

# Weekly Reports - GIF<sup>+++</sup> Users Meeting

Meeting : 06.02.2025 09h

Present : Katerina K., , Margaret L., Valerio D. Luca Q., Stefania J., Victor P.

## Announcements from GIF<sup>+++</sup> Coordinator

- Source maintenance DONE and source permit signed!  
We can start irradiating whenever we prefer.
  - Overhead crane again operational
  - All the main gases back on Feb. 3rd. Moreover from yesterday we got back also the He main gas line.
- Yesterday we removed the CMS-DT rail at the end of the bunker
- Finally the gif website is again operational <https://gif-irrad.web.cern.ch/>
- IMPACT to be created for this year and safety visit to be requested
- TA Eurolabs
- Gas consumption 2024 (CMS/ATL - RPC, CMS-CSC)

## YETS 2024/25

EHN1 DSO test 24.03.2025 - 25.03.2025

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MATTERMOST channel (gif-users) available

:::info

### Safety:

:::success

New Safety Form (ISD) available [https://ep-th-safety.web.cern.ch/GIF\\_ISD](https://ep-th-safety.web.cern.ch/GIF_ISD)

Safety courses:

- First Aid - SST Initial (workplace first aider)
  - ATEX Habilitation - Level 1 <https://lms.cern.ch/ekp/servlet/ekp?CID=EKP000040032&TX=FORMAT1&BACKTOCATALOG=Y&DECORATEPAGE=N>
  - F-GAS [https://lms.cern.ch/ekp/servlet/FORMAT1?CID=EKP000039939&LANGUAGE\\_TAG=en](https://lms.cern.ch/ekp/servlet/FORMAT1?CID=EKP000039939&LANGUAGE_TAG=en)
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## Weekly Reports :

*Please update before or during the meeting !*

**ATLAS-RPC Module 0: (none)**

- No report

### **ATLAS-RPC-Legacy: (Giulio, Sinem)**

- We need a HV scan for 2-2.5h for different ABS factors(Source off, 3.3, 10, 33)

### **ATLAS-RPC Conditioning: (Alessandro, Eric, Mohamed)**

- The conditioning of the second BI pack started, and it needs 1 week under radiation and at the end of the week an HV scan with different ABS factors.
- In each 2 weeks there will be 1 trolley which includes 24-25 gas gaps.
- Each trolley will stay in the bunker for 1 week.

### **ATLAS-MM: (Valerio)**

- No setups in the bunker
- We will come back with the tilting large trolley equipped with LM2 chamber (large one) for the first test beam
- Would like to enter and be in position 1 week in advance for setting up cabling test DAQ

### **ATLAS-STGC: (Margaret)**

- Trolley in position in the bunker
  - checked under the floor, one additional cable routed and will use extension bundle
- Gas is ON, chiller is ON
  - CO2 only still
  - seeing conflicting monitoring for gas pressure/flow, need to investigate
- safety inspection tomorrow afternoon
- Waiting for longer gas pipes to reroute second, CO2-only gas line

### **CMS-CSC: (Katerina, Victor)**

- irradiation to be resumed on 18.07
- moving ME1/1 closer to the source - next Wednesday (to be confirmed by Valerio)

### **CMS-HGCAL: (Sasha, Elena)**

continuing to stay in the same position at least till next week

### **ATLAS-MPI: (Elena, Giorgia, Francesco, Markus)**

- Request few hours of stop for the R134a and i-butane next week in order to install a new gas system at GIF++ for the test beam;
- Request of open the floor in the downstream area in order to install 3 HV cables (after the test beam)
- Installation of a new small set-up in the downstream area to perform the RPC aging test (after the test beam)

### **EP-DT2: (Mattia, Stefania)**

**29.01.2025**

- everything is off, we will wait for the restart of the systems;

*For Katerina:*

- we can calibrate the MFC when the calibration station return from its calibration -> end of Feb./March

## **Ecogas: (Luca)**

**06/02/2025**

### **System status**

- System back ON after AUG test
- Currently flushing Ar:
  - Resistivity measurement
  - Check the possibility of some gases leaking through the MFC with the GC (thanks Mattia and Maria Cristina!)
- ISD safety visit requested just now

### **Access requests**

- We would like to have source-off today and tomorrow

## **ATLAS-TGC: (Giannis)**

- for the moment, data taking to be resumed in September/October

## **CMS-RPC: (João, Dayron)**

- Detectors OFF

<https://indico.cern.ch/event/1360529/attachments/2790291/4865861/Gas%20User's%20meeting%2030Jan-2024.pdf>

- DRD1 CM

<https://indico.cern.ch/event/1360282/timetable/>

- Recuperation systems for fluorinated gas at the CERN LHC Experiments

<https://indico.cern.ch/event/1386095/>