

*Steering Board remote – January 16, 2024*



# *International Collaboration Board Status & News*

*Nadia Pastrone*



# *Aim for the meetings so far*

## **Very OPEN ICB in June → and in October 2023**

- ✓ SL and deputies – SB full committee – IMCC and MuCol Coordination Committee
- ✓ Institutes – MoC signed/considering
- ✓ Institutes – EU MuCol beneficiaries/associated
- ✓ US laboratories waiting for P5 final report

## **MAILING LIST e-group AGREED for the ICB October 12**

- IMCC-ICB only MoC signed Institutes → Grey Book / Addendum
- EU-MuCol Governing Board Institutes – Beneficiaries and Associates → Addendum
- All Institutes considering to sign MoC → It's time to encourage again the Institutes to sign
- All US Institutes waiting for P5 final report

# *International Collaboration Board: first principles*



- This Collaboration Board aims to be inclusive and fair
  - ➔ all institutes contributing to the Study as a Community
- The institutes are responsible/commit resources (person-power – material – computing ..)
  - ➔ all institutes contributing to the Design Study are considered part of the Community
  - ➔ the Memorandum of Cooperation was prepared aiming to be signed by everybody
- All contributions by institutes (individuals) are referred to defined activities
  - ➔ the results – mainly **publications** and **R&Ds** –
    - ➔ represent the recognition of the work
    - ➔ allow the request of new resources

**It is CRUCIAL to distribute information about organization and next steps**

**MANDATORY:** shared authorship rules for the community and anybody who is contributing

# *Agenda of the last ICB Meeting*



**October 12, 2023**

<https://indico.cern.ch/event/1330771/>

- ICB chair report
- IMCC Project Leader: status of Design Study including MuCol
- **Publication** policies proposal/discussion/approval  
Document  
Initial composition of the Publication and Speaker Committee
- **Resources:** status of contributions and future plans
- **Grey Book CERN and Addenda**

**Next ICB @ IMCC and MuCol Annual Meeting 2024 – March 14 2024**

# Grey Book @ CERN – Future Collider



## The CERN Experimental Programme

Grey Book database

- Welcome
- Experiments & Projects
- Teams
- Participations
- Countries

### Research Programme

- LHC
- SPS
- PS
- AD
- ISOLDE Facility
- Irradiation Facility
- Neutrino Platform
- GRADE
- CTF3
- R&D
- Non-accelerator experiments
- Approved Studies for Future Projects

### Research Activities

- Experiments and Projects under Study
- External Experiments
- Recognized Experiments
- Completed Experiments

### Related Links

- EP Department
- Users' Office
- Scientific Committees
- Conditions for experiments
- Accelerators and Beams
- Accelerator Schedules

## IMCC

International Muon Collider Collaboration

- Overview
- Teams
- Participations

**Spokesperson:** SCHULTE, Daniel  
**Deputy spokesperson(s):** ROGERS, Christopher Thomas  
WULZER, Andrea  
LUCCHESI, Donatella  
**Contact person:** PASTRONE, Nadia  
**Experiment secretariat e-mail:** muon.collider.secretariat@cern.ch

**Synonym:**  
**Research Programme:** FCOLLIDER  
**Approved:**  
**Beam:**  
**Status:** Preparation

**Number of Institutes:** 0  
**Number of Countries:** 0  
**Number of Participants:** 0  
**Number of Authors:** 0

### Status History

Status	Start Date	End Date
Preparation	08-06-2023	



IMCC finally included as one of the:  
**“Experiments and Projects under Study”**  
<https://greybook.cern.ch/experiment/detail?id=IMCC>

# *Grey Book @ CERN – ready to join since July 2023*

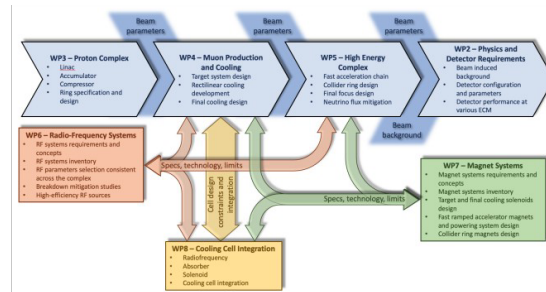
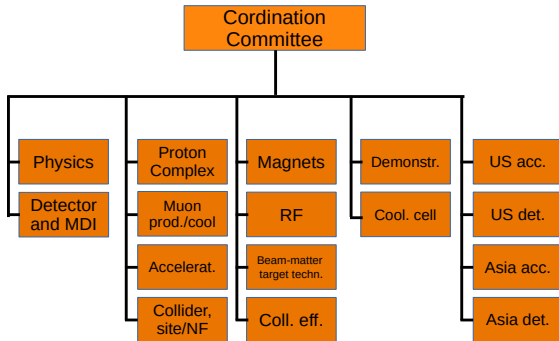


- ✓ To join and Institute has to be signed the MoC (Memorandum of Cooperation)
- ✓ There are already recognized institutes at CERN – but we can add others
- ✓ All the rules are at: [Team Leaders' corner | Users Office \(cern.ch\)](#)
- ✓ We can start to list the institutes and for each of them (Team)  
a Team leader and a deputy should be identified and they should get ready to join - following the rules
- ✓ We can send dedicated email to each eligible institute and try to facilitate the enrollment  
aiming to populate the grey book asap

.

# Institutes/Countries/Funding Agencies

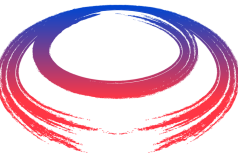
## ➔ Resources



	IMCC Activities	MuCol
1	Physics	WP2
2	Detector	WP2
2	MDI	WP5
3	Proton Complex	WP3
4	Muon Prod/cooling	WP4
5	Accelerator	WP5
6	Collider	WP5
7	Magnets	WP7
8	RF	WP6
9	Beam matter/target	
10	Collective effects	
11	Demonstrator	
12	Cooling Cell	WP8

*Authors list/institute*

# *Next steps to enlarge the international collaboration*



*June 2023*

International  
UON Collider  
Collaboration

Both participation and resources!

- IMCC
- EU project MuCol
- US Muon Collider Group
- P5
- INFRA-TECH
- Detector R&D:
  - DRD – Implementation of Roadmap coordinated by ECFA
  - CPAD initiative – new detector research U.S. consortia –
- Accelerator R&D:
  - Roadmap coordinated by LDG
  - Strong motivation through the U.S. Snowmass/P5 process
- IMCC Interim Report

***TO BE IMPLEMENTED***

***HOW TO IMPROVE?***

***Many important places to show our updated progress as a strong community!***