

# Weekly Reports - GIF++ Users Meeting

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Meeting : 18.08.2022 - 9h

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## Announcements from GIF++ Coordination

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- issue on the R134a on Fri July 29th and again on Wed August 03rd -> Reported to FOM & EATM.
- issue with SF6 supply. Bottle exchanged but valve left closed. -> Reported to EATM.
- CF4 situation at GIF++ AUG 18th
  - still one bottle in stock with 80 bar + 1 bottle with 40 bar
- R1234ze situation at GIF++ AUG 18th
  - 3 new bottles delivered available + still some others from an old stock (Tbc)

### **Safety:**

- From next week we will try to contact you concerning some safety remarks we should solve it.
- First Aid - SST Initial (workplace first aider)

### **Muon beam 2022 :**

- Version 2.20 of schedule now available.

## Weekly Reports :

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*Please update before or during the meeting !*

### **ATLAS-RPC: (Giulio, Luca, Giorgia, Sinem, Ahmet)**

- No Report

### **ATLAS-MM: (Francesco, Givi, Valerio)**

update dated 18/08/2022:

- **Setup maintenance**
  - nothing to report
- **Weekly plan**
  - we have resumed our aging studies with the ternary gas mixture: Ar/CO<sub>2</sub>/iC<sub>4</sub>H<sub>10</sub> (93%/5%/2%) and standard gas mixture Ar/CO<sub>2</sub> (93%/7%)
  - HV scan / filter scan in recent days; the last HV scan with Att. 10 this afternoon (from 14:00 to 20:00)

## ATLAS-sTGC (for ATL-EIL4) (Luca Moleri, Shikma Bressler):

- request for testing the new type of TGC for the ATLAS-EIL4:
  - requirements:
    - \* photon rate 450 Hz/cm<sup>2</sup>;
    - \* no beam
    - \* 2 chambers (size 160cmx85cm + support frame)
    - \* period: 2 weeks from June 8th

## CMS-CSC: (Katerina)

- Due to some problem with the electronics, we started to take some data only during the second week after the issue was fixed.

## CMS-GEM: (Davide, Viviana)

updated 03/08/2022

Nothing to report, we'll come back to GIF the second week of September

- **Setup maintenance**
- **Weekly Plan**

## ATLAS-sMDT (Elena)

### ATL-sMDT beam time periods:

- week 17 : 25.04 - 03.05 - we operate like a parasite for the updating and debugging of the DAQ and DCS systems (no filter scan request)
- week 20 : 18.05 - 24.05
- week 21 : 25.05 - 31.05
- week 22 : 01.06 - 07.06
- week 28/29 : 13.07 - 26.07
- week 42/43 : 19.10 - 01.11

### Info of the setup for the TB periods:

Current ATLAS-sMDT setup will attend the test beam.

Setup dimension: 1m x 2m x 3m, no extra expansion of the setup planned for TB week 17.

Setup is housing multiple chambers with tube lengths up to 2m.

## ProTOV (Alessandro R.)

- No report this week. Currently off and out of the bunker. Planning to come back in September

## EP-DT2: (Gianluca, Giulia, Stefania)

- We had some issues with one of the chambers so we removed it from the setup and brought it back to the lab to investigate.  
We're still working on it to understand what is the issue.
- We observed higher currents in our chambers at GIF, we're trying to understand what could be the cause.
- We won't join the meeting today.

## **Ecogas: (Mapse, Luca, Gianluca)**

04/08/2022

- Weekly Planning:
  - Irradiation campaign started with ecofriendly gas mixture
  - Source OFF scans taken last night
- Test Beam:
  - Very successful test beam campaign, we tested 3 eco gases (2 for all chambers and 1 for the 1 and 1.6 mm gaps)
  - One chamber moved to old position
  - Detectors flushing with ecogas

## **CMS-iRPC: (Mauricio Thiel)**

- Weekly Planning:

We will move our DAQ system from the preparation area to the lab.
- Test Beam:

Very successful data taking. All the plan was completed, more than 200 runs. The interaction with the other colleagues was easy and helpful.

## **CMS-RPC: (Nikolas)**

Very successful test beam campaign were multiple setups were tested.

Kodel-2D chamber removed

Kodel-C chamber installed

## **CMS-DT: (Lisa)**

- weekly planning:
  - continue irradiation at 2.2

Current minutes by the respective speakers, edited and commented by Martin & Giuseppe.

Minutes from previous meetings can be found attached to the respective Indico page as PDF.