

# Weekly Reports - GIF++ Users Meeting

Meeting : 16.06.2022 - 9h

---

## Announcements from GIF++ Coordination

- 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 yesterday WED 15th
- July 06th maintenance gas detection system
- new storage area ready, just under the control room -> please start to request permission ---> 0887-R-R86 CAGE-GIF++ (ATLAS-ALICE groups)
- CF4 situation at GIF++
  - 20 bars(g) used since January 1st
  - still in stock 1 bottle with 80 bars + 1 bottle with 70 bars
- Two access system issue:
  - VETO2 applied @ 11:26am on TUE June 14th.
  - VETO1 applied @ 02:41am on WED June 15th.

\*\*\*Total source downtime caused by the issues = ~18h30m\*\*\*

## Muon beam 2022 :

- Version 1.01 of schedule now available.
- 

## Weekly Reports :

*Please update before or during the meeting !*

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

- Not participated.

### **ATLAS-MM: (Francesco, Givi, Valerio)**

update dated 16/06/2022:

- **Setup maintenance**
  - Saturday morning we will move our setup (on the false floor) in order to allow the GEM team to install their setup.
  - At the end of the GEM intervention, we will return to the original position (to the right of the irradiator) to continue the aging studies.

- For aging studies the front-end electronics are not required, therefore the cooling system can be disconnected. We will install the cooling hoses under the false floor close to the next test beam period.

- **Weekly plan**

- continuation of aging studies with Ar/CO<sub>2</sub>/iC<sub>4</sub>H<sub>10</sub> 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/cm<sup>2</sup>;
    - \* 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 16/06/2022

Slot for test beam: 13/07-20/7

- Coming back to preparation area Friday 17th June
- Slot for access Saturday 18th 11am
  - Katerina and Francesco will help for a fast insertion of GEM setup in old position
- Filter scans with some accesses during Sunday 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)**

- Weekly Planning:
  - RPCs tests with Argon for ~ 1 week
  - Switch back to HFO-based gas mixture next week
- Test Beam:
  - Data taking campaign successful, tested 8 gas mixtures in 3 different RPCs.  
Data taken at source OFF + ABS 22, 10, 69, 4.6 and 2.2
  - All foreseen measurements were taken

## **CMS-RPC: (Ece)**

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

## **CMS-DT: (Lisa, Daniele)**

- weekly report:
  - performed multiple source scans (from filter 1 to 220) last Thursday and Friday
- 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)

---

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.