

Weekly Reports - GIF++ Users Meeting

Meeting : 23.06.2022 - 9h

Announcements from GIF++ Coordination

***- CEDAR pressure test on TUE 28/06 from 17h30 to 19h30 --> no access to the EHN1 via the main door Saleve side. More info in the detailed pdf attached to the indico ***

- Swap of the iC4H10 between the 907 & 909 (original place for the isobutane GIF++ supply line). The best date would be WED June 15th. DONE on WED 15th. No problems reported so far
- July 06th maintenance gas detection system -> in principle there will be no gas stop during the maintenance. It could be that the EV of the isobutane will be triggered.
- new storage area ready, just under the control room -> please start to request permission ---> 0887-R-R86 CAGE-GIF++ (ATLAS-ALICE groups)
- Gas tent now open.
- CF4 situation at GIF++ JUN 15th
 - 20 bars(g) used since January 1st
 - still in stock 1 bottle with 80 bars + 1 bottle with 70 bars
- R1234ze situation at GIF++ JUN 22nd
 - 6 bottles available

Muon beam 2022 :

- Version 1.01 of schedule now available.
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Weekly Reports :

Please update before or during the meeting !

ATLAS-RPC: (Luca, Giorgia, Sinem, Ahmet)

- Not participated.

ATLAS-MM: (Francesco, Givi, Valerio)

update dated 23/06/2022:

- **Setup maintenance**
 - Saturday 18th June, we moved our trolley (on the false floor) to allow the GEM team to install their setup;

- In order to move the trolley, we had to disconnect some signal cables, LV, as well as the cooling hoses
 - currently, these services are not required for the continuation of aging studies and therefore will be reconnected close to the next test beam when our trolley will be in the new running position.
- At the end of the GEM intervention, we moved the trolley back to its original irradiation position for aging studies (slightly to the right of the irradiator, 1m from the source).
- Currently, all our chambers both the trolley on the false floor and on the hanging trolley are switched ON

- **Weekly plan**

- continuation of aging studies with Ar/CO₂/iC₄H₁₀ gas mixture for hanging trolley.

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/cm²;
 - * no beam
 - * 2 chambers (size 160cmx85cm + support frame)
 - * period: 2 weeks from June 8th

CMS-CSC: (Katerina)

- Purifier replacement hopefully today 6:30 pm. Then several days purging + source ON test at the irradiation position. Then (if everything is ok) moving chamber to the TB position (Su or We).

CMS-GEM: (Davide, Michele, Ashok)

updated 23/06/2022

Slot for test beam: 13/07-27/7

- **Setup maintenance**

- Setup back to previous position old issues solved data taking back to normal

- **Weekly Plan**

- Filter scans on friday morning

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

- No report this week. Currently off.
Need to find a new space for trolley.
Planned for next Wednesday.

EP-DT2: (Gianluca)

- Start of irradiation campaign
- Preparation for July test beam

Ecogas: (Mapse, Luca, Gianluca)

- Weekly Planning:
 - Argon tests done
 - Switched back to HFO-based gas mixture
- Test Beam:
 - Preparation for July test beam

CMS-RPC: (Ece)

- Weekly Planning:
- Test Beam:
very successful data taking.

CMS-DT: (Lisa, Daniele)

- weekly report:
 - Off last week waiting for filter 2.2 Upstream, switched on just last night
 - weekly planning:
 - continue irradiation at 2.2 (investigating also an increase of currents observed from the end of April that seems not related to gas)
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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.