

Weekly Reports - GIF++ Users Meeting

Meeting : 12.05.2022 - 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 8th.

Muon beam 2022 :

- Version 1.01 of schedule now available. Additional week of beam allocated to GIF++
 - First Technical Stop Scheduled : Mo & Tue (16&17.05)
Beam stop for North Area : Monday 15h
SFTPRO at max. 5e11 ppp allowed until 17/05 3:30 am
(limit numbers of cycles per supercycle)*
 - Possibility to continue until Wed 18.05 (RD51 Main User)
 - Only expected uncertainty : October beam time might move (linked to NP04)
 - Running in parallel with RD51 : Two parasitic setups in upstream area (PICOSEC/timing MCP-PMT characterization and straw/VMM3A readout capabilities validation).
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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)

update dated 21/04/2022:

- **Setup maintenance / Test Beam**
 - test beam ongoing
- **Weekly plan**
 - continuation of aging studies with Ar/CO2/iC4H10 gas mixture for hanging trolley.

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 n-pentane mixture as before

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 11/05/2022

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

- Issue detected during detector operation, possible cause individuated in the gas mixture. However, new bottle didn't solve the problem.
- We would like to have a GC analysis on our gas line
- Setup moved in the preparation area --> 12/05 9:30 moving back to 904 lab
- coming back after testbeam 8/6

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)

Test beam

- Runs ongoing -> expected to finish data taking on Monday if beam conditions are stable
- Filters needed for each change of gas: Source Off, 22, 10, 6.9, 4.6, 2.2. 30 mins per filter

Ecogas: (Mapse, Luca, Gianluca)

- Weekly Planning:

- RPCs are flushing with ecogas (60% CO₂, 35% HFO, 4% i-C₄H₁₀, 1% SF₆, GWP around 230)
- Weekly Source off scans
- Clean up campaign ongoing right now (pipes, cables on trolley 3)
- Test Beam:
 - We will participate in the July and October TB

CMS-RPC: (Mapse, Ece, Nicolas)

- Weekly Planning:
 - IRPC trolley is moved out of the bunker to the preparation area (last week).
 - We finished argon tests. We requested several slots with different abs (3.3,4.6,6.9) for the incoming week.
- Test Beam:
 - We would like to participate in all 8 weeks.
 - Week 20 would be low priority.
 - We would like to attend with 2 trolleys: Consolidation and tr3.

CMS-DT: (Lisa)

- weekly report:
 - participated to TB 25-28 Apr and 9-10 May
 - performed all measurements that we planned
- weekly planning:
 - are other users profiting of beam/source scans in the next 2 weeks? we are interested in putting 2.2 for irradiation if others don't need source for some hours
- Test Beam:
 - probably we will not participate to TB in week 21 and 22

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.