

Week 32 - R&D Activities

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EP-DT
Detector Technologies

LAB256 - RPCs

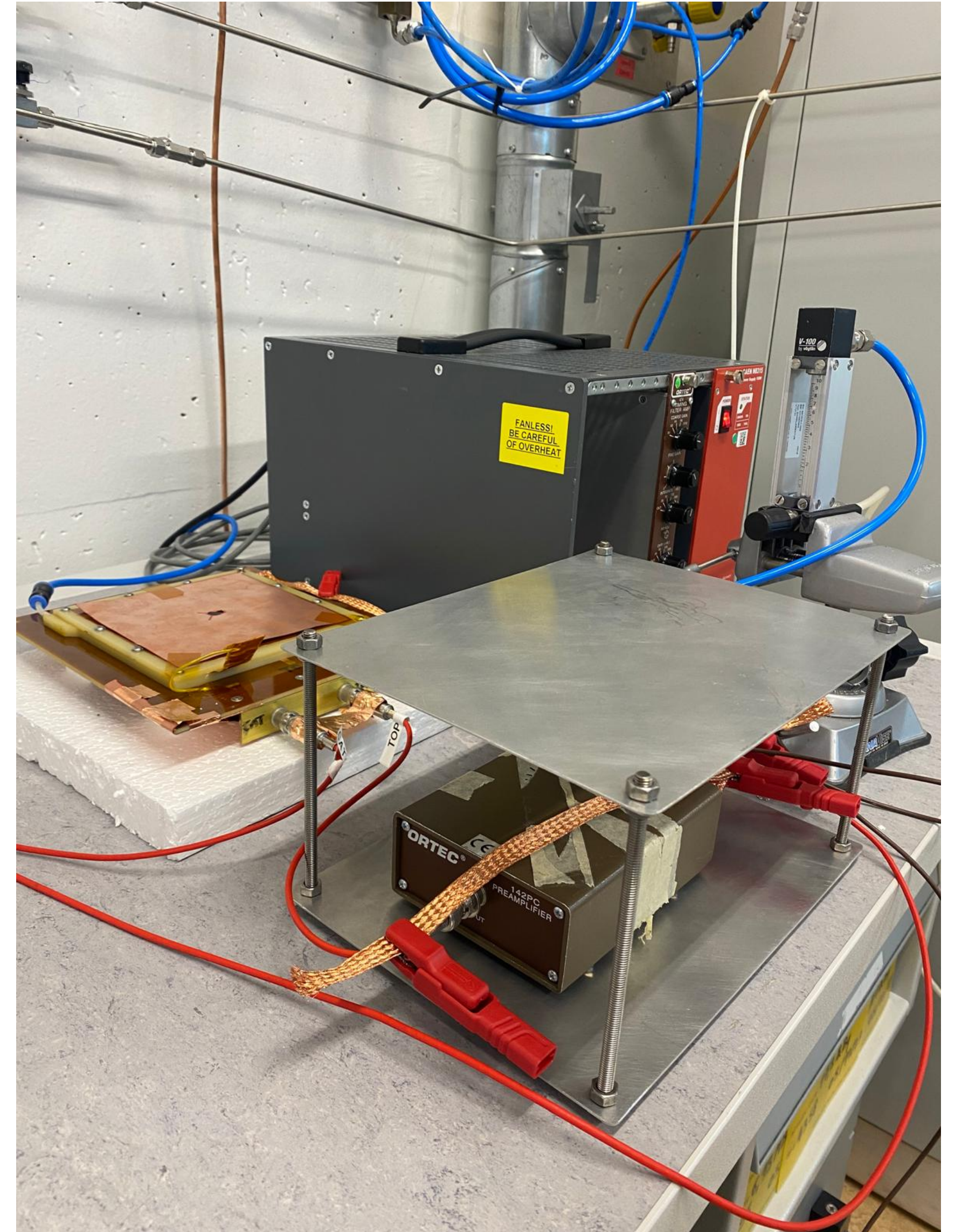
Status

- Aluminum sheets - delivered
- In the CERN Store they have polystyrene sheets that can be cut to size (36.30.90)

LAB256 - uRWELL

Status

- After connecting the input of the mixer to the He line, no leak was found.
- Also, the pressure drop over night was of only ~ 3 mbar, which could be due to the temperature variation \rightarrow the input was probably leaking and there was a small leak through the MFCs.
- Pre-amplifier cage done - Thanks Pieter!
 \rightarrow will add some copper - kapton foil on the sides and around.



GIF++ RPC

Status

- TO DO before the restart of the irradiation:
 - ➔ Re-do the return line of RPCs 19 to be in common with 17 instead of 22, since they have the same gas mixture, being connected to the CMS Mixer
 - ➔ Discuss the weekly checklist
 - ➔ Create a folder in CERNBOX with everything
 - ➔ Install the humidity sensors in the bunker when they arrive
- TO DO before the September Test Beam:
 - ➔ Buy + install a PC at the end of the bunker for the September Test Beam
 - ➔ We need Jonathan to do an SHV connector for the scintillator and also to buy the material for the support of the scintillator
 - ➔ RPC22 to participate in the Sept. Test Beam to find its working point + 19 so we see it in the right position

