

Weekly Reports - GIF⁺⁺⁺ Users Meeting

Meeting : 30.01.2025 09h

Present :Katerina K., , Margaret L., Valerio D. Luca Q., Joao P., Katherine M.

Announcements from GIF⁺⁺⁺ Coordinator

- Source maintenance DONE and source permit signed!
We can start irradiating whenever we prefer.
 - Overhead crane again operational
 - In principle all the main gases available from Feb. 3rd. Yesterday an X-ray scan has been repeated for checking the soldering on all the new pipes.
- 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
- Work on gas lines still on going and should be finised as excepected on Feb. 3rd
 - today Jan.23rd there will be the pressure test of all the main lines, except the neutral onces
- TA Eurolabs
- Gas consumption 2024 (CMS/ATL - RPC, CMS-CSC)

YETS 2024/25

- Test N/S (Diesel generators):
08.01.2025 from 06:00am to 06:10am (DONE)
- No access to EHN1:
AUG test 15.01.2025, 17.01.2025 --> DONE no other power cuts scheduled for this year.

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

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

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)

- Hanging trolley moved out of the bunker to be transported to BB5, TREC done
- We will come back with the tilting trolley for the first test beam

ATLAS-sTGC: (Margaret)

- Trolley with STG in preparation area - ready to move in (?)
- Gas is OFF, chiller is OFF
- hoping to do some re-cabling then to support a second chamber
 - found a bundle that could be used with extensions (found extensions)
- Idea to route second gas line - CO2 only - to setup, need longer gas pipes though

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)

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- 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)

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System status

- System back ON after AUG tests
 - All is ok except for a power strip inside the bunker, any news on this?
- Currently flushing N2 through our own humidifier
- Slight suspect of a small leak, will be investigated next week

Access requests

- Source-off Thu/Fri (6th-7th Feb) next week for a few hours each day

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/>