

# Weekly Reports - GIF++ Users Meeting

Meeting : 10.03.2022 - 9h

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## Announcements from GIF++ Coordination

- RP CHROME system upgraded. Radiation VETO removed only yesterday late evening.
- DSO test in North Area - all the zones (PPExxx) of the North Area will be closed from Friday 11th of March at 12am until Tuesday 15th of March evening (at the latest).

We will try to get exact dates / hours when the H2/H4 beam line is affected.

But be prepared that for a few hours there will be no access to the bunker zone. Access to the service area and control room is NOT restricted.

## Muon beam 2022 :

- Version 0.2 of schedul avallabe.  
Some changes to Oct/Nov beam time possible (shift by  $\pm 1$  week) but otherwise considered stable.  
Week planning will start now.
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## Weekly Reports :

*Please update before or during the meeting !*

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

- The person power is busy with the cavern activities. The detailed plan for the tests at GIF++ will be discussed after the closure.

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

update dated 10/03/2022:

- "Hanging Trolley" (installed on the ceiling):
  - "hanging trolley " lift-up by another 20cm to accommodate CMS-CSC setup under our trolley.
- Weekly plan:
  - continuation of aging studies with Ar/CO2/iCH4 gas mixture

### ATLAS-sTGC (Margaret):

- No current setup at GIF++, and will not return until the later 2022 testbeam periods. Plan to join in July and October beam times, sharing setup with MM maybe as before, exact details (Frame? DAQ? Trigger?) TBD, but will most probably want to be nearby if not in same frame

- At that time will use same npentane mixture as before

### **CMS-CSC: (Katerina)**

- still debugging DAQ for ME2/1, and will continue during these days. Planning updated on Team up calendar

### **CMS-GEM: (Davide, Michele, Ashok)**

updated 10/03/2022

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

- Cable completely routed
- Mechanical setup ready
- 109Cd source moved to safe in GIF bunker
- Waiting for gas supply to test gas tightness of the line
- Detector under final calibration, installation foreseen for next Wednesday

### **ATLAS-sMDT (Elena)**

**During an unexpected power cut at the GIF++ facility on February 14, 2022, the following equipments have been damaged:**

- the Baratron pressure sensor (in the gas rack)
- the computer system unit (it is DAQ PC in the electronics rack)

**No news from the previous week (24.02 - 03.03)**

#### **Planned activities:**

- The electronics are planned to be installed inside the setup. This means that the trolley with electronics will completely remove from the area between the irradiator and the wall.
- The readout system (+ the whole electronics chain) of the detectors is expected to be restarted for end of March.

#### **ATL-sMDT beam time periods:**

week 17 : 25.04 - 03.05 - like a parasite for the updating and debugging of the DAQ and DCS systems

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: (Mattia)**

- Weekly Planning:
  - On Teamup, plan for long term measurements (~ 3 months): every morning 9-12 with fixed upstream attenuation (Cycle: 22, 69, 2.2, 10, 4.6), every Tuesday afternoon (14-17) fixed nominal attenuation 2.2 with one access (5 m) at the beginning and at the end of the measurements.
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- Test beam
  - We will participate to all the test beam with the setup already in the bunker. Probably the only exception will be the May test beam.

## **Ecogas: (Mapse, Luca, Gianluca)**

- Weekly Planning:
  - RPCs are still flushed with Ar
  - HV issue with the ATLAS RPC, yesterday we were able to pinpoint where the issue is and now it's being solved
- Test Beam:
  - We will participate in the July and October TB

## **CMS-RPC: (Mapse, Ece, Nicolas)**

- Weekly Planning:

We cut the extra long profiles and move the trolley closer to EPDT trolley. Now the access distance is more than 110cm.

We calculated our rate at the current position, it is 2.09 kHz at 2.2 abs exactly as we wanted to have. So we would like to stay at this abs factor.

We would like only a 1h source off today.

Most probably in a week there will be an installation of another small chamber (40kg) on the trolley. More news in the coming weeks.

- Test Beam:

We would like to participate 8 weeks.

Week 20 would be low priority.

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

- weekly planning:
  - source scan today after EP-DT
  - continue irradiation at 2.2

- Test Beam:
    - week 17 (from 25 April)
    - week 21 (from 25 May)
    - week 22 (from 01 June)
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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.