

Weekly Reports - GIF⁺⁺ Users Meeting

Meeting : 02.05.2024 - 09h

Present : Stefania J., Joao P., Valerio D., Victor P., Katerina K., Giuseppe P., P. Martinengo

Announcements from GIF⁺⁺ Coordination

- NA64e main users till June 19th of the H4 beam line. Access to GIF⁺⁺ now possible anytime, due to the change done in the safety elements.
- Gas detection system maintenance on May 29th

Please keep the door of the preparation area closed
MATTERMOST channel (gif-users) available
if there aren't objections, I will add all users to the team
Room 892 1/B09 booked
Resume in-person meeting (NOT MANDATORY)

NO MEETING NEXT WEEK (May 9th)

Please contact Giuseppe and/or Paolo in case of urgent matters to be discussed

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Muon Beam Requests 2024 : 11 setups

ATLAS - sMPI 3 x 2 Weeks
ATLAS - MPI RPC 3 x 2 Weeks
ATLAS - LEGACY 3 x 2 Weeks
ATLAS - PHASE 2 3 x 2 Weeks
ATLAS NSW MM (2x) 1 x 2 Weeks
ATLAS - sTGC parasitic user for the whole beam period
CMS - CSC (3x) 3 x 2 Weeks
CMS - GEM 2 x 3 Weeks
CMS - RPC (2x) 4 x 2 Weeks
EP-DT2 3 x 2 Weeks
RPC ECOgas 3 x 2 Weeks

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YETS 2023/24

- Consolidation of chilled water piping in EHN1

- Chilled water stopped : 1st November - 22nd March (19 weeks). Scaffolding dismantling by end of March. We are backed up from an external chiller

Safety:

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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
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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 will start in February.
- 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)

- Setups back in standard position and under irradiation
- Plan to move the small false-floor trolley out of the bunker on 15th May -> to be delivered to BB5

CMS-CSC: (Katerina, Victor)

- irradiation ongoing from 21.02

CMS-HGCAL: (Sasha, Elena)

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

- no report

EP-DT2: (Mattia, Stefania)

02.05.2024

- Our new humidifier is ready, so we want to install it today/tomorrow.

Requests

- Source Off in the afternoon for an Argon scan for the ECOGAS detector - 3/4 hours.

Ecogas: (Luca)

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Test beam

- Test beam campaign successful for all setups involved, analysis is now ongoing
- We tested three mixtures: STD, ECO2 (35/60 HFO/CO2) and ECO3 (25/69 HFO/CO2)
- Main results:
 - CMS RE11: test of performance after aging using FEB+TDCs for readout in double and single gap mode
 - CMS KODEL-H: test of performance after aging using FEB+TDCs for readout in double and single gap mode
 - ALICE:
 - test of old chamber with inefficiency holes with beam + source with FEB+TDCs + study of signal shape with digitizer after aging
 - test of a brand new chamber with FEB+TDCs and included in aging now
 - EPDT: test of RPC performance after aging with digitizer

Plans

- Switched the system to Argon to perform resistivity measurements

Access requests

- Could have source off today since yesterday we didn't have any?

ATLAS-TGC: (Giannis)

- Nothing to report

CMS-RPC: (João, Dayron)

- Longevity in T1 resumed
- Longevity for CO2 almost ready to resume
- iRPC chambers OFF for now

****- AoB** **

- Installation new gas supply lines from 909
- Gas supply presentation

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