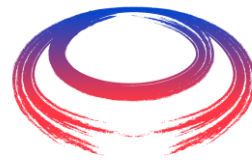
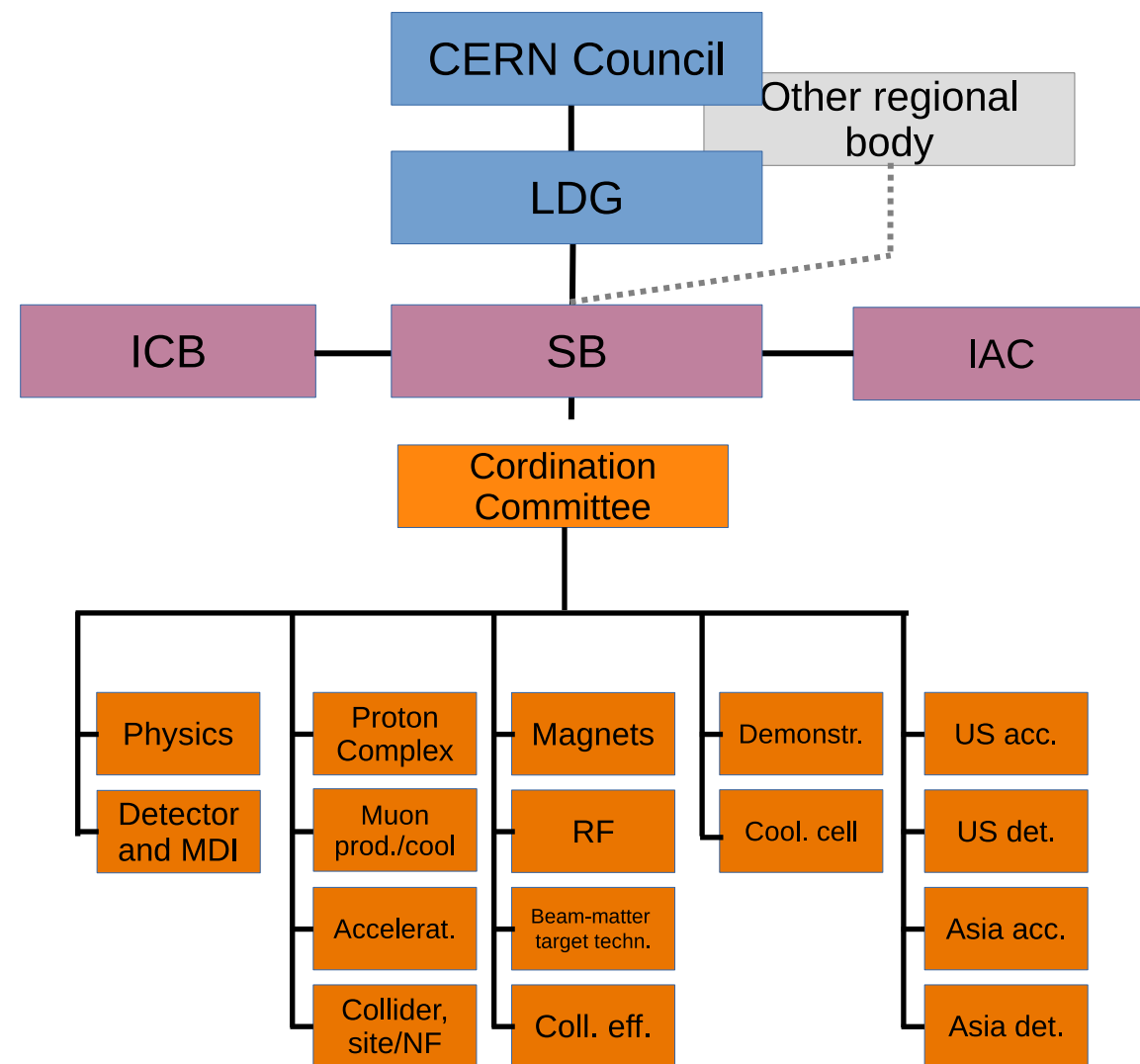


ICB meetings 2022-23 and the governance structure

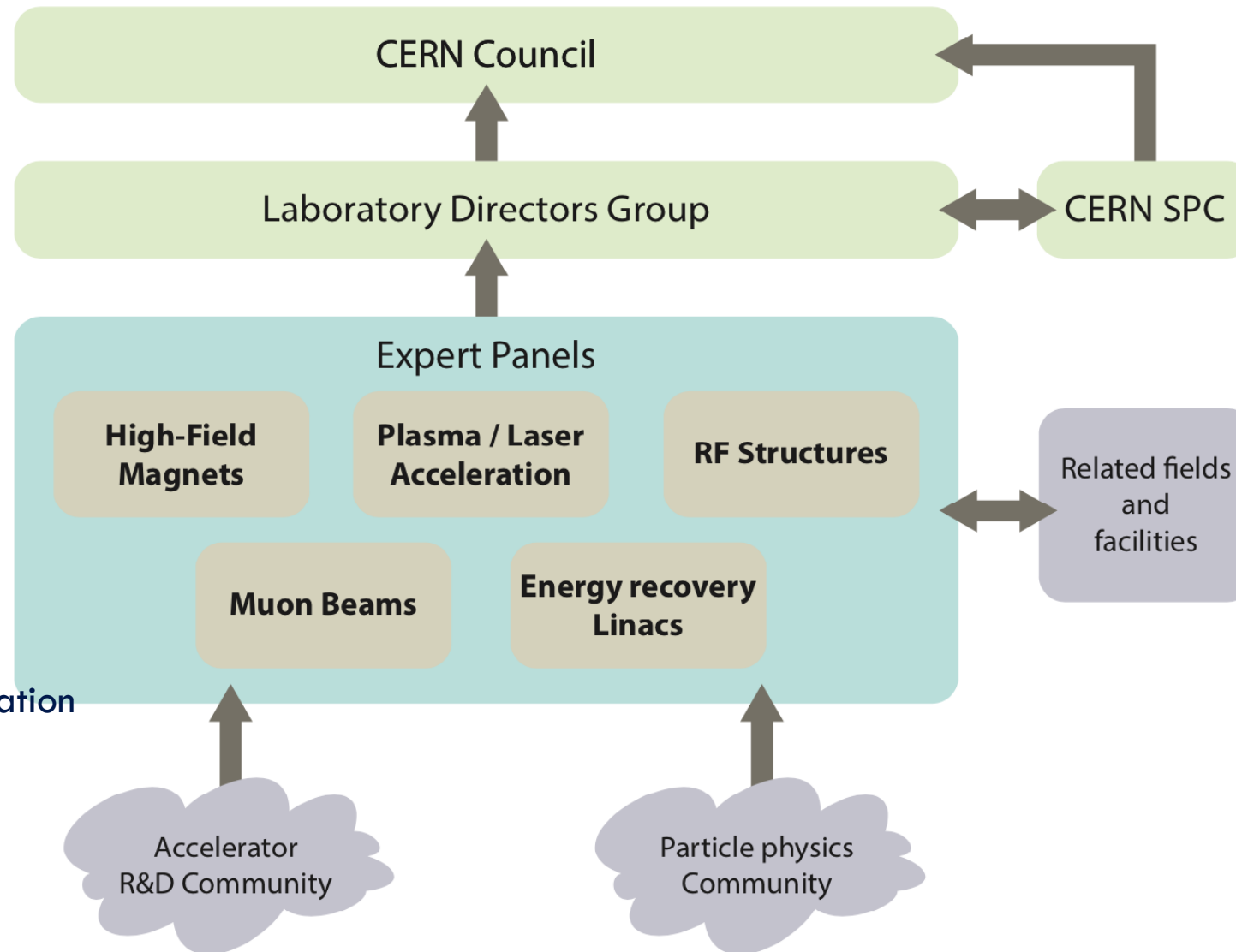


Formal organization

- International Collaboration Board (ICB)
 - Operational, chair elected in October, Nadia Pastrone
- Steering Board (SB) (links to LDG, CERN Council, major FAs, strategy ...)
 - Chair Steinar Stapnes, now operational with 6 members plus IMCC reps.
- Coordination committee (CC)
 - Study Leader Daniel Schulte, deputies: Andrea Wulzer, Donatella Lucchesi, Chris Rogers, endorsed by the ICB
 - The members are already working
- International Advisory Committee (IAC) – later

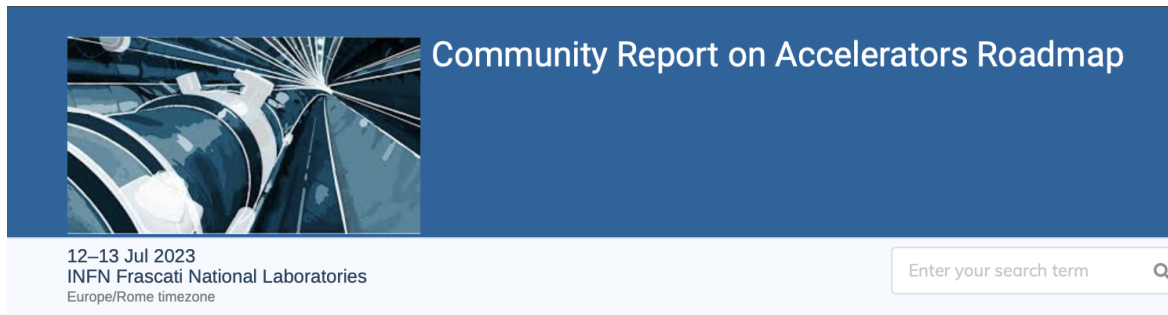


The roadmap: <https://cds.cern.ch/record/2800190/files/146-138-PB.pdf>



Note: For the muon collaboration this is addressed with the Steering Board

LDG interactions, reporting, following up:
 Meeting in Nov 22, Review in Nov 22, Input to report to
 Council March 2023, Meeting May 23, wider meeting in
 Frascati 12-13 July



- Overview
- Timetable
- Registration Form
- Accommodation Information
- Travel Information
- Meeting Venue
- Lunch Break
- Social Events
- Wifi Internet Access
- Safety Rules
- INFN Privacy Policy
- Support
- ✉ craroadmap23@lists.inf...

Timetable

ERL
 Magnets
 Muons
 Plasma

Wed 12/07

09:00	Introduction Bruno Touschek Auditorium, INFN Frascati National Laboratories	David Newbold 09:00 - 09:20
	A portfolio of future HEP colliders Bruno Touschek Auditorium, INFN Frascati National Laboratories	09:20 - 09:50
10:00	The EIC project and collaboration Bruno Touschek Auditorium, INFN Frascati National Laboratories	Maria Chamizo Llatas 09:50 - 10:10
	The SKA project and collaboration Bruno Touschek Auditorium, INFN Frascati National Laboratories	Simon Berry 10:10 - 10:30

14:00

Bruno Touschek Auditorium, INFN Frascati National Laboratories 12:45 - 14:30

The International Muon Collider Collaboration, achievements and plans Daniel Schulte
 Bruno Touschek Auditorium, INFN Frascati National Laboratories 14:30 - 14:55

15:00

Demonstrators for technical developments and physics synergies Chris Rogers
 Bruno Touschek Auditorium, INFN Frascati National Laboratories 14:55 - 15:15

Muon Collider magnet and future EU projects for studies Luca Bottura
 Bruno Touschek Auditorium, INFN Frascati National Laboratories 15:15 - 15:35

Implications for a future physics programme Andrea Wolzer
 Bruno Touschek Auditorium, INFN Frascati National Laboratories 15:35 - 15:55

16:00

Discussion
 Bruno Touschek Auditorium, INFN Frascati National Laboratories 15:55 - 16:15

Thu 13/07

09:00 **RF achievements and plans** Giovanni Bisoffi et al.
 Bruno Touschek Auditorium, INFN Frascati National Laboratories 09:00 - 09:25

RF efficiency and sustainability Nuria Catalan-Lasheras
 Bruno Touschek Auditorium, INFN Frascati National Laboratories 09:25 - 09:50

10:00 **RF implications for the muon collider program** Nadia Pastrone
 Bruno Touschek Auditorium, INFN Frascati National Laboratories 09:50 - 10:15

Discussion
 Bruno Touschek Auditorium, INFN Frascati National Laboratories 10:15 - 10:45

The Steering Board



The SB is composed of:

- The lead representative of the Host Organisation (for CERN the ATS director **Mike Lamont**)
- Up to two additional members appointed by the Host Organisation, **Gianluigi Arduini, Steinar Stapnes** (Chair)
- Up to three members appointed by the ICB
Dave Newbold (STFC), Mats Lindroos (ESS), Pierre Vedrine (CEA)
 - Director of National laboratories and Particle Physics, STFC and Leader of the LDG
 - ESS Head of Accelerator Division and Accelerator sub-project
 - Head of Accelerators, Cryogenics and Magnetism Division (DACM), CEA – IRFU
- The Study Leader and Deputies
- The ICB chair is invited.

Need to strengthen Physics and Detectors,
improve diversity -> 1-2 more members

For June meeting:

Invited from the US:

Mark Palmer (BNL), Sergo Jindariani (FNAL),
Sridhara Dasu (Wisc), Diktys Stratakis (FNAL)

In the longer term include representation from both Americas and Asia.

Muon Collider Steering Group #1



📅 Wednesday 7 Jun 2023, 15:20 → 17:30 Europe/Zurich

Description Join Zoom Meeting
<https://cern.zoom.us/j/9187562625?pwd=czMvbzd1eGxLWmRuV2UxNGwvUk5vZz09>

Meeting ID: 918 756 2625
Passcode: 00422785

16:00 → 16:15 Welcome

🕒 15m

Brief introduction of the mandate, composition and the group members

Speaker: Steinar Stapnes (CERN)

16:20 → 16:35 Main goals of collaboration with timeline, EU projects, collaboration status and US planning and integration

🕒 15m

Speaker: Daniel Schulte (CERN)

16:45 → 16:55 On-going and planned R&D activities

🕒 10m

- LDG roadmap (Frascati workshop)
- ECFA roadmap
- R&D, demonstrators and synergies

Speakers: Daniel Schulte (CERN), Donatella Lucchesi, Nadia Pastrone (Universita e INFN Torino (IT)), Steinar Stapnes (CERN)

17:10 → 17:15 International Advisory Committee

🕒 5m

- Review interim report early 2024

Speaker: Steinar Stapnes (CERN)

17:20 → 17:25 AOB and next meeting

🕒 5m

Topics for next meeting:

- Collaboration organisation in more detail
- Demonstrator ideas
- Towards the interim report
- More from the US and other regions
- Others

Speakers: All comments welcome, Steinar Stapnes (CERN)



SB meeting in June

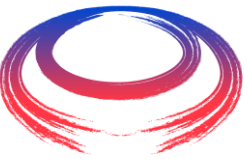


- Discussed the role of the SB and overlaps/complementarity to the actual collaboration – main SB focus points:
 - Strategies for project development in 1-5 year timeframe (e.g. demonstrators, test-facilities, synergetic studies - and "implementation planning" for these)
 - Interfaces to various bodies (e.g. the SB is set up by the European LDG and reports regularly to it), and processes (roadmaps, funding opportunities and parallel projects (e.g. magnet developments))
 - International collaboration development – remain open and inclusive, while operative
 - Follow the collaboration towards the 2025 goals
- Presented the goals for 2025-26 – Project Evaluation Report and R&D Plan, including interim report end 2023
 - Focus on interim report – content overview next, review early next year (IAC)
- Links to the ECFA detector roadmap process – ongoing
- US planning related to the P5 process

Next SB meeting in ~October



- Tune membership as mentioned, continued to work with invited members from the US and Asia
- Collaboration organisation in more detail
 - Structure of scientific and technical studies and tasks/duties, interfaces, coordinators (in some cases more than one person) -> offer new members opportunities and welcome new initiatives.
- Towards the interim report
 - A detail description and status
 - More on the demonstrator ideas and planning
- International Advisory Committee
 - Review interim report early 2024
 - Proposal in this meeting - with mandate. Small number of fixed members, one or two SB members ex-officio, specialists review by review ?
- More from the US and other regions



International
UON Collider
Collaboration

From the LDG-I

From https://indico.cern.ch/event/1172215/contributions/4922976/attachments/2484005/4264733/LDG_Update_220722.pdf

Coordination Panel Terms of Reference (i.e. for the MUON SG)

- Oversee the development of a detailed execution **plan** for each R&D Theme, and **coordinate** the necessary work
- Have representation from all **stakeholders**, including (as appropriate) participating laboratories, institutes, and national communities
- **Include representation from international partners, ensuring that a uniform picture for both European and international oversight bodies**
- Act as a **decision-making and prioritisation** body within the approved scope of each R&D Theme, based on a consensus of stakeholders
- **Where changes of objectives or scope, or prioritisation between objectives, are needed, submit recommendations and requests for comment to the LDG**
- Ensure that decisions are made on a **sound technical basis**, drawing on the expertise of the collaborating projects and institutions, and setting up any subsidiary technical working groups that may be needed **(the muon SG will set up International Advisory Committees)**

From the LDG-II

Panel Leadership Tasks (i.e. for the SG CHAIR)

- Make **initial contact** with all projects, laboratories, institutes, and funding agencies with an interest in contributing to or supporting the R&D Theme (**largely done/being done – oversee and support**)
- Convene the Panel, where necessary, by calling for representatives from stakeholders, and hold **regular meetings** thereafter
- Organise, by consensus, an appropriate **long-term structure** for work within the R&D Theme (**for the muon steering board: strategies and organization for next phase, test-facilities, synergies**)
- Maintain ongoing contact with all stakeholders, including those with a future interest in the programme, working to **define and negotiate technical and financial contributions** (**for the muon steering board: resources for next phase – test-facilities**)
- Develop a **detailed plan** for the R&D programme, commensurate with the top-level priorities expressed in the R&D Roadmap and the available **resource profile**, drawing upon the expertise and capabilities of all participants (**muon collaboration - oversee**)
- Monitor progress against a clearly specified set of **milestones**, and track the usage of resources (**muon collaboration – oversee**)
- Act as **link persons to LDG** for reporting on plans and progress, including provision of progress reports at intervals agreed with LDG, and including a final report as input to the next European Strategy update (**with study leader**)
- Provide visible **leadership, organisation and advocacy** for the ongoing work of the Panel (**yes but advocacy probably main focus**)