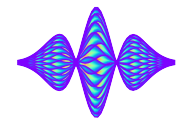


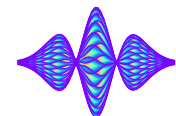


1st Muon Community Meeting on 20-21/05/21



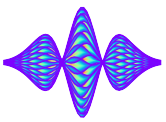
C. Rogers, D. Schulte and E. Métral

- ◆ Website
- ◆ Participants and Working Groups
- ◆ Timetable => *Discussion with all conveners tomorrow Tuesday 04/05 between 14:00 and 15:00 (CET)*
- ◆ Zoom
 - 1 room for all of us in plenary sessions
 - 8 // rooms during Working Groups => More details after
- ◆ Logo and ppt template
- ◆ Next steps



◆ <https://indico.cern.ch/event/1030726/>

Overview	<p>In Europe, the CERN Council has charged the Laboratory Directors Group (LDG) to develop the Accelerator R&D Roadmap for the next decade before the end of this year. This Roadmap will consider different funding scenarios and contain deliverables and demonstrators. Council is expected to decide on the Roadmap by the end of the year. As a consequence the Roadmap will define the R&D for the next decade. In this frame a Muon Beam Panel has been created by the LDG. In order to prepare the Roadmap we plan to hold three community meetings. This first community meeting will take place May 20 and 21, the second at the end of June or beginning of July and the third at the end of August or beginning of September. These meetings will serve to provide the input the Council meeting in June and September and to the main European Physics community event, the EPS-HEP Conference.</p> <p>Deliverables for the Roadmap:</p> <ul style="list-style-type: none">• Should focus on concrete programme that we want to propose.• What is needed as input for next Strategy Update?<ul style="list-style-type: none">– What will be objections to the muon collider concept?– What do we need to support to be scientifically sound?– What do we need to have ready for the test facilities?– And the other R&D programme?• Probably should think in terms of scope from the beginning.– For each R&D item, define required level: no work, concept, etc. up to prototype.• In parallel, define risks. <p>Charge for this First Muon Community Meeting: The goal is to identify the R&D that has to be carried out before the next ESSU-PP to scientifically justify the investment into a full CDR for the muon collider and the corresponding demonstration programme. This includes R&D to develop a baseline collider concept, well-supported performance expectations and to assess the associated key risks, cost and power drivers. Further, the main components of the demonstration programme should be identified together with the corresponding preparatory work. The working groups should propose realistic but ambitious targets for the performance goals of the different collider systems. In particular they should consider what could be assumed for the demonstration programme, i.e. in one or more test facilities starting in 2026, as well what one can anticipate to be available in 2035-2040 for a first collider stage and in 2050 for an energy upgrade.</p>
Timetable	
Registration	
Participant List	
Videoconference Rooms	



◆ 8 Working Groups

(Already confirmed) conveners for the different working groups (others still to confirm):

RF: Alexej Grudiev, Jean-Pierre Delahaye, Akira Yamamoto, Derun Li.

Magnets: Lionel Quettier, Soren Prestemon, Sasha Zlobin, Tabea Arndt.

High-energy complex: Antoine Chance, Angeles Faus-Golfe, Shinji Machida, Christian Carli.

Muon production and cooling: Chris Rogers, Diktys Stratakis, Chris Densham, Marco Calviani, Katsuya Yonehara.

Proton complex: Simone Gilardoni.

Beam Dynamics: Elias Métral, Rob Ryne, Tor Raubenheimer.

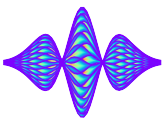
Radiation protection and other technologies: Roberto Losito, Philippe Lebrun, Mike Seidel.

MDI: Donatella Lucchesi, Nicolai Mokhov, Christian Carli, Nadia Pastrone.

◆ 80 participants (registered) as of today



Participants and Working Groups

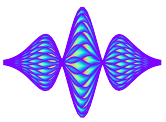


◆ RF (11)

Davide Aguglia	davide.aguglia@cern.ch	CERN
Sergey Arsenyev	sergey.arsenyev@cea.fr	CEA
Jean-Pierre Delahaye	jean-pierre.delahaye@cern.ch	CERN
Rob Edgecock	t.r.edgecock@hud.ac.uk	University of Huddersfield
Alexej Grudiev	alexej.grudiev@cern.ch	CERN
Derun Li	dli@lbl.gov	LBNL
Chris Rogers	chris.rogers@stfc.ac.uk	STFC
Roger Ruber	roger.ruber@cern.ch	Uppsala University (SE)
Daniel Schulte	daniel.schulte@cern.ch	CERN
Maksym Titov	maxim.titov@cea.fr	Université Paris-Saclay (FR)
Ursula van Rienen	ursula.van-rienen@uni-rostock.de	University of Rostock

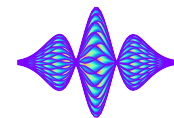


Participants and Working Groups



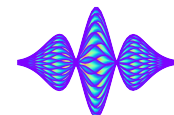
◆ Magnets (18)

Davide Aguglia	davide.aguglia@cern.ch	CERN
Kathleen Amm	ammk@bnl.gov	Brookhaven National Lab
Tabea Arndt	tabea.arndt@kit.edu	KIT
Luca Bottura	luca.bottura@cern.ch	CERN
Tord Ekelof	tord.ekelof@physics.uu.se	Uppsala University (SE)
John Hauptman	hauptman@iastate.edu	Iowa State University (US)
Matthias Mentink	matthias.mentink@cern.ch	CERN
Mark Palmer	mpalmer@bnl.gov	Brookhaven National Laboratory
Lionel Quettier	lionel.quettier@cern.ch	
Lenny Rivkin	leonid.rivkin@psi.ch	Paul Scherrer Institute (CH)
Chris Rogers	chris.rogers@stfc.ac.uk	STFC
Roger Ruber	roger.ruber@cern.ch	Uppsala University (SE)
Daniel Schulte	daniel.schulte@cern.ch	CERN
Marco Statera	marco.statera@mi.infn.it	INFN Milano - LASA
Maksym Titov	maxim.titov@cea.fr	Université Paris-Saclay (FR)
Rob Van Weelderen	rob.van.weelderen@cern.ch	CERN
Pierre Vedrine	pierre.vedrine@cern.ch	Université Paris-Saclay (FR)
Alexander Zlobin	zlobin@fnal.gov	Fermilab



◆ HE-complex (25)

Roger Barlow	roger.barlow@cern.ch	University of Huddersfield (GB)
Oscar Roberto BLANCO GARCIA	oblancog@Inf.infn.it	INFN/LNF
Alex Bogacz	bogacz@jlab.org	Jefferson Lab
Luca Bottura	luca.bottura@cern.ch	CERN
Philip Nicholas Burrows	philip.burrows@cern.ch	University of Oxford (GB)
Marco Calviani	marco.calviani@cern.ch	CERN
Antoine Chance	antoine.chance@cern.ch	CEA Irfu
Jean-Pierre Delahaye	jean-pierre.delahaye@cern.ch	CERN
David d'Enterria	david.d'enterria@cern.ch	CERN
Rob Edgecock	t.r.edgecock@hud.ac.uk	University of Huddersfield
Angeles Faus-Golfe	angeles.faus.golfe@cern.ch	IJClab IN2P3 CNRS-Université Paris-Saclay (FR)
Jose Antonio Ferreira Somoza	ja.ferreira@cern.ch	CERN
Yonatan Kahn	yfkahn@illinois.edu	University of Illinois at Urbana-Champaign
Shinji Machida	shinji.machida@stfc.ac.uk	Science and Technology Facilities Council STFC (GB)
Helene Mainaud Durand	helene.mainaud.durand@cern.ch	CERN
Yoshiharu Mori	mori.yoshiharu.4w@kyoto-u.ac.jp	Kyoto University
Mark Palmer	mpalmer@bnl.gov	Brookhaven National Laboratory
Yannis Papaphilippou	ioannis.papaphilippou@cern.ch	CERN
Chris Rogers	chris.rogers@stfc.ac.uk	STFC
Alexandre Rozanov	alexandre.rozanov@cern.ch	CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR)
Roger Ruber	roger.ruber@cern.ch	Uppsala University (SE)
Daniel Schulte	daniel.schulte@cern.ch	CERN
Ed Tatar	tataerdi@isu.edu	Idaho State University
Maksym Titov	maxim.titov@cea.fr	Université Paris-Saclay (FR)
Emilio torrente-lujan	torrente@cern.ch	

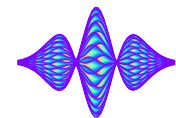


◆ MPandC
(27)

Volodymyr Aushev	volodymyr.aushev@cern.ch	Kyiv National University
Alessandro Bertolin	bertolin@pd.infn.it	INFN Sezione di Padova (IT)
Luca Bottura	luca.bottura@cern.ch	CERN
Marco Calviani	marco.calviani@cern.ch	CERN
ROBERT CHEHAB	chhab@ijclab.in2p3.fr	IJCLAB/IN2P3/CNRS
Jean-Pierre Delahaye	jean-pierre.delahaye@cern.ch	CERN
David d'Enterria	david.d'enterria@cern.ch	CERN
Marcos Dracos	marcos.dracos@in2p3.fr	Centre National de la Recherche Scientifique (FR)
Tord Ekelof	tord.ekelof@physics.uu.se	Uppsala University (SE)
Derun Li	dli@lbl.gov	LBNL
Lianliang Ma	lianliang.ma@cern.ch	Shandong University (CN)
Mohammed Mahmoud Mohammed	mohammed.attia@cern.ch	Center for High Energy Physics, Fayoum University, Egypt (EG)
Yoshiharu Mori	mori.yoshiharu.4w@kyoto-u.ac.jp	Kyoto University
Patric Muggli	muggli@mpp.mpg.de	Max Planck Institute for Physics
Maja Oivegård	maja.olvegard@physics.uu.se	Uppsala University
Mark Palmer	mpalmer@bnl.gov	Brookhaven National Laboratory
Yannis Papaphilippou	ioannis.papaphilippou@cern.ch	CERN
Lenny Rivkin	leonid.rivkin@psi.ch	Paul Scherrer Institute (CH)
Chris Rogers	chris.rogers@stfc.ac.uk	STFC
Alexandre Rozanov	alexandre.rozanov@cern.ch	CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR)
Roger Ruber	roger.ruber@cern.ch	Uppsala University (SE)
Daniel Schulte	daniel.schulte@cern.ch	CERN
Bernd Michael Stechauner	bernd.michael.stechauner@cern.ch	Vienna University of Technology (AT)
Maksym Titov	maxim.titov@cea.fr	Université Paris-Saclay (FR)
Rob Van Weelderden	rob.van.weelderden@cern.ch	CERN
Raymond Veness	veness@cern.ch	CERN
Robert Zwaska	zwaska@fnal.gov	Fermilab

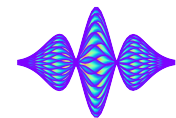


Participants and Working Groups



◆ PC (13)

Marco Calviani	marco.calviani@cern.ch	CERN
Jean-Pierre Delahaye	jean-pierre.delahaye@cern.ch	CERN
David d'Enterria	david.d'enterria@cern.ch	CERN
Jose Antonio Ferreira Somoza	ja.ferreira@cern.ch	CERN
Yoshiharu Mori	mori.yoshiharu.4w@kyoto-u.ac.jp	Kyoto University
Patric Muggli	muggli@mpp.mpg.de	Max Planck Institute for Physics
Maja Olvegård	maja.olvegard@physics.uu.se	Uppsala University
Yannis Papaphilippou	ioannis.papaphilippou@cern.ch	CERN
Christopher Prior	chris.prior@stfc.ac.uk	STFC Rutherford Appleton Laboratory
Chris Rogers	chris.rogers@stfc.ac.uk	STFC
Roger Ruber	roger.ruber@cern.ch	Uppsala University (SE)
Daniel Schulte	daniel.schulte@cern.ch	CERN
Robert Zwaska	zwaska@fnal.gov	Fermilab

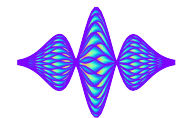


◆ BD (19)

Roger Barlow	roger.barlow@cern.ch	University of Huddersfield (GB)
Maria Enrica Biagini	marica.biagini@Inf.infn.it	
Oscar Roberto BLANCO GARCIA	oblancog@Inf.infn.it	INFN/LNF
Alex Bogacz	bogacz@jlab.org	Jefferson Lab
ROBERT CHEHAB	chehab@ijclab.in2p3.fr	IJCLAB/IN2P3/CNRS
Angeles Faus-Golfe	angeles.faus.golfe@cern.ch	IJClab IN2P3 CNRS-Université Paris-Saclay (FR)
Derun Li	dli@lbl.gov	LBNL
Lianliang Ma	lianliang.ma@cern.ch	Shandong University (CN)
Mohammed Mahmoud Mohammed	mohammed.attia@cern.ch	Center for High Energy Physics, Fayoum University, Egypt (EG)
Elias Metral	elias.metral@cern.ch	CERN
Yoshiharu Mori	mori.yoshiharu.4w@kyoto-u.ac.jp	Kyoto University
Maja Olvegård	maja.olvegard@physics.uu.se	Uppsala University
Yannis Papaphilippou	ioannis.papaphilippou@cern.ch	CERN
Christopher Prior	chris.prior@stfc.ac.uk	STFC Rutherford Appleton Laboratory
Chris Rogers	chris.rogers@stfc.ac.uk	STFC
Robert Ryne	rdryne@lbl.gov	Lawrence Berkeley National Laboratory
Daniel Schulte	daniel.schulte@cern.ch	CERN
Raymond Veness	veness@cern.ch	CERN
Robert Zwaska	zwaska@fnal.gov	Fermilab

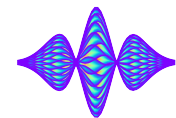


Participants and Working Groups



◆ RPandOtherTech (20)

Claudia Ahdida	claudia.ahdida@cern.ch	
Volodymyr Aushev	volodymyr.aushev@cern.ch	Kyiv National University
Marco Calviani	marco.calviani@cern.ch	CERN
Marcos Dracos	marcos.dracos@in2p3.fr	Centre National de la Recherche Scientifique (FR)
Rob Edgecock	t.r.edgecock@hud.ac.uk	University of Huddersfield
Philippe Lebrun	philippe.lebrun@cern.ch	European Scientific Institute, Archamps
Derun Li	dli@lbl.gov	LBNL
Roberto Losito	roberto.losito@cern.ch	CERN
Donatella Lucchesi	donatella.lucchesi@cern.ch	Universita e INFN, Padova (IT)
Mohammed Mahmoud Mohammed	mohammed.attia@cern.ch	Center for High Energy Physics, Fayoum University, Egypt (EG)
Helene Mainaud Durand	helene.mainaud.durand@cern.ch	CERN
Nadia Pastrone	nadia.pastrone@cern.ch	INFN Torino (IT)
Daniel Schulte	daniel.schulte@cern.ch	CERN
Vladimir Shiltsev	shiltsev@fnal.gov	Fermilab
Ed Tatar	tataerdi@isu.edu	Idaho State University
Maksym Titov	maxim.titov@cea.fr	Université Paris-Saclay (FR)
Rob Van Weelderden	rob.van.weelderden@cern.ch	CERN
Piet Verwilligen	piet.verwilligen@cern.ch	Universita e INFN, Bari (IT)
Markus Widorski	markus.widorski@cern.ch	CERN
Robert Zwaska	zwaska@fnal.gov	Fermilab

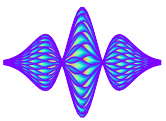


◆ MDI (17)

Fabrice Balli	fabrice.balli@cern.ch	Université Paris-Saclay (FR)
Nazar Bartosik	nazar.bartosik@cern.ch	Universita e INFN Torino (IT)
Alessandro Bertolin	bertolin@pd.infn.it	INFN Sezione di Padova (IT)
Philip Nicholas Burrows	philip.burrows@cern.ch	University of Oxford (GB)
Camilla Curatolo	camilla.curatolo@pd.infn.it	Università di Padova e INFN Padova
Klaus Dehmelt	klaus.dehmelt@stonybrook.edu	Stony Brook University
Angeles Faus-Golfe	angeles.faus.golfe@cern.ch	IJCLab IN2P3 CNRS-Université Paris-Saclay (FR)
John Hauptman	hauptman@iastate.edu	Iowa State University (US)
Donatella Lucchesi	donatella.lucchesi@cern.ch	Universita e INFN, Padova (IT)
Mohammed Mahmoud Mohammed	mohammed.attia@cern.ch	Center for High Energy Physics, Fayoum University, Egypt (EG)
Helene Mainaud Durand	helene.mainaud.durand@cern.ch	CERN
Matthias Mentink	matthias.mentink@cern.ch	CERN
Simone Pagan Griso	simone.pagan.griso@cern.ch	Lawrence Berkeley National Lab. (US)
Nadia Pastrone	nadia.pastrone@cern.ch	INFN Torino (IT)
Daniel Schulte	daniel.schulte@cern.ch	CERN
Piet Verwilligen	piet.verwilligen@cern.ch	Universita e INFN, Bari (IT)
Alexander Zlobin	zlobin@fnal.gov	Fermilab



Timetable



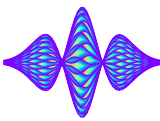
Overview
Timetable
Registration
Participant List
Videoconference Rooms

Timetable

< Thu 20/05 Fri 21/05 All days >

Print PDF Full screen Detailed view Filter

13:00	Plenary session
14:00	Zoom 13:00 - 14:40
	Coffee break
	Zoom 14:40 - 15:00
15:00	Working groups
16:00	Zoom 15:00 - 16:40
	Coffee break
	Zoom 16:40 - 17:00
17:00	Working groups
18:00	Zoom 17:00 - 19:00
19:00	



Overview
Timetable
Registration
Participant List
Videoconference Rooms

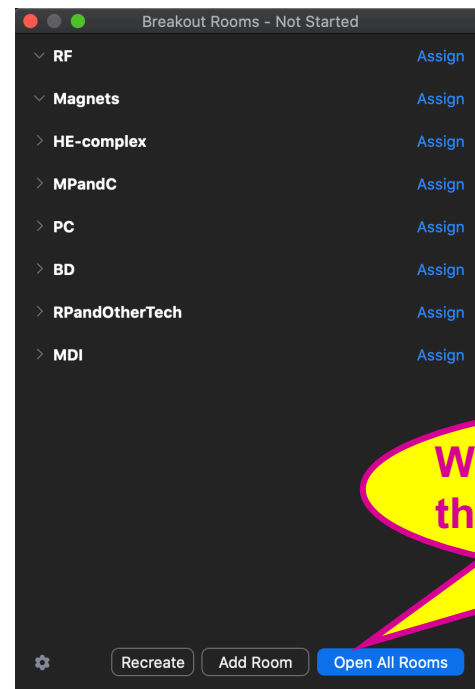
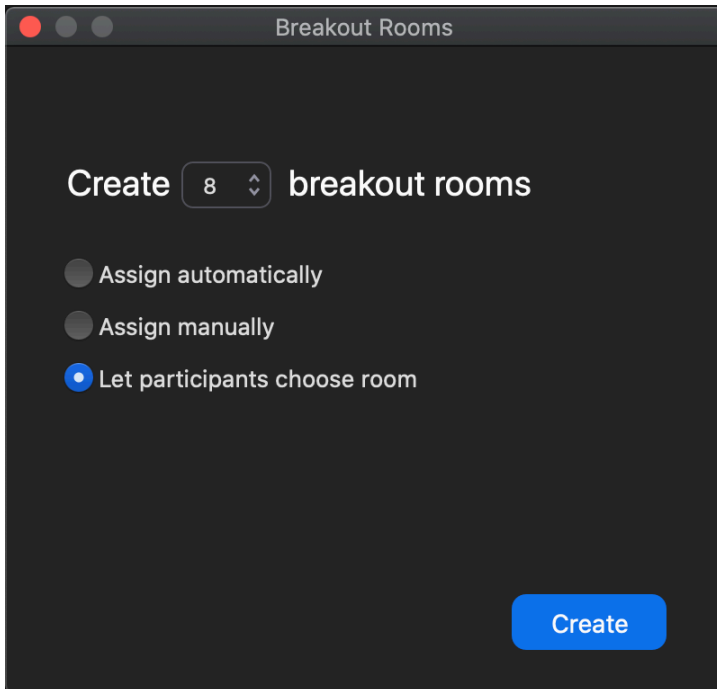
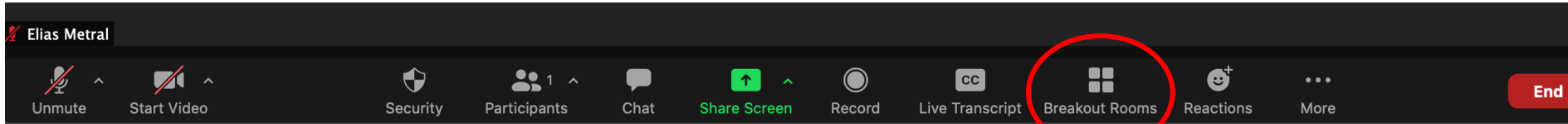
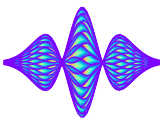
Timetable

< Thu 20/05 Fri 21/05 All days >

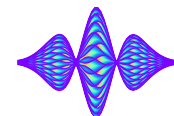
Print PDF Full screen Detailed view Filter

09:00	Working groups Zoom 09:00 - 10:20
10:00	Coffee break Zoom 10:20 - 10:40
11:00	Working groups Zoom 10:40 - 12:00
12:00	

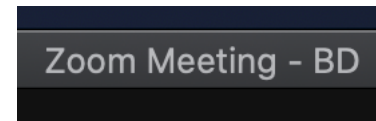
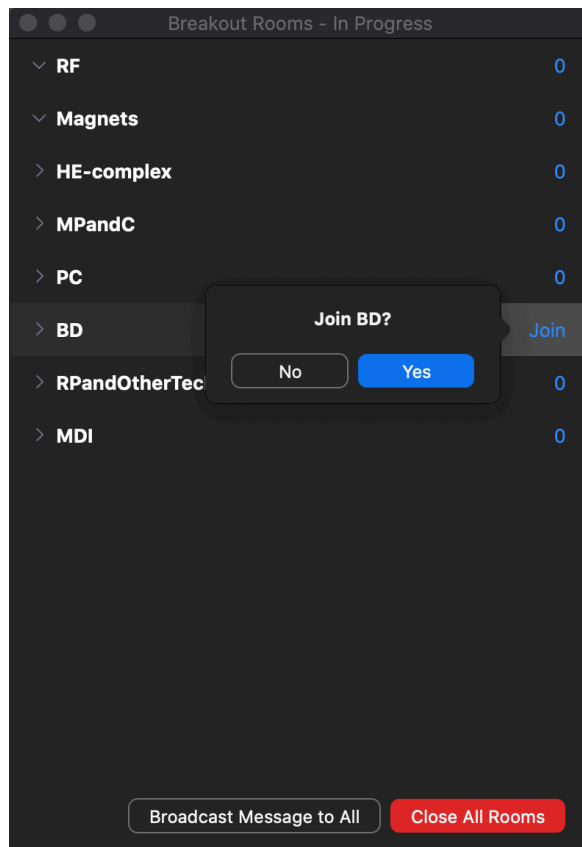
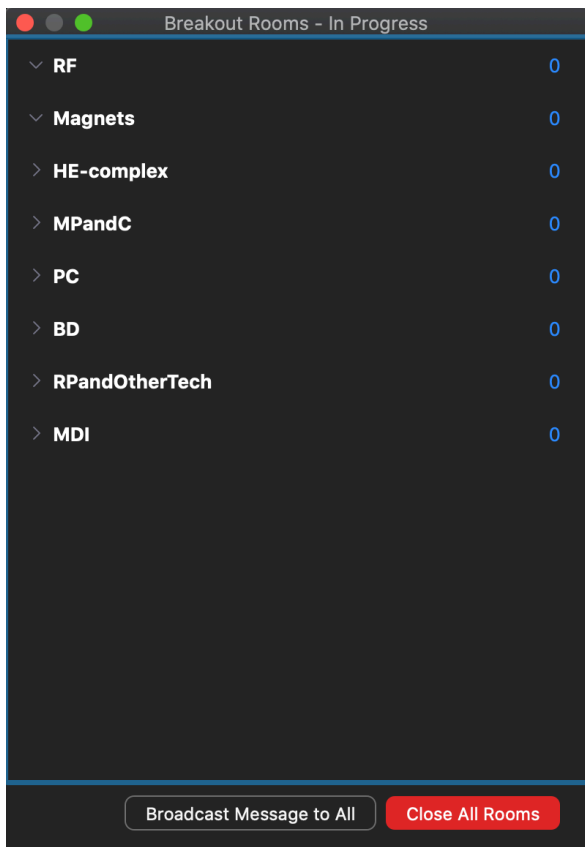
13:00	Summaries of Working Groups R&D lists Zoom 13:00 - 14:40
14:00	Coffee break Zoom 14:40 - 15:00
15:00	Summaries of Working Groups R&D lists Zoom 15:00 - 16:40
16:00	Coffee break Zoom 16:40 - 17:00
17:00	Test facilities discussion Zoom 17:00 - 18:30
18:00	Final discussion Zoom 18:30 - 19:00
19:00	



We will open the 8 rooms for the Working Group sessions

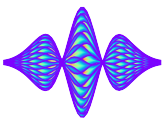


◆ To join a WG

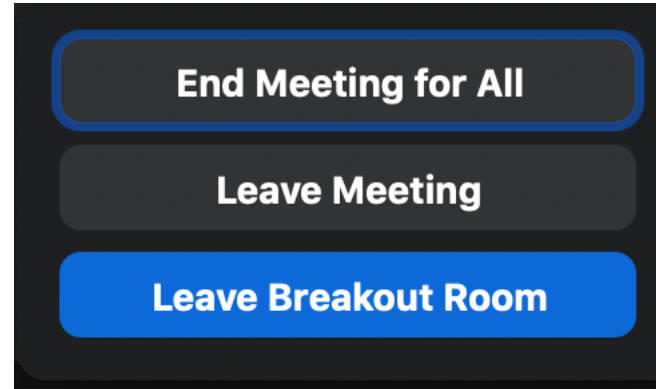
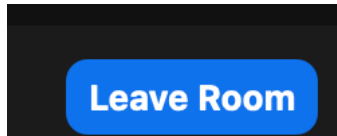




Zoom

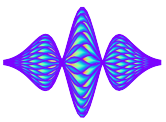


- ◆ To leave a WG



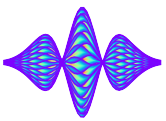


Logo and ppt template



- ◆ Should come just on time for our 1st Community meeting ;-)

=> We should send you them by Monday 17/05/21 at 18:00 at the latest (if available...)



- ◆ A list of parameters along the complex chain is being prepared by Jean-Pierre et al. => Should be available soon and useful to all of us

=> Working groups should prepare beforehand and only finalise at workshop!



Starts 20 May 2021, 13:00

Ends 21 May 2021, 19:00

Europe/Zurich



Zoom



Chris Rogers

Daniel Schulte

Elias Metral



PictureEU-R&D-Roadmap.png

=> Please don't hesitate for any comment / question and good luck to all of us!