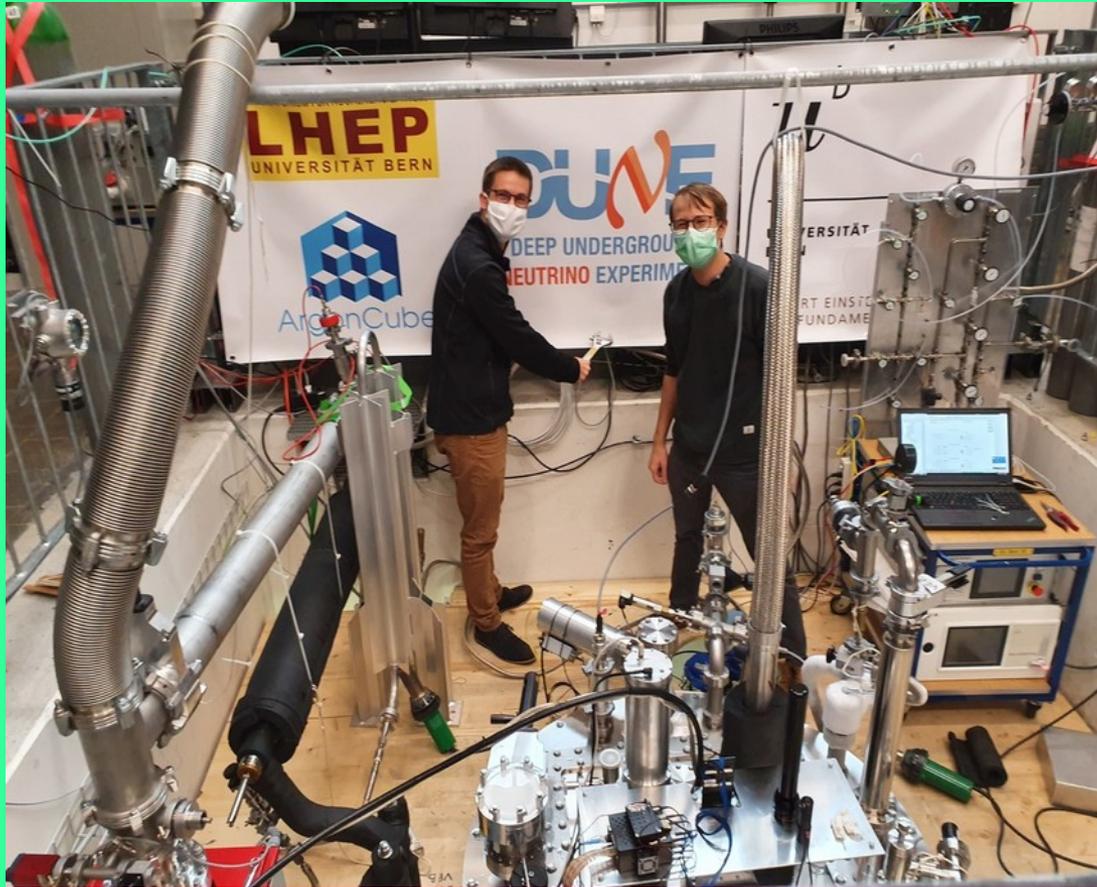


## SingleModule test run preparation Status for March 12, 2021



## Draft timeline (starting from the Cryostat Sealed)

18 Mar - 22 Mar evacuation of the detector, leak fixing

22 Mar - 24 Mar cooldown and filling with LAr

24 Mar - start of DAQ, calibrations, first HV @ 0.25 kV/cm

25 Mar - 29 Mar HV @ 0.5 kV/cm, taking cosmic data

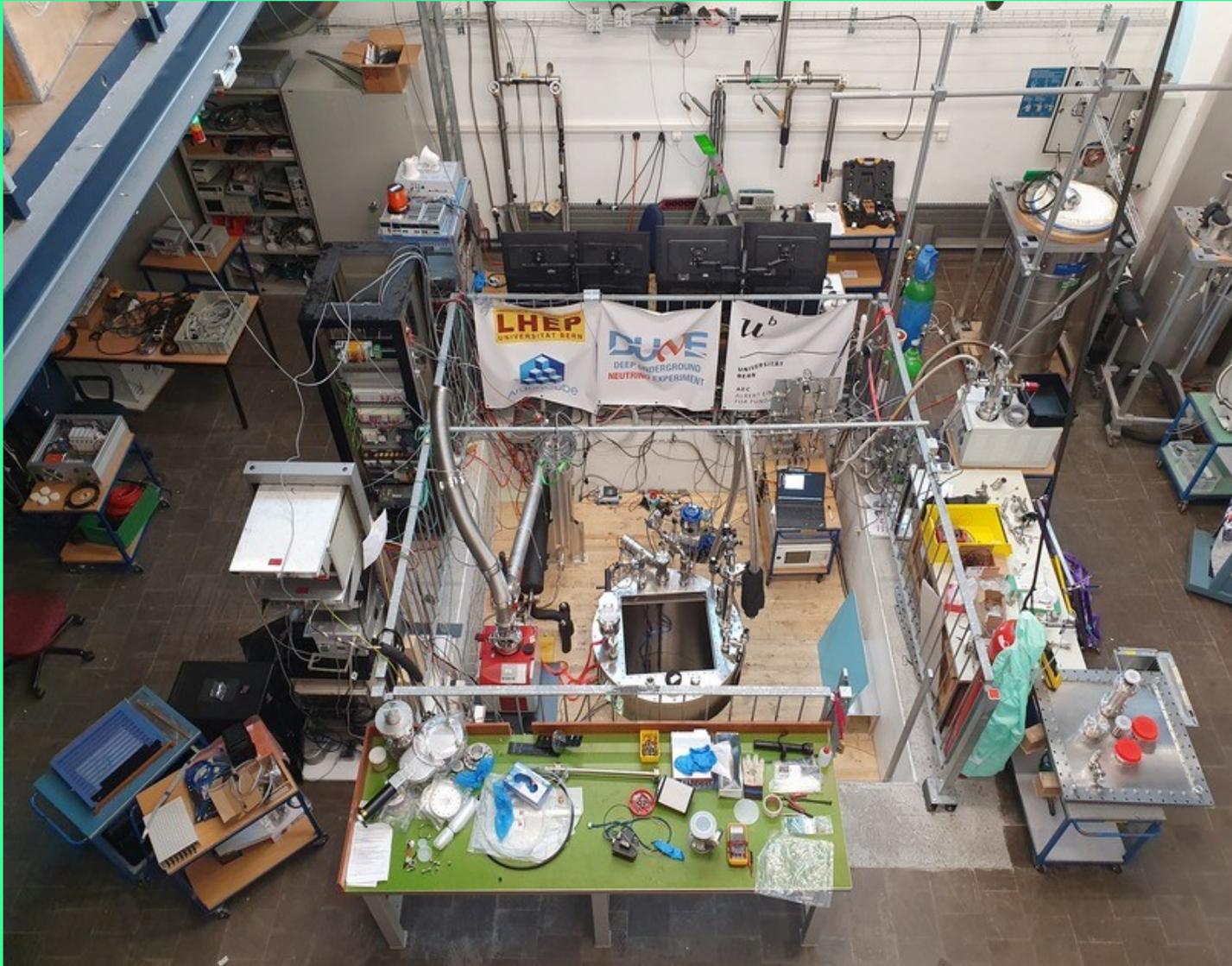
26 Mar HV scan for charge-light anticorrelation study

27 Mar - 30 Mar HV @ 0.5 kV/cm, taking cosmic data

30 Mar - last data run, start emptying detector

2 Apr - Detector is at room T, 24-h shifts are finished.

# Current status Lab arrangement



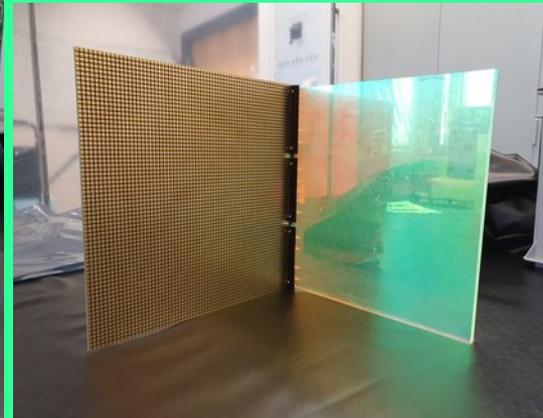
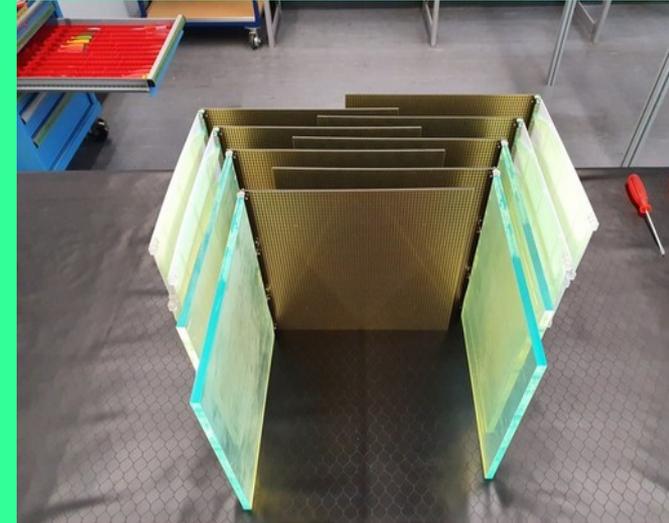
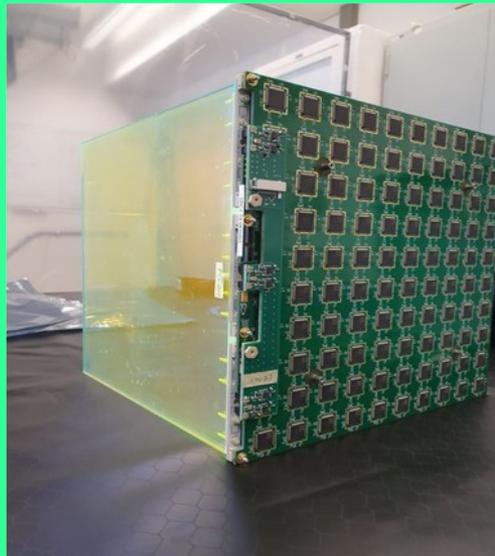
## Current status

### Tiles test stand: tpc1 set (March 1-5)

- Cooling fan for PACMANs installed
- Fixed bad connection at the FT
- Shortened some signals at the FT
- Identified some «bad» cables
- Managed to build Hydra and perform tests
- Tiles 5 & 8 show instabilities -> swapped tiles 5 and 7 (both are at the lower edge now)
- Checkout complete -> module assembly



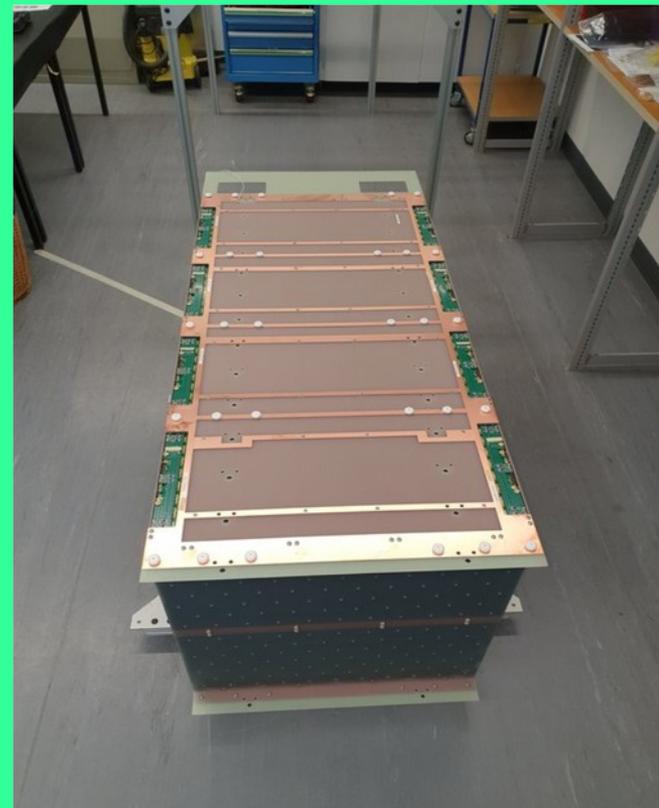
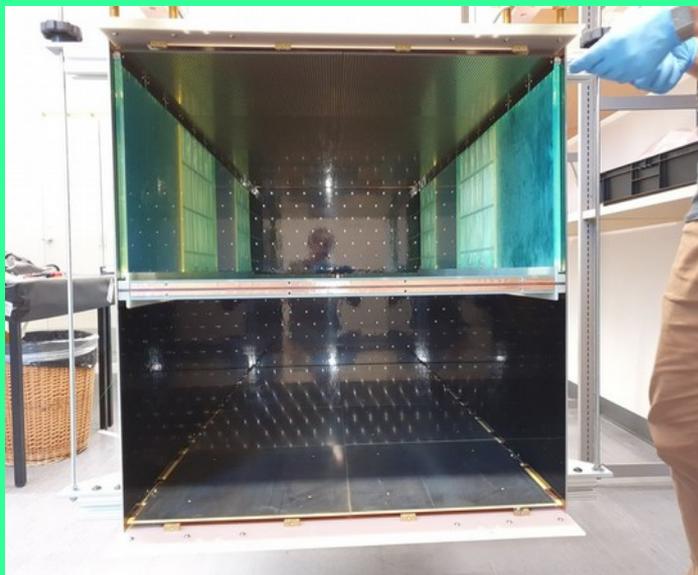
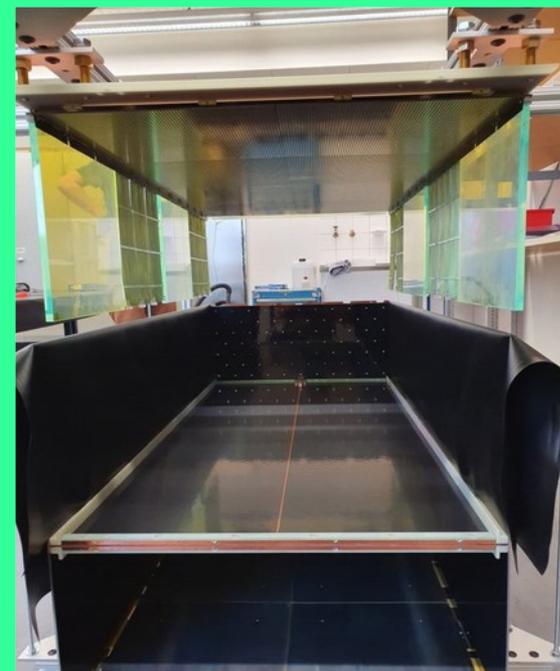
# Current status TPC-1 assembly (March 6-7)



# Current status TPC-1 assembly (March 6-7)



# Current status TPC-1 assembly (March 6-7)



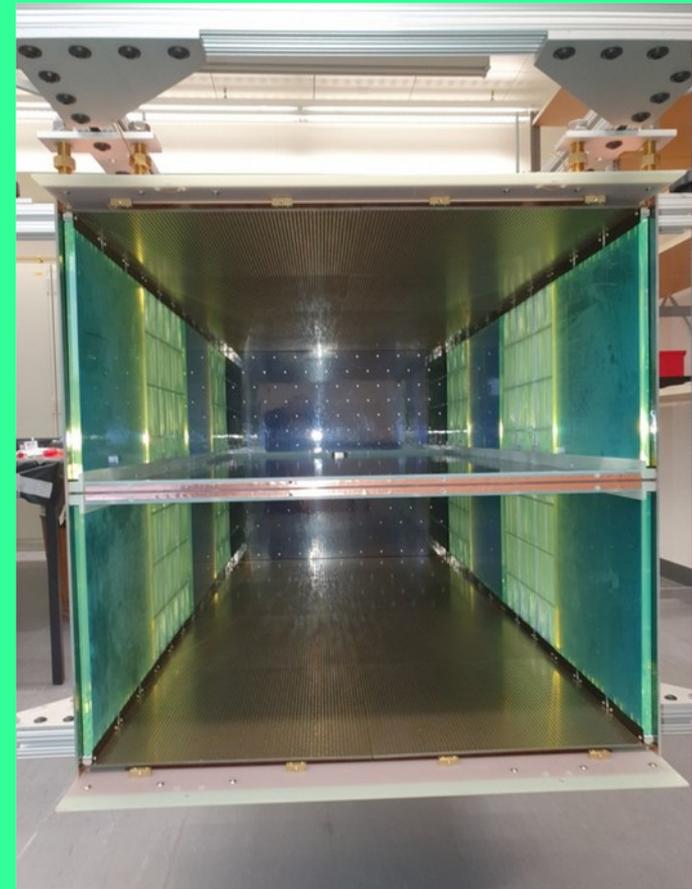
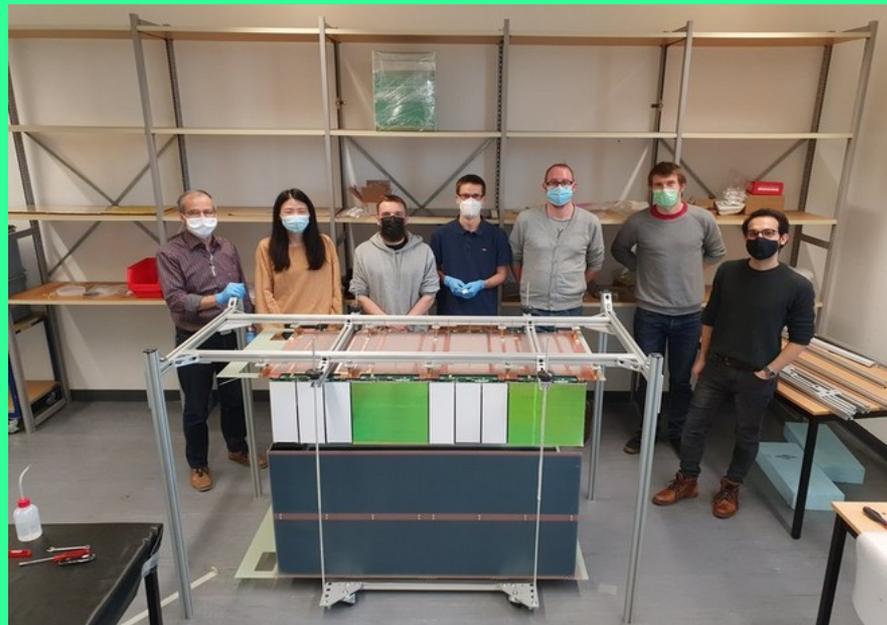
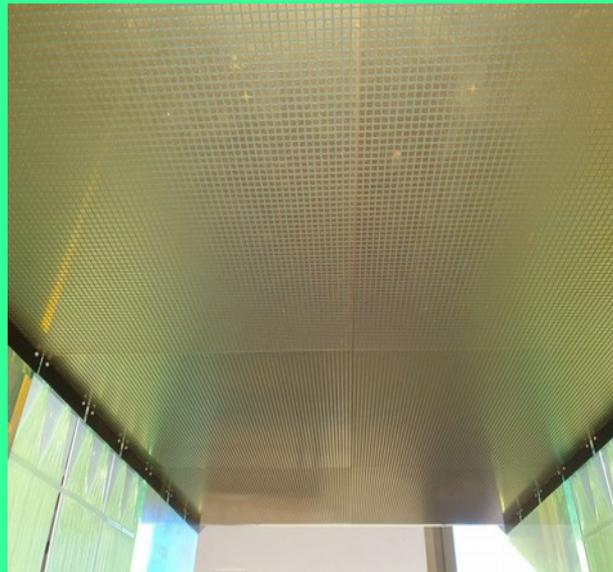
## Current status

### Tiles test stand: tpc2 set (March 6-9)

- Two former «old» cables found to be good!
- The third one found to be wrongly soldered -> replaced with SingleCube one (a bit shorter)
- Managed to build Hydra and perform tests
- Tiles **5 & 8** (!) show instabilities -> swapped tiles 5 and 7 (both are at the lower edge now)
- Checkout complete -> module assembly



# Current status TPC-2 assembly (March 10)



## Current status Module cabling (March 11-12)

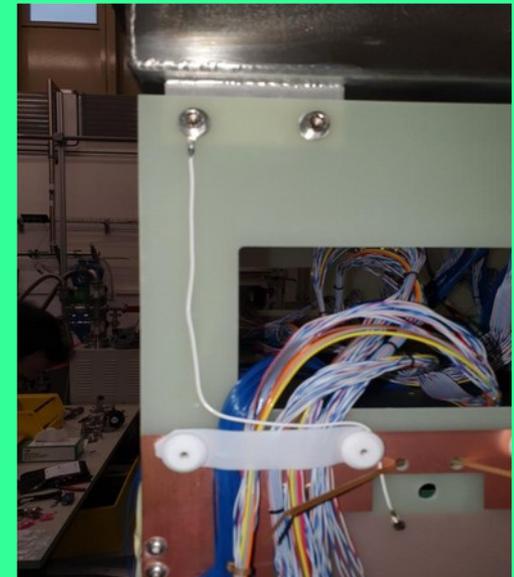
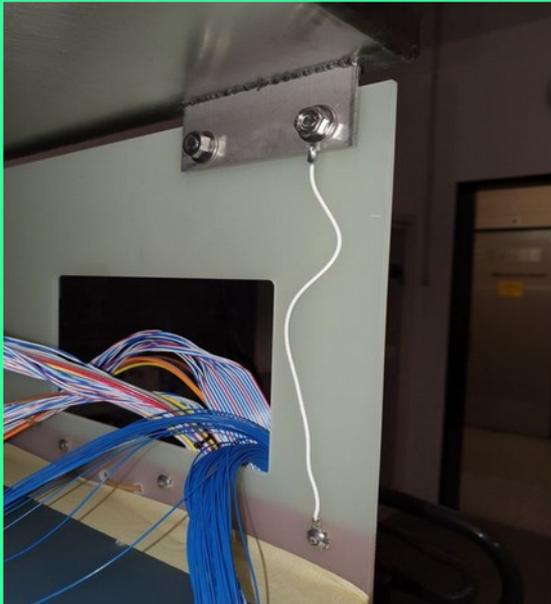
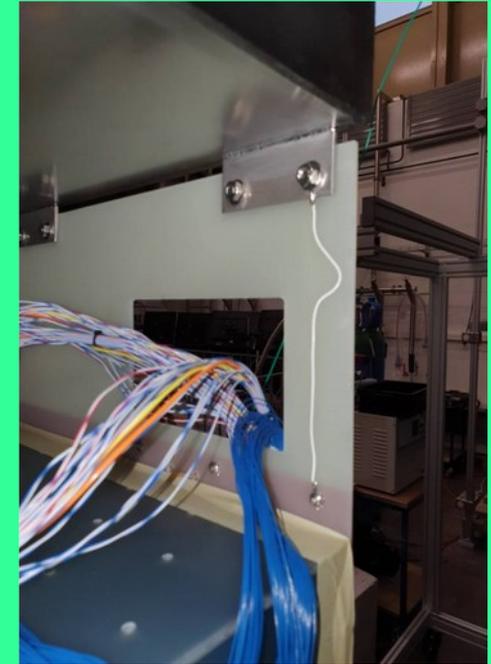
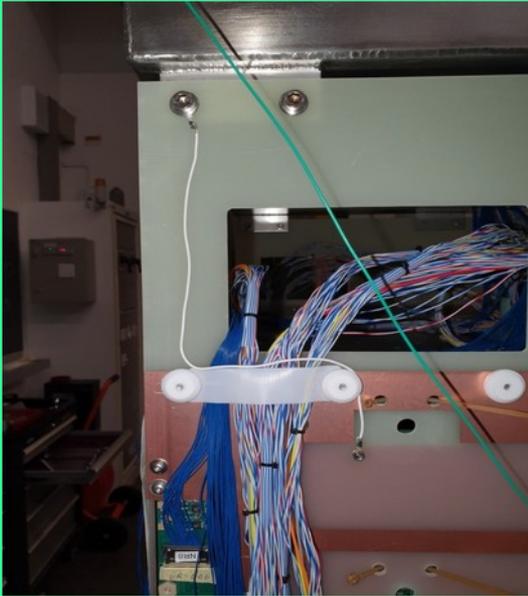


## Current status Module cabling (March 11-12)



## Current status Module grounding

The module is always grounded to our lab detector ground during cabling



## Current status Module cabling (March 11-12)

Slow Control cabling is in progress, plan to finish today.

Next is put the sleeve and lower the module to the cryostat.



## Draft timeline (starting from the Cryostat Sealed)

12 Mar - 20 Mar Warm tests of CRS, LRS, Slow Control

20 Mar - 24 Mar evacuation of the detector, leak fixing

24 Mar - 26 Mar cooldown and filling with LAr

26 Mar - start of DAQ, calibrations, first HV @ 0.25 kV/cm

27 Mar - 28 Mar HV @ 0.5 kV/cm, taking cosmic data + special runs

28 Mar HV scan for charge-light anticorrelation study

29 Mar - 1 Apr HV @ 0.5 kV/cm, taking cosmic data + special runs

1 Apr - last data run, start emptying detector

4 Apr - Detector is at room T, 24-h shifts are finished.

Requests for test program are welcome !