

International Collaboration Board Meeting

Nadia Pastrone 

MuCol – EU Project Kick-off Meeting

Remote – March 28, 2023



Minutes and agenda



- Minutes attached to agenda to be approved

AGENDA

17:00 → 17:30	ICB chair report	Nadia Pastrone
17:30 → 17:45	CB issues from Project Leader	Daniel Schulte
17:45 → 18:00	Steering Board: new members approval	Steinar Stapnes
18:00 → 18:10	News from U.S.	Diktys Stratakis
18:10 → 18:20	News from Asia	
18:20 → 18:30	AOB	

Grey Book @ CERN – Future Collider



IMCC can be included under “**Experiments and Projects under Study**” in the:

<https://greybook.cern.ch/experiment/underStudy>

to facilitate the work together of any member within the international collaboration, allowing to register all the participants to the listed institutes as CERN USERS

We have the OK and we MUST proceed asap to VERIFY that all institutes could be added and grant the computing/user right to work at CERN under EP.

The use of team account by partners from external institutes should be requested to and approved by CERN Research Board and it needs to be proposed by Mike Lamont.

Institutes/Countries/Funding Agencies



MoC/MuCol Partners

IEIO	CERN*
FR	CEA-IRFU*
	CNRS-LNCMI
DE	DESY*
	Technical University of Darmstadt*
	University of Rostock*
	KIT
IT	INFN*
	INFN, Univ., Polit. Torino
	INFN, Univ. Milano*
	INFN, Univ. Padova*
	INFN, Univ. Pavia
	INFN, Univ. Bologna
	INFN Trieste
	INFN, Univ. Bari
	INFN, Univ. Roma 1
	ENEA
PT	LIP*

UK	RAL+
	University of Lancaster
	University of Southampton
	University of Strathclyde
	University of Sussex
	Imperial College London+
	Royal Holloway
	University of Huddersfield
	University of Oxford
	University of Warwick
	University of Durham+
SE	ESS*
	University of Uppsala*
NL	University of Twente*+
EST	Tartu University
LAT	Riga Technical Unvers.
AU	HEPHY
	TU Wien

FI	Tampere University
ES	I3M+
	ICMAB
CH	PSI
	University of Geneva+
	EPFL
BE	Louvain
IT	INFN Frascati
	INFN, Univ. Ferrara
	INFN, Univ. Roma 3
	INFN Legnaro
	INFN, Univ. Milano Bicocca
	INFN Genova
	INFN Laboratori del Sud
	INFN Napoli
	INFN Catania

US	Iowa State University
	Wisconsin-Madison
	Pittsburg University
	Florida State U.
	U. of Tennessee
	Old Dominion U.+
	BNL
China	Sun Yat-sen University
	IHEP
	Peking University
India	CHEP
Korea	KNU+
US	FNAL
	LBL
	JLAB
	Chicago
Japan	Akira Yamamoto, Akira Sato, T. Ogitsu

Blue: MuCol Participant
 * MuCol beneficiary
 + new MoC signatory

Next steps to enlarge the international collaboration



Both participation and resources!

- IMCC
- Snowmass process
- EU project MuCol
- US Muon Collider Coordination Group
- P5
- INFRA-TECH

Detector R&D – DRD international collaborations participation & proposals



DRD1 – Gaseous Detectors (RD51...)

- Technologies
- Applications (tracking, triggering, drift chambers, TPC, calorimeters....)
- Gas and material studies
- Detector physics, simulations, and software tools
- Electronics for gaseous detectors
- Detector production
- Common test facilities

**DRD7 – Electronics
and On-detector
Processing**

DRD3 – Solid State Detectors (RD42,RD50....)

- Solid state sensors for tracking and calorimetry
- Sensors requirements for the next generation of trackers
Radiation Damage and Extreme Fluences
- Simulations
- Non-silicon semiconductor and other material studies
- Interconnect and device fabrication technologies

DRD6 – Calorimetry

- Track 1: Sandwich calorimeters with fully embedded Electronics – Main and forward calorimeters
- Track 2: Liquified Noble Gas Calorimeters
- Track 3: Optical calorimeters: Scintillating based sampling and homogenous calorimeters

DRD4 – Photon Detectors and PID

Conference Committee



A MuonCollider-ConferencePreparationTeam:

Fabrice Balli

Federico Meloni

Simone Pagan Griso

Sergo Jindariani

Nadia Pastrone

Andrea Wulzer

Donatella Lucchesi

Daniel Schulte

is in place since about 2 years to proactively propose conference abstracts, revise the opportunities, propose the speakers and more important cross check the talks/proceeding material in a light but efficient way (APS, ICHEP, many major/mid international conf Snowmass)
The committee is large enough to be able to react promptly.

Next steps:

We need to make a wider planning of committee(s) to cover conferences and publications more generally to take into account the needs for both the collaboration and the formal reporting and deliverables to the EU for MuCol

This will be discussed at different level and presented with a policy document in July.



MUST— I.FAST



The I.FAST (Innovation Fostering in Accelerator Science and Technology) Innovation Pilot project for the Particle Accelerator community is organising its second Annual Meeting in Trieste, Italy 17–21 Apr 2023

<https://indico.cern.ch/event/1204855/>

Be aware of synergies to enlarge for IMCC

extras

List of future Conferences ...



Type	Conference/Workshop	Place	start	end	link	deadline abstract	early bird registration
Major - All	EPS-HEP 2023	hamburg - Germany	21/08/2023	25/08//2023	https://indico.desy.de/event/34916/	02/06/2023	
Tech/Instrument	TIPP 2023	Cape Town - South Africa	04/09/2023	08/09/2023	https://indico.tlabs.ac.za/event/112/	15/04/2023	30/04/2023