

Session Program

22-25 Jun 2026



IMCC and MuCol Annual Meeting 2026

Accelerator parallel

CERN, 500/1-001 - Main Auditorium

Tuesday 23 June

09:00

Accelerator parallel: 6D Cooling Magnets & RF

Session | Location: CERN, 6/2-024 - BE Auditorium Meyrin | Convener: Chris Rogers

09:00-09:15 **Initial/Dual Sign 6D Cooling**

Speaker
Caroline Riggall

09:20-09:35 **Collective Effects in Cooling & RF**

Speaker
Dr Carmelo Barbagallo

09:40-09:55 **Intra Beam Scattering**

Speaker
Paula Desire Valdor

10:00-10:15 **Magnets for rectilinear cooling**

Speaker
Giuseppe Scarantino

10:20-10:35 **Collective Effects in Matter**

Speaker
Erik Kvikne

10:45

09:00

Accelerator parallel: High energy-acceleration, Magnets & RF

Session | Location: CERN, 6/R-012 - conference room | Conveners: Antoine Chance, Heiko Damerau

09:00-09:15 **Update on optics studies**

Speaker
Lisa Soubirou

09:20-09:35 **US work on high-energy muon acceleration**

Speaker
Kyle Capobianco-Hogan

09:40-09:55 **Impedance budget for muon RCS**

Speaker
Elias Metral

10:00-10:15

Implementation of multi-turn wakes and counter-rotating beams in the RCS chain

Speaker
Leonard Thiele

10:20-10:35 **Revisit of the energy levels of the RCS chain**

Speaker
Simon Albright

10:45

11:15

Accelerator parallel: Muon Production and Target technologies

Session | Location: CERN, 6/2-024 - BE Auditorium Meyrin | Convener: Rui Franqueira Ximenes

11:15-11:25 **Graphite Target**

Speaker
Dr Silvio Candido

11:30-11:45 **Lead Target Jet and Curtain**

Speaker
Dr Silvio Candido

11:45-12:00 **Lead Target shock wave and hydraulic system**

Speaker
Luca Tricarico

12:05-12:15 **Tungsten Powder Target & Pion Yield**

Speaker
William Bishop

12:15-12:30 **Tungsten Powder Target & Engineering**

Speaker
Ben Sutters

12:35-12:55 **Spent Proton extraction**

Speaker
Dr Giuseppe Lerner

13:00

14:00

Accelerator parallel: Proton Driver

Session | Location: CERN, 6/2-024 - BE Auditorium Meyrin | Conveners: Austin Hoover, Natalia Milas

14:00-14:05 **Current baseline design for MuCol**

Speaker
Natalia Milas

14:05-14:25 **Compression experiments at SNS**

Speaker
Austin Hoover

14:25-14:45 **Compression experiments at CERN PS**

Speaker
Simon Albright

14:45-15:00 **Compression experiment ideas at IOTA**

Speaker
Benjamin Simons

15:00-15:15 **New compression ideas**

Speaker
Johan Holmberg

15:15-15:30 **Collective effects in the IMCC Proton Complex**

Speaker

Markus Sörqvist

15:45

15:30-15:45

Discussion

Wednesday 24 June

09:00

Accelerator parallel: Collider Design

Session | Location: CERN, 6/2-024 - BE Auditorium Meyrin | Convener: Christian Carli

09:00–09:20 Muon Collider Ring Design Status and Update

Speaker

Marion Vanwelde

09:20–09:50 Studies of Interaction Region Magnets

Speaker

Samuele Mariotto

09:50–10:05 Minimum Field-Free Region Estimates

Speaker

BARBARA CAIFFI

10:05–10:30 VIPER scheme to mitigate neutrino radiation

Speaker

Marion Vanwelde

10:45

11:15

Accelerator parallel: Collider Radiation

Session | Location: CERN, 6/2-024 - BE Auditorium Meyrin | Convener: Claudia Ahdida

11:15–11:40 Recent studies on neutrino radiation

Speaker

Dr Jerzy Mikolaj Manczak

11:40–12:00 Status of Geoprofiler developments

Speaker

Nicolas Guilhaudin

12:00–12:20 Neutrino flux from the Interaction Region straights

Speaker

Daniele Calzolari

12:20–12:40 Neutrino generated radiation in direction of the IR straights

Speaker

Dr Jerzy Mikolaj Manczak

13:00

14:00

Accelerator parallel: Demonstrators & Test Facilities

Session | Location: CERN, 500/1-001 - Main Auditorium | Conveners: J. Scott Berg, Chris Rogers

14:00–14:20 Cooling Demonstrator Physics

Speaker

Chris Rogers

14:25-14:40

Cooling Demonstrator Beam Transport (CERN)

Speaker

Paul Bogdan Jurj

14:45-15:00

RF Test Stands in US and Europe

Speaker

Dario Augusto Giove

15:05-15:20

US Plans for Demonstrator

Speakers

J. Scott Berg, J. Scott Berg

15:25-15:40

Demonstrator Alignment Studies

Speaker

Mr Ruihu Zhu

15:45

Thursday 25 June

09:00

Accelerator parallel: Final Cooling, Magnets & RF

Session | **Location:** CERN, 6/2-024 - BE Auditorium Meyrin | **Conveners:** Chris Rogers, Paul Bogdan Jurj

09:00–09:15 **Final Cooling**

Speaker

Mr Ruihu Zhu

09:20–09:35 **Final Cooling Lattice Design with CoolPy**

Speaker

Bernd Michael Stechauner

09:40–09:55 **Low Energy Cooling**

Speaker

Megan Hanes

10:00–10:15 **Emittance Exchange Scheme**

Speaker

Inci Karaaslan

10:20–10:35

Minimally-Destructive Silicon Instrumentation for a Muon Cooling Demonstrator

Speaker

Cecilia Hanna

10:45