



Institute of Particle Physics and
Accelerator Technologies

4th Baltic School of High-Energy Physics and Accelerator Technologies

Close-out

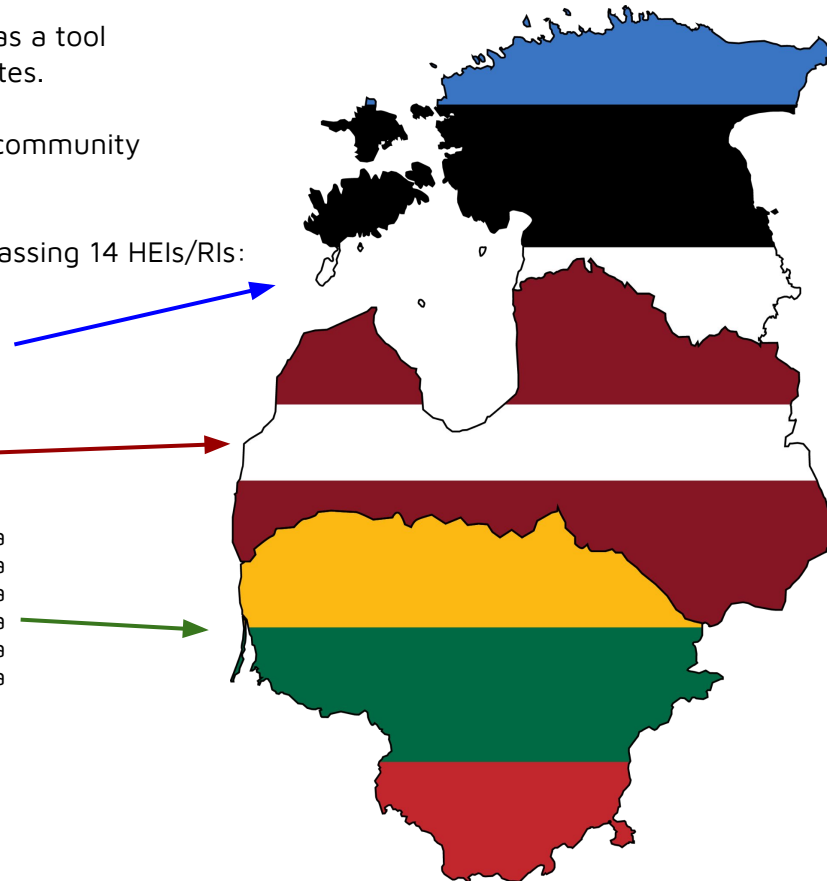
Kuldīga, Latvia, 5th-9th of August, 2024



- [CERN Baltic Group](#) was officially established on the 28th of May, 2018, as a tool to enhance the scientific collaboration between CERN and the Baltic states.
- In particular, the aim of CBG is to grow and to strengthen the scientific community of HEP and accelerator physics and technologies in the region.
- Originally, started by a couple of HEIs/RIs from the region, now encompassing 14 HEIs/RIs:

- Tallinn University of Technology (TTU, TalTech),
- National Institute of Chemical Physics and Biophysics (NICPB),
- University of Tartu (UT),
- Riga Technical University (RTU),
- University of Latvia (UL),
- Riga Stradins University (RSU),
- Ventspils University of Applied Sciences (VU),
- Daugavpils University (DU),
- Vilnius University (VU),
- Kaunas University of Technology (KTU),
- Vytautas Magnus University (VMU),
- Lithuanian Energy Institute (LEI),
- Lithuanian University of Health Sciences (LUHS),
- National Cancer Institute (NCI),

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- COST Action 22130: COMprehensive Multi-boson Experiment-Theory Action (COMETA) was initiated on 18/09/2023 and is currently scheduled to run until 17/09/2027.
- COMETA has five working groups, covering **three** interlinked scientific directions:
 - **WG1:** Theoretical framework, precision calculations and simulation (Giovanni Pelliccioli; Ramona Groeber);
 - **WG2:** Technological innovation in data analysis (Alessandra Cappati; Riccardo Finotello; Claudius Krause);
 - **WG3:** Experimental measurements (Valentina Maria Martina Cairo; Matteo Presilla);
 - **WG4:** Management and event organization (Arnaud Ferrari; Pietro Govoni);
 - **WG5:** Inclusiveness and Outreach (Flavia de Almeida Dias; Kārlis Dreimanis);
 - **Action chair:** Ilaria Brivio; **action vice-chair:** Karolos Potamianos.
- If you think COMETA is relevant to you, sign-up on the CA website: <https://www.cost.eu/actions/CA22130/> !
- COMETA webpage is still under development, but you can watch this space: <https://cometa.web.cern.ch> !



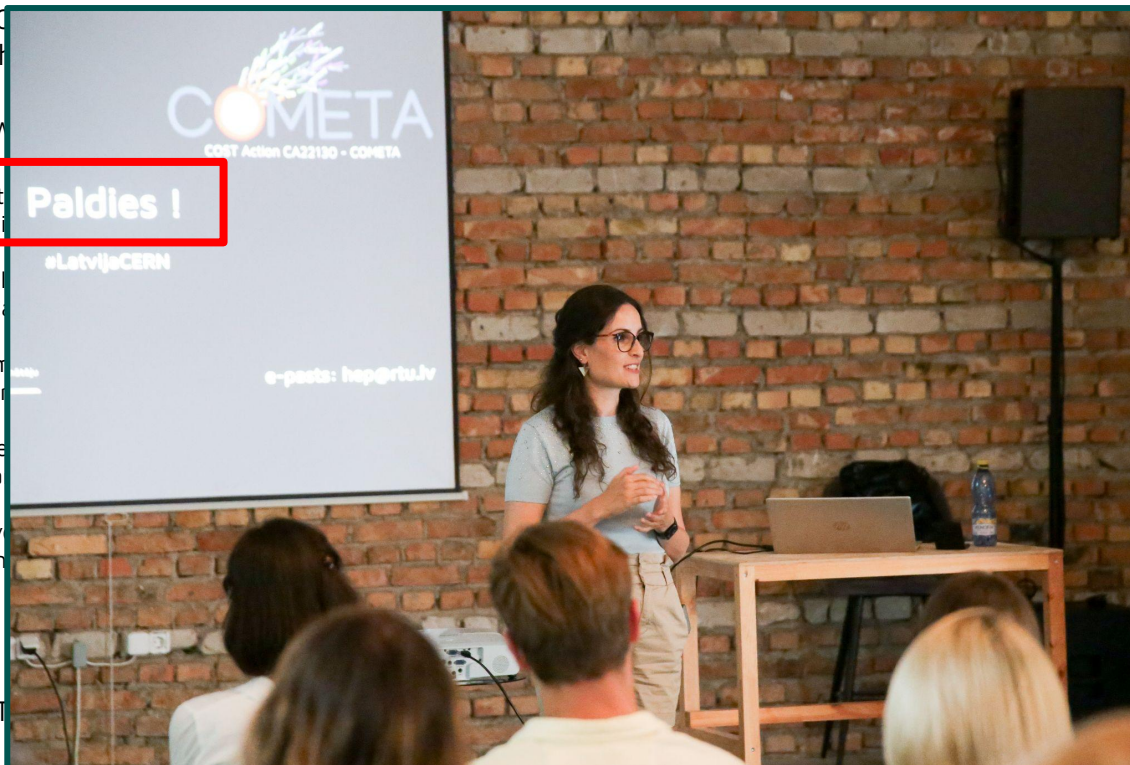
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- COMETA has five w

- **WG1:** Theoret (Giovanni Pell
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- **WG5:** Inclusiv (Flavia de Alm
- **Action chair:**

- If you think COMET

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8/09/2023

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- Over the last week, you have enjoyed a total of ~ **25 hours of lectures** on ...

- Quantum Field Theory & the Standard Model;
 - Accelerator physics, technologies & applications;
 - Experiments in High-Energy Physics;
 - Effective Field Theory;
 - Beyond the Standard Model physics;
 - Machine Learning in HEP;
- and
- Future accelerators/colliders.

BALTIC SCHOOL OF HIGH ENERGY PHYSICS AND ACCELERATOR TECHNOLOGIES
2024 August 5-9 Kuldīga, Latvia

Scientific Programme

- Quantum Field Theory & Standard Model
- Beyond the Standard Model physics
- Effective Field Theory
- Higgs physics at the LHC
- Topics in Machine Learning
- Accelerator Physics
- Accelerator Applications
- Future Accelerators

Lecturers

- Leonid Rivkin (EPFL & PSI)
- Maurizio Vretenar (CERN)
- Jacqueline Keintzel (CERN)
- Klaus Desch (University of Bonn)
- Ramon Winterhalder (UCLouvain)
- John Ellis (King's College London & CERN)
- Timothy Cohen (EPFL, Univ. of Oregon & CERN)
- Mark Thomson (University of Cambridge & STFC)

Scientific Committee

- Ilaria Brivio (University of Bologna, IT)
- Karolos Potamianos (University of Warwick, UK)
- Giovanni Pelliccioli (Max-Planck Institute, DE)
- Alessandro Cappati (Ecole polytechnique, FR)
- Valentine Cairo (CERN)
- Arnaud Ferrari (Uppsala University, SE)
- Flavia De Almeida Dias (NIKHEF, NL)
- Ramona Grober (University of Padova, IT)
- Riccardo Finotello (CEA, FR)
- Claudius Krause (HEPHY, AT)
- Matteo Presilla (KIT, DE)
- Pietro Govoni (University of Milano-Bicocca, IT)
- Kadri Oademir (Uzmin-Bekroy University, TR)
- Richard Ruiz (Institute of Nuclear Physics, PAN, PL)
- Kārlis Dreimanis (RTU, LV)

Local organizers

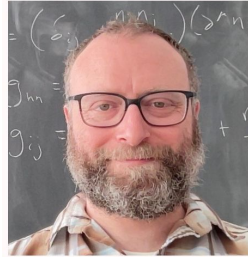
- Kārlis Dreimanis
- Gundega Selga Horsta
- Silva Vītola
- Kristaps Paļskis

Registration deadline
14th of June

For more information:
<https://indico.cern.ch/event/1396216/>
 hep@rtu.lv



- Over the last week, you have enjoyed a total of ~ **25 hours of lectures** given by **8 awesome lecturers** !

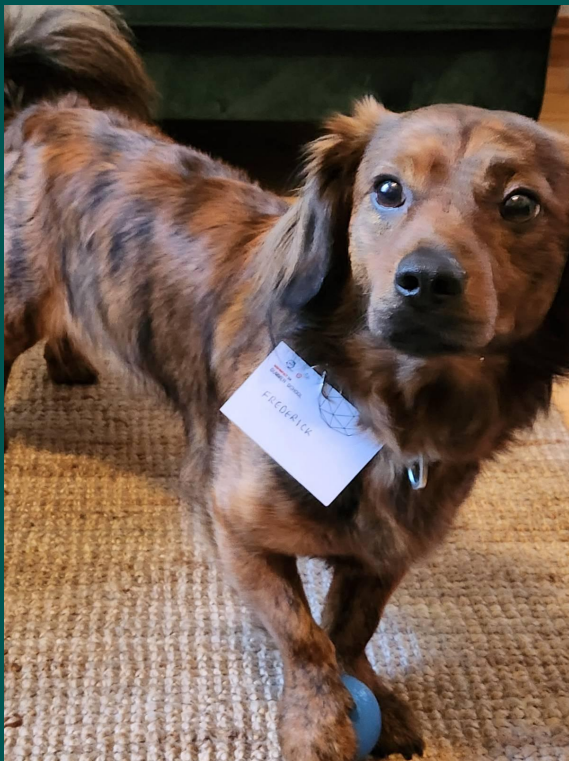












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