

Welcome to.....

Early Career Researchers & Muon Colliders

Introduction from R. Taylor & D. Schulte



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Aims:

- To gain an indication of the **interest** of the Muon Collider for Early Career Researchers.
- To **showcase** the contributions of current Early Career Researchers to the Muon Collider design.
- To provide an opportunity for external Early Career Researchers to **share their questions and thoughts** to the Muon Collider Coordinators.



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Aims (Translation):

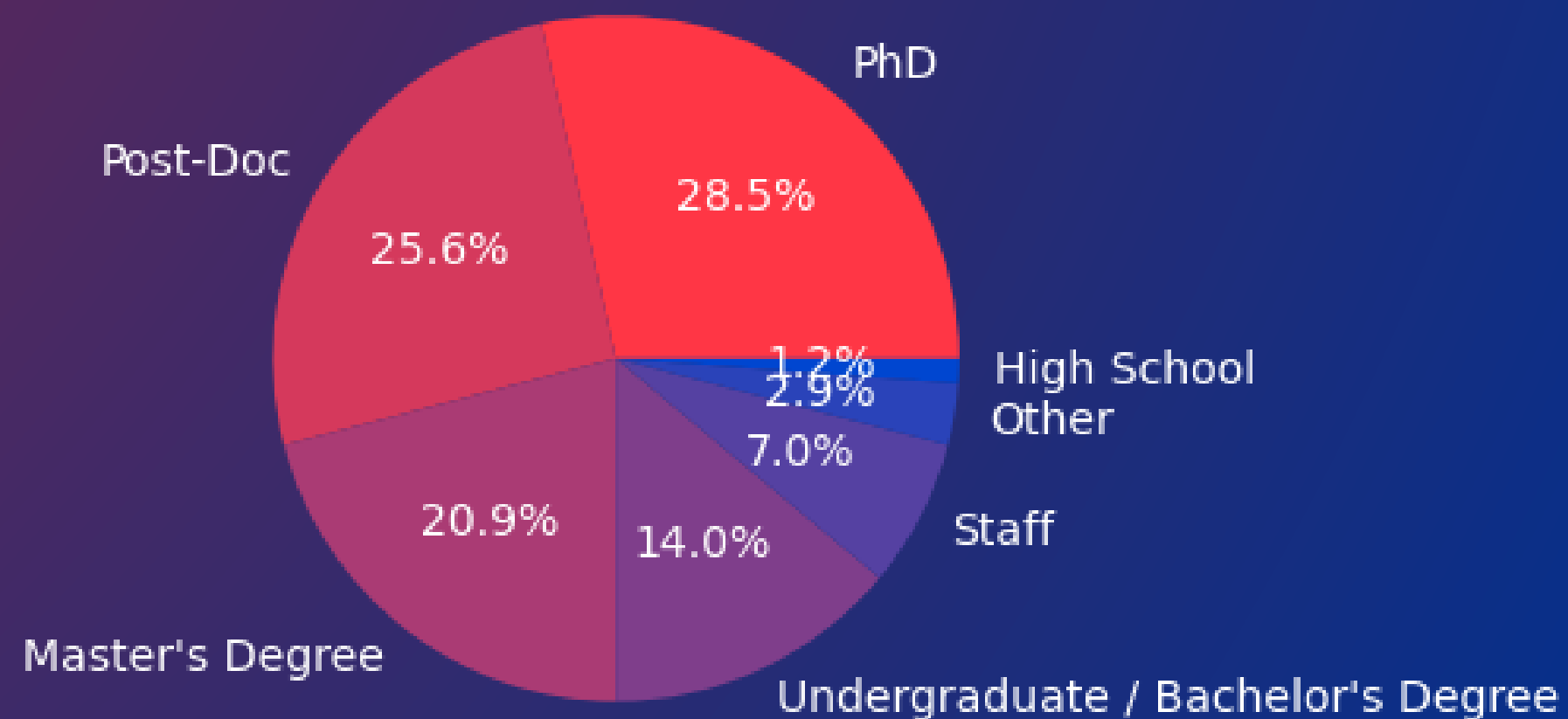
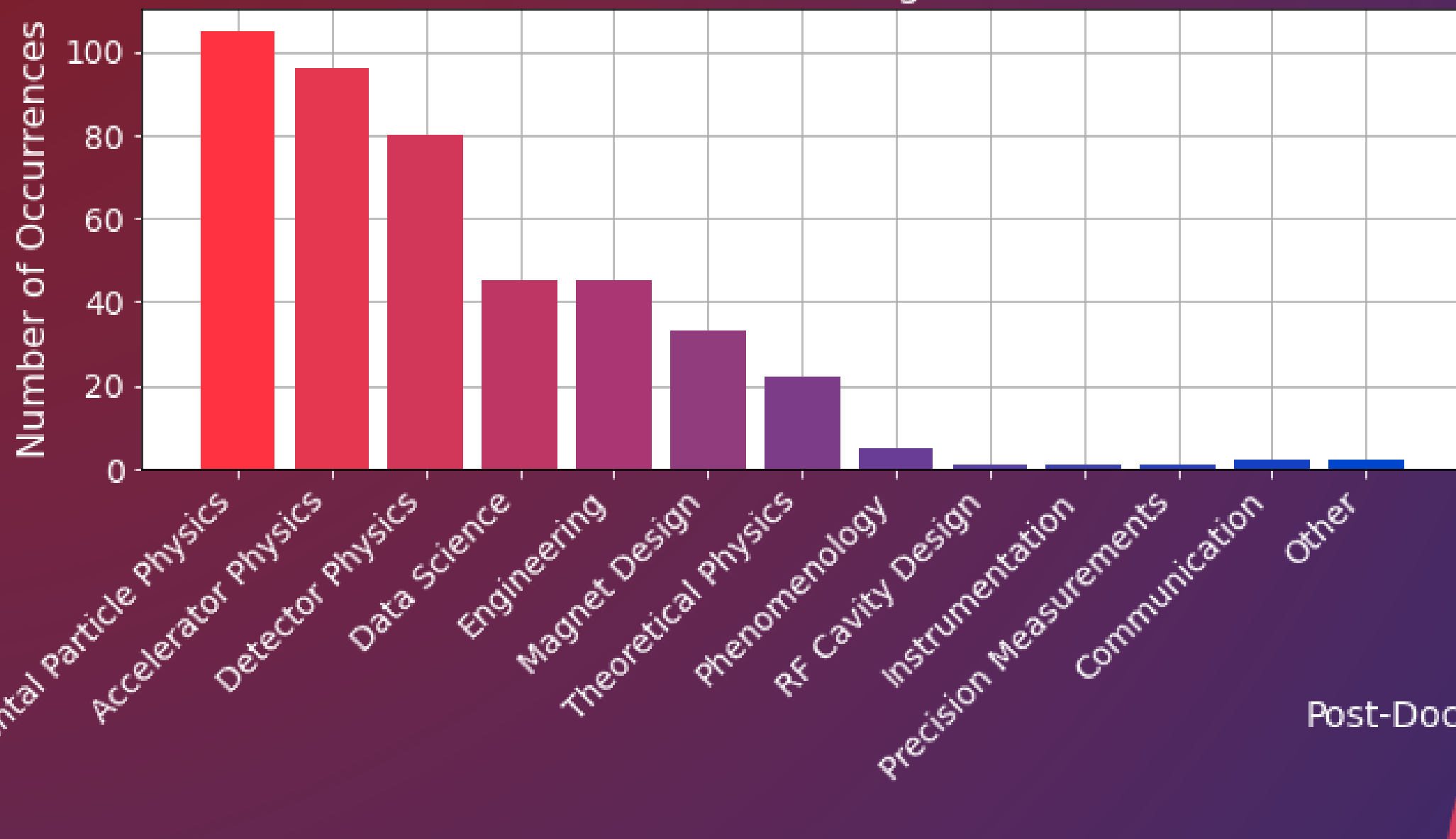
- ECRs are **enthusiastic** about the Muon Collider - and it is time to show it!
- ECRs have a significant **impact** on the design and process, whilst it is still a small collaboration
- ECRs should have the opportunities to **ask questions and share their thoughts** on the future of particle accelerators.



About You!

172 registrants

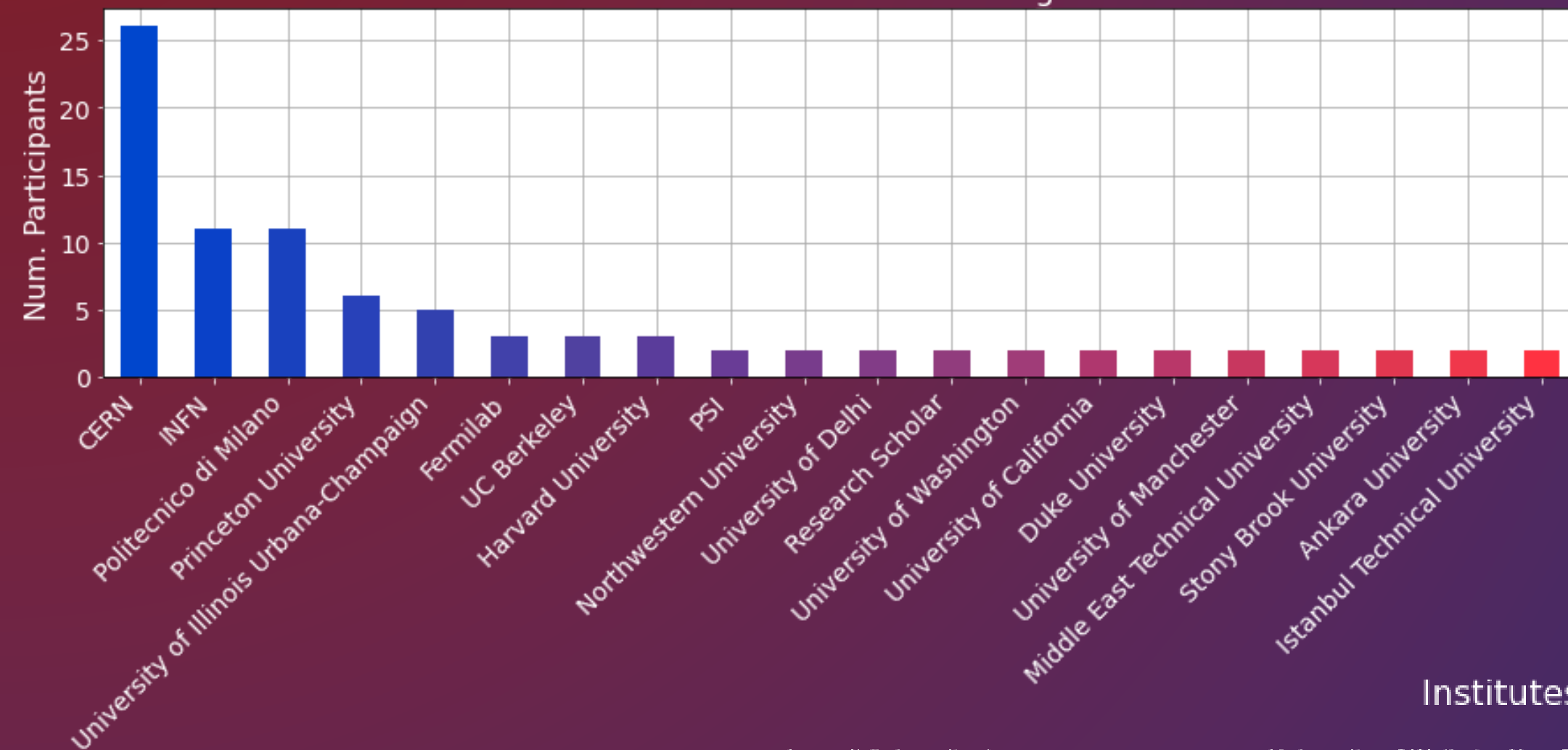
Interest Areas in ECR Registration Form



About You!

172 registrants
From 38 countries
And 99 institutes

Institutes with more than one registrant



Institutes with one participant

kocaeli Üniversitesi
University of Rome "La Sapienza"
SLAC
Vienna University of Technology
GSI Darmstadt
Sapienza Università e INFN, Roma I (IT)
University of Tennessee
Student at Mumbai University
EAFIT University
Second Gymnasium Sarajevo
University of Utah
DESY
Texas A&M University
University of Adelaide
Department of Physics and Astronomy
Autonomous University of Puebla
University of Oklahoma
Lawrence Berkeley National Lab.
Central University of Jharkhand
Indian Institute of technology kharagpur

University of Waikato, New Zealand
The Iranian Ministry of Science
Cornell University
University of Hamburg
Università degli studi di Catania
Massachusetts Inst. of Technology (US)
Wayne State University
Bennett University
Caltech
University of Sussex
University of Siegen
CEA Saclay
Imperial College London
Università degli studi di Padova
IFIC (CSIC - U. Valencia)
University of Pittsburgh
Science Museum - London
ICTEA
University of Oxford

Institute of Modern Physics
The University of Edinburgh
Ion Beam Applications
FRIB/UCAD
Hochschule Offenburg
University of Malta, CERN
ETH Zurich
University of Ferrara
Genova University
Scuola Superiore Meridionale
CFNS (Stony Brook University)
Charles University
Iowa State University
University Of Karachi
University of Virginia
King Saud University
Stanford University
Brookhaven National Laboratory
Rwth Aachen

The Islamia university of Bahawalpur
Indian Institute of Technology Ropar
IIT BHU, Varanasi
Università di Napoli Federico II (IT)
Centre National de la Recherche Scientifique (FR)
İstanbul Üniversitesi Fizik Bölümü
Old dominion university
Barkatullah university
University of Chicago
HKUST
Universite Mohammed V
ATLAS
University of Warsaw
North Eastern Hill University
Universite de Geneve
University of Twente
University of Toronto
CBPF
Michigan State University

About Us!

Thanks to the Organising Team



Daniele Calzolari
CERN, PhD Student



Rodolfo Roldan
Fermilab,



Paula Desire Valdor
CERN, PhD Student



Bernd Stechauner
CERN, PhD Student

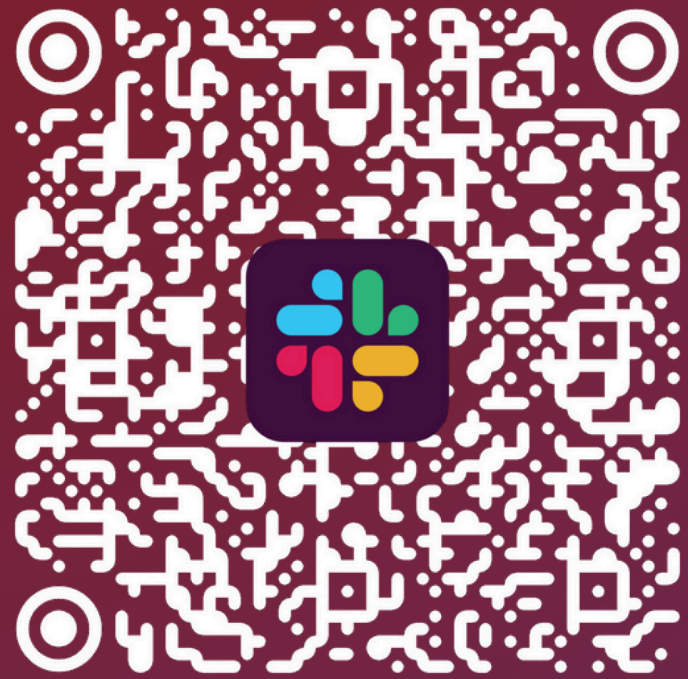


Michela Lancellotti
CERN, Administrative
Student



R. Taylor
CERN, Fellow

Additional Matters



Join our Slack Channel!

https://join.slack.com/t/muoncolliderfriends/shared_invite/zt-2pqe6ude8-w8qkwwG19HX_FDhIXDIQ2g

Don't forget the feedback survey!



<https://indico.cern.ch/event/1422393/surveys/5670>

Credit to Gaia Fontana @qftoons for artwork.
Available via qftoons@gmail.com





Welcome



Muon collider has a **compelling physics case**

- In particular, also important for the long-term direction

Very challenging collider and technologies

- Requires **innovative** approach
- **R&D progress** is increasing our confidence that the collider is a unique, sustainable path to the future

Aim for first stage by **2050**

- Human timescale

The collaboration is **growing** quickly E.g. US is joining

- Need to increase the effort:

Need you

For you to be informed, please join our e-group
“*muoncollider-early-career*” via e-groups.cern.ch/

Need your institute

For institutes to join contact
muon.collider.secretariat@cern.ch

The IMCC Institutes

IEIO	CERN
FR	CEA-IRFU
	CNRS-LNCMI
DE	DESY
	Technical University of Darmstadt
	University of Rostock
	KIT
UK	RAL
	UK Research and Innovation
	<i>University of Lancaster</i>
	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

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
	INFN Frascati
	INFN, Univ. Ferrara
	INFN, Univ. Roma 3
	INFN Legnaro
	INFN, Univ. Milano Bicocca
	INFN Genova
	INFN Laboratori del Sud
	INFN Napoli
Mal	Univ. of Malta
EST	Tartu University

SE	ESS
	University of Uppsala
PT	LIP
NL	University of Twente
FI	Tampere University
LAT	Riga Technical University
CH	PSI
	University of Geneva
	EPFL
BE	Univ. Louvain
AU	HEPHY
	TU Wien
ES	I3M
	CIEMAT
	ICMAB
China	Sun Yat-sen University
	IHEP
	Peking University
KO	KEU
	Yonsei University

US	Iowa State University
	<i>University of Iowa</i>
	Wisconsin-Madison
	<i>Pittsburg University</i>
	Old Dominion
	Chicago University
	Florida State University
	RICE University
	<i>Tennessee University</i>
	<i>MIT Plasma science center</i>
	<i>Pittsburgh PAC</i>
India	CHEP

US	FNAL
	LBL
	JLAB
	BNL