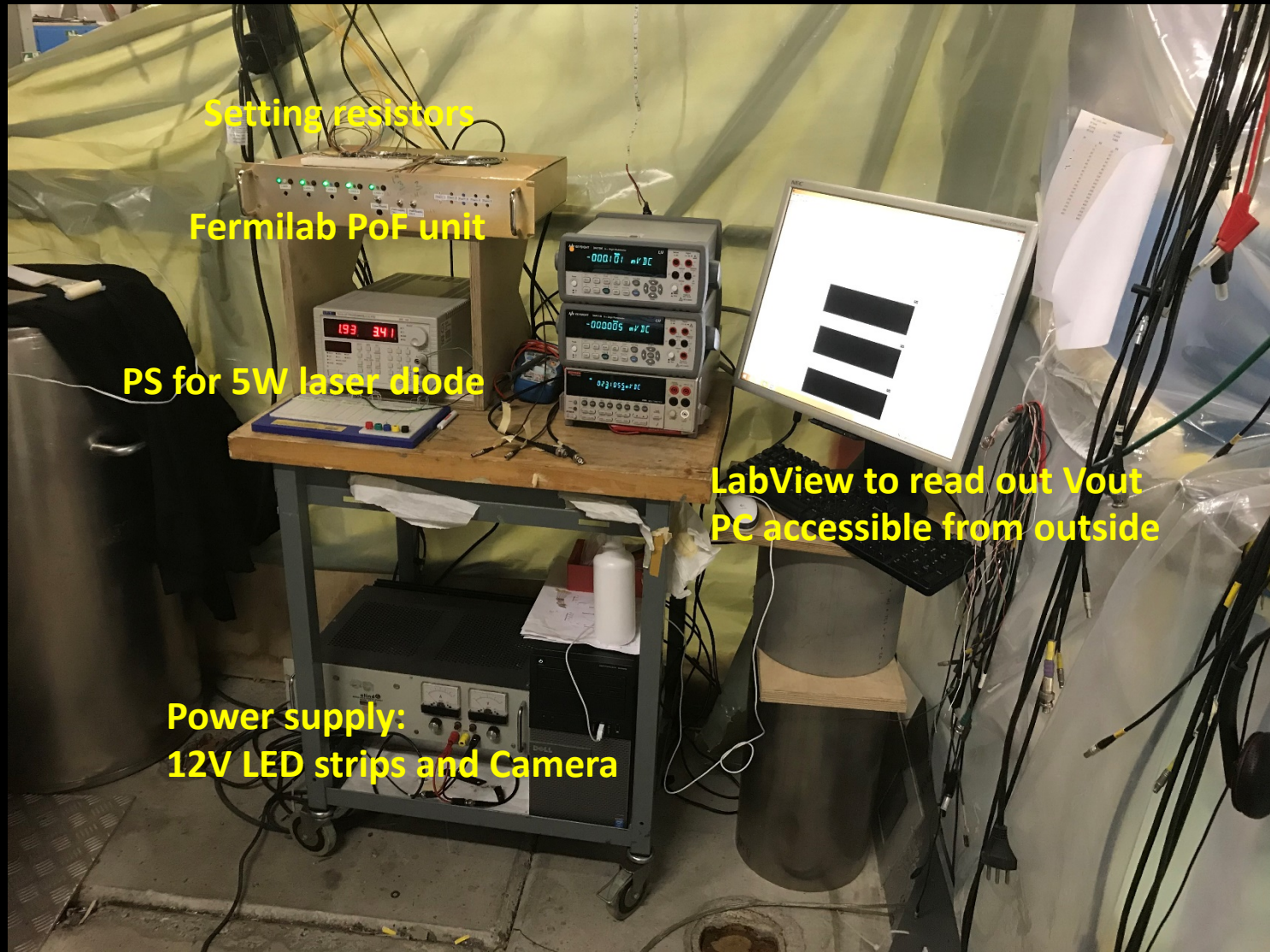




Scintillator slab







Setting resistors

Fermilab PoF unit

PS for 5W laser diode

LabView to read out  $V_{out}$   
PC accessible from outside

Power supply:  
12V LED strips and Camera



# TPC electronics









## Summary:

- **Detector is ready for liquid argon test**
- **We have placed couple of Raspberry-pi cameras around the detector**
- **We set-up a PC with labview to acquire voltage output data from PPC's and DC-DC converters**
- **Two scintillator slabs set for triggers (left and right side of the cryostat, inclined muons)**
- **TPC electronics checked for the noise, everything looks fine**
- **Temperature and pressure sensors are in place**
- **We keep vacuum running during the weekend**
- **Start argon filling on Sunday or Monday morning**

More photos or video in <https://cernbox.cern.ch/index.php/s/fQr2aKsRwSwDtFA>