

MuCol Management Committee minutes 23/05/2023 – (02)

Date: 2023-05-23

Project/Activity: WP1

Attendees: Daniel Schulte (DS), Donatella Lucchesi (DL), Claude Marchand (CM), Chris Rogers (CR), Michela Lancellotti (ML), Roberto Losito (RL), Antoine Chance (AC), EJ Bahng, (EJB) Elias Metral (EM), Natalia Milas (NM), Lucio Rossi (LR), Luca Bottura (LB)

Excused: /

The meeting was held on Zoom.

Agenda:

3:00 PM → 3:15 PM	General status (CA signature, status of Instalments)	15m	
Speakers: Chris Rogers, Daniel Schulte (CERN), Roberto Losito (CERN)			
3:15 PM → 3:35 PM	Parameters	20m	
Speaker: Daniel Schulte (CERN)			
3:35 PM → 3:50 PM	News from the WPs	15m	
3:50 PM → 4:00 PM	AoB	10m	
Speaker: EJ Bahng			

Indico page (including presentations) : <https://indico.cern.ch/event/1281256/>

Documents:

Prepared by: M. Lancellotti

Date: 2023-06-12

Revised by:

Date: 2023-06-xx

Approved by:

Date: 2023-06-xx

Distribution List: Standing members of the meeting and participants

DISCUSSION

Highlights & actions during this MMC:

TOPIC	WP/ISSUE	COMMENT	ACTIONS
General status (RL)	CA signature	Some institutes have not yet signed the CA, in particular various UK institutes and KIT. The goal is to get all the signature pages by the IMCC Annual Meeting in June 2023, as the EU Project Officer is visiting.	<ul style="list-style-type: none"> - CR will follow up for UK institutes - LB will follow up for KIT
	Task leaders	The list of Task leader has been completed with the final inputs from LB, LR and CM. The final list is now on the Indico page of this meeting: https://indico.cern.ch/event/1281256/attachments/2674283/4636864/Muon%20collider%20Design%20Study%20task%20leaders.xlsx	
Update on Deliverables & Milestones (RL, DS, DL)	D1.1 - Data management Plan (WP1 - RL)	RB started working on the Data Management Plan, and a meeting will be organized next week with EM for discussion. RB and EM will also have to schedule a discussion with DL, as lot of support from her side needed for the physics and detector part. DL will be at CERN from June 1 st for 6 months.	<ul style="list-style-type: none"> - Follow up with RL, EM, and DL
	M1.3 - Tentative parameters (WP1 - DS)	There has been a discussion on parameters today during the IMCC CC meeting (documents available on correspondent Indico page: https://indico.cern.ch/event/1289167/). The document that EM prepared will be used as basis. They will look into the structure of the areas to see what the table should contain. The WP Leaders are invited to have a look to the document EM prepared, then it will be discussed in a separate meeting.	

	M2.1 - Training material on detector&physics (WP2 – DL)	As for the WP2 training organized by DL, everything is under control: rooms are booked, Indico page is ready, people are registering. There are only some minor details to adjust, but the rest is fine.	
WP Ressources	WP1 (DS)	For WP1 all ressources are in place. They need to discuss the cost & schedule for existing CERN staff, but this will be done in a later moment.	
	WP2 (DL)	<p>WP2 hirings: The situation is generally good. DESY already opened a co-founded position. UNIPD is waiting for a few months before opening new positions because the University already opened several PhD positions with other funds (Italian PNRR) and DL prefers to wait for the situation to stabilize before going on with other hirings.</p> <p>WP2 activities: they are proceeding quite well. They started the procedure to move to the design of the 10 Tev detector, while doing in a more formal way the 3 Tev one. In general there are no issues for the moment.</p>	
	WP3 (NM)	<p>WP3 hirings: They are arranging the interview for the PhD position in ESS working on the project. They will also hire a Postdoc for the project, possibly right after the summer.</p> <p>WP3 activities: there is not much in place for the moment, because they started commissioning right after the MuCol kick-off meeting and NM is stuck with other tasks until mid-July. After that, things will be smoother.</p>	
	WP4 (CR)	<p>WP4 hirings: For the target they hired a student 1 months ago, while a junior staff and another person will join around October. Imperial just recruited a Postdoc paid by iFast for 6 months worth of money, but they will open a position to make it compatible for this person to join MuCol. However it's still possible that a different person is hired. Moreover, a new student from China who is working on the project and presenting at the IMCC Annual</p>	

		<p>Meeting in June will come to the UK for a year around October, if the paperwork is completed on time.</p>	
	WP5 (AC)	<p>WP5 hirings: The PhD position in CEA is opened, and they are proceeding with the interview this week. A. Lechner has also an open position at CERN, but AC is not sure about the current status.</p>	
	WP6 (CM)	<p>WP6 hirings: CEA is trying to hire somebody for task 3 and 2, and the position description will be published on MuCol page when ready. Strathclyde is hiring a student for 3 years, and INFN and ULA are also in the process to hire somebody. A. Grudiev (CERN) also has also a new Postdoc starting in September 2023.</p>	
	WP7 (LB)	<p>WP7 hirings: a new fellow will arrive at CERN on 1 July, a PhD at INFN Genoa started working on task 4, and there is a Postdoc at university of Darmstadt that should start soon. They are missing one PhD in Saclay for cryogenic cooling study because the position is not defined yet, but they hope to start recruitment by October. As for SouthHampton, PSI, UNIGE and UMIL, the status of hirings is still to be checked.</p>	
	WP8 (LR)	<p>LR points out that for the cooling of the accelerator there might be different solutions (i.e. liquid hydrogen, etc), so it would be worth to have a wider discussion on the topic, and maybe a dedicated workshop in the future.</p> <p>WP8 activities : The progress is slow but overall good. They had a presentation by G. Ferrand (CEA) on the “fittability” of the 700 MHz RF test cavity in a solenoid of 500 mm bore (https://indico.cern.ch/event/1282370/) that they wanted to use for testation. 500 mm might be feasible, but for RF people 550mm would be better, so WP8 and WP7 will need take this into consideration and adapt their design to 550mm. For next WP8 meeting</p>	

		<p>they'll start to produce a magnetic field map as well, which is important for RF people to progress on their work.</p> <p>LB suggests to put in place a kind of roadmap to point out that the testation is not a cooling cell, but a very good excersice to find out about integration problems, which will then be used to integrate the real cooling cell. LR agreed to put up a short document for the IMCC Annual Meeting to present that.</p> <p>WP8 hirings: UMIL had hired a technician, but the person left after a couple of months. A technician from INFN is helping temporarily, but they will soon hire another person to do the integration work. There is an ongoing discussion with RL and LB to send the technician to CERN for training, possibly for 1 month.</p>	<ul style="list-style-type: none"> - LR needs to put up a document to present the testation at the IMCC Annual Meeting in June
Gender equality (EJB)	WP1	<p>EJB presents several initiatives for gender equality in the MuCol community, in particular an Implicit Bias Workshops during the IMCC Annual Meeting in Orsay. Details can be found in her slides on Indico.</p> <p>There are suggestions to discuss also other kind of diversity (i.e. autism) and uncounscious bias. EBJ will try to make her presentation broader and targeted to MuCol community.</p> <p>LB points out that it would be interesting to know if we have cases in the community, to know the problem areas we are facing for better improvement. However, it can be problematic because the community is small and the person concerned would be easily recognisable. EJB suggests she could prepare a survey to send to the community to find out what are the issues and target them. To do that she needs a mailing list with all MuCol collaborators. WP Leaders should provide such list to the Muon Collider Secretariat, as it could be useful for other purposes as well.</p>	<ul style="list-style-type: none"> - WP Leaders should send to the Secretariat the list of their collaborators to create MuCol community e-groups.



EDMS NO. /	REV. 1.0	VALIDITY DRAFT
---------------	-------------	-------------------

REFERENCE :

**Communication
/ Dissemination
(EM)**

A discussion is ongoing with A. Augier and ML for the IMCC/MuCol publications guidelines and website. DS suggests to keep all current and past positions visible on the “jobs” section of MuCol website, so that people know what kind of opportunities are available.

Next MuCol MC on 27th June 2023