

Weekly Reports - GIF++ Users Meeting

Meeting : 30.06.2022 - 9h

Davide F., Francesco F. Katerina K., Lisa B., Luca Q., Giulia G.

Announcements from GIF++ Coordination

***- CEDAR pressure test on TUE 28/06 from 17h30 to 19h30 --> DONE

- 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. Moreover on Monday 27th the EV system put in place for this modification has been completely disconnected but stays as spare in case of need.
- 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 since June 23rd.

- 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

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 1.10 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)

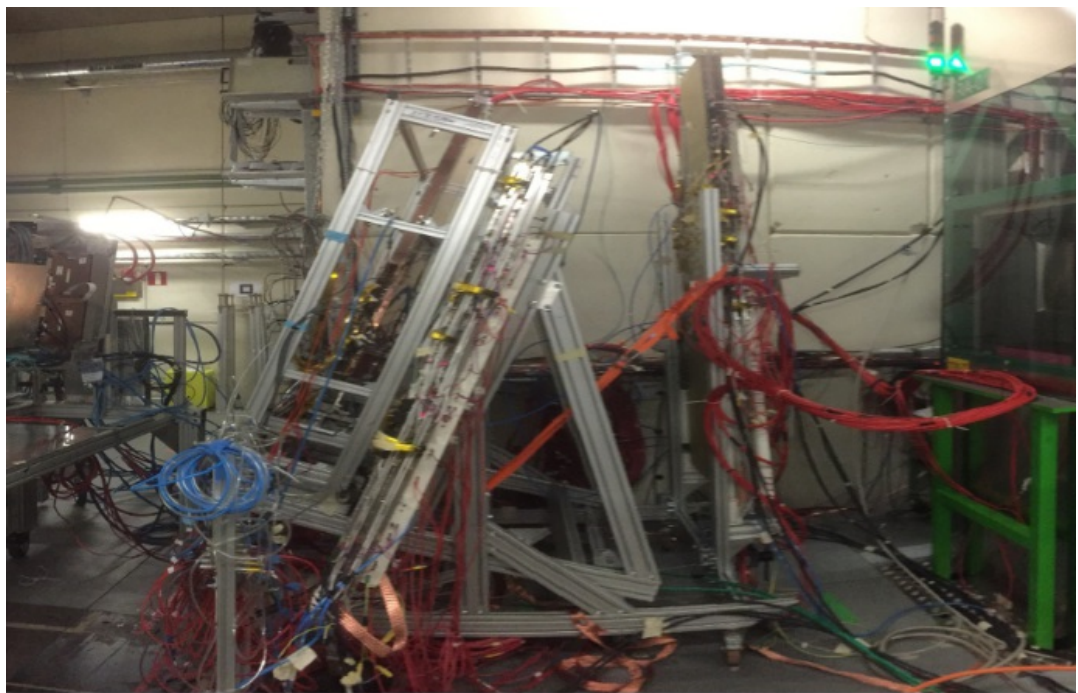
update dated 30/06/2022:

- **Setup maintenance**

- we removed the hanging trolley from the ceiling and safely stored it inside the bunker
 - the chambers are flushed in Ar/CO₂ (93%/7%) gas mixture
 - NO high voltage present!
 - we will reinstall the hanging trolley on the ceiling at the end of the July test beam



- we are preparing a new trolley in order to install it between the GEM and CSC setup during the July test beam



- basically we are going to make the tilting trolley used in the 2021 beam test
- it must be resized to fit between the GEMs and the CSC setup (in about 1.4 m)

- **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 30/06/2022

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

- **Setup maintenance**

- Setup in place and working fine

- **Weekly Plan**

- Filter scans on friday afternoon

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)

30/06/2022

- Weekly Planning:
 - Switched back to HFO-based gas mixture
 - Started irradiation campaign with all detectors
- Test Beam:
 - Preparation for July test beam

CMS-RPC: (Ece)

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

CMS-DT: (Lisa)

- weekly report:
 - irradiated at 2.2
- weekly planning:
 - source scan today (usual set repeated 2 times)
 - since we are investigating a strange behaviour in our currents, we probably would like to participate to July TB

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.