



Institute of Particle Physics and
Accelerator Technologies

4th Baltic School of High-Energy Physics and Accelerator Technologies 2024

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

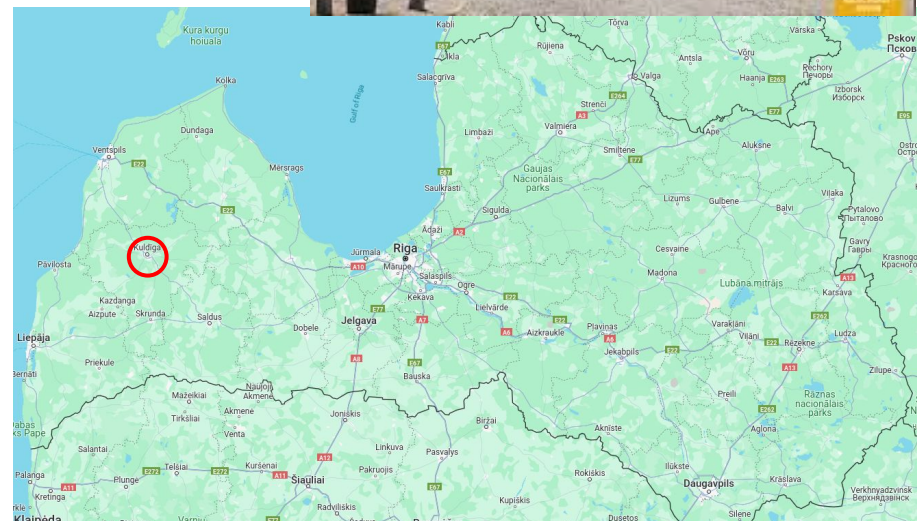
Kārlis Dreimanis

13th CBG General Meeting, CERN

22.03.2024



- BSHEPAT'24 will take place in Kuldīga, on the week of 5th-9th of August, 2024.
- We have identified (and pre-booked) accommodation and the venue.
 - Planned venue : Kuldīgas Centra vidusskola
 - Planned accommodation #1: [Metropole](#);
 - Planned accommodation #2 [SĪMANIS Boutique Hotel](#):
 - Currently sufficient room for 45 people, but we will seek further accommodation options as required.
- Approximate (optimistic) total event cost: ~32-35 KEUR;
- Support from CA22130 - COMETA:
 - Local Organiser Support: 3.5 KEUR;
 - Participant (trainer and trainee) support: 21.5 KEUR;
 - **NB!** A minimum of around 10.0 KEUR will go directly to the participant costs.
- COMETA will cover all expenses for ~25 participants, provided they are COST-eligible.
- Master's students are not COST eligible, but we will seek options to cover master's students from the CBG partners, if/when such a need arises.



- COST Action 22130: **COMprehensive Multi-boson Experiment-Theory Action** (COMETA) is a *new* CA, which was initiated on 18/09/2023 and is currently scheduled to run until 17/09/2027.
- There are 23 participating countries, including Latvia (Kārlis Dreimanis, RTU) and Estonia (Torben Lange, NICPB); Lithuania is not represented at the moment (but we hope to change this in due course).
- 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.
- Events co-organised by COMETA, obviously, must have at least strong partial focus on the scientific directions of the action !





- Current scientific committee for BSHEPAT'24 from the CBG side:
 - Toms Torims (RTU);
 - Christoph Schaefer (CERN);
 - Maurizio Vretenar (CERN);
 - Erika Korobeinikova (LSMU);
 - Brigita Abakevičienė (KTU);
 - Fjodor Sergejev (TTU, TalTech);
 - Jevgenijs Proskurins (RSU);
 - Aurelijus RinkeStankunasvičius (VU);
 - Gediminas (LEI);
- + myself as both CBG & COMETA.
- Poster draft ready (only minor changes expected)
- Big thanks to Kristaps !



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

TBC

Scientific Committee

Iliaria Brivio (University of Bologna, IT)
Karolos Potamianos (University of Warwick, UK)
Giovanni Pelliccioli (Max-Planck Institute, DE)
Alessandra Cappati (Ecole polytechnique, FR)
Valentina Cairo (CERN)
Arnau Ferrarri (Uppsala University, SE)
Flavia De Almeida Dias (NIKHEF, NL)
Ramona Groeber (University of Padova, IT)
Riccardo Fioletto (CEA, FR)
Claudius Krause (HEPHY, AT)
Matteo Presilla (KIT, DE)
Pietro Govani (University of Milano-Bicocca, IT)
Kārlis Dreimanis (RTU, LV)

Local organizers

Kārlis Dreimanis
Gundega Salga Horste
Silva Vitola
Kristaps Paļskis

Registration deadline
1st of June

For more information:

<https://indico.cern.ch/event/XXXXXXX/>
hep@rtu.lv





BSHEPAT'24 - prog.

- Current draft programme (following initial discussions):
 - 17x 90-minute lecture blocks; (lecturer's choice on 1x90 or 2x40, with a 10 min break)
 - 1x 60 minute keynote / general / offtopic talk;
 - 1x school dinner;
 - 1x excursion (potentially Irbene radio-telescope);
 - 1x outreach event promoting HEP & COMETA;

#	Topic	Volume	Option 1
1	QFT & SM	2x90 or 3x90	Mark Thomson
2	BSM	2x90	John Ellis
3	EFT (SM+H)	2x90 or 3x90	Tim Cohen
4	HEP exp.	2x90	Klaus Desch
5	Machine Learning	2x90 to 3x90	Lydia Brenner*
6	Accelerator physics & tech.	2x90 to 3x90	Maurizio Vretenar, Leonid
7	Future accelerators (tech.)	1x90	Jacqueline Keintzel
8	Future accelerators (phys.)	1x90	Jacqueline Keintzel**
9	Accelerator applications (incl. med)	1x90	Maurizio Vretenar & Leoni

	Contacted - YES
	Contacted - tentative yes
	Contacted - reply pending
	Contacted - interested
	Contacted - NO
	Not yet contacted

Time	Sunday (04.08.)	Monday (05.08.)	Tuesday (06.08.)	Wednesday (07.08.)	Thursday (08.08.)	Friday (09.08.)
07:00-07:15				Breakfast	Breakfast	Breakfast
07:15-07:30		Shuttle				
07:30-07:45			Breakfast			
08:00-08:15			LB V			
08:15-08:30		Arrival & registration		LB VIII	LB XII	LB XVI
08:30-08:45		Welcome	Coffee			
09:00-09:15				Coffee	Coffee	Coffee
09:15-09:30		LB I	LB VI	LB IX	LB XIII	LB XVII
09:30-09:45						
10:00-10:15	Arrival	Lunch	Lunch			
10:15-10:30				Lunch	Lunch	Close & Coffee
10:30-10:45		LB II	LB VII			
11:00-11:15				LB X	LB XIV	Shuttle
11:15-11:30		Coffee	Coffee			
11:30-11:45				Coffee	Coffee	
12:00-12:15		LB III	Excursion to Irbene	LB XI	LB XV	Enjoy Rigas &
12:15-12:30						
12:30-12:45		Coffee		Coffee		
13:00-13:15		Shuttle	LB IV	Coffee	Free time,	
13:15-13:30				Keynote		
13:30-13:45				Free time		
14:00-14:15		Arrival &				
14:15-14:30			Free time,	School dinner		
14:30-14:45						
15:00-15:15		Free		Free time		
15:15-15:30						
15:30-15:45						
16:00-16:15						
16:15-16:30						
16:30-16:45						
17:00-17:15						
17:15-17:30						
17:30-17:45						
18:00-18:15						
18:15-18:30						
18:30-18:45						
19:00-19:15						
19:15-19:30						
19:30-19:45						
20:00-20:15						
20:15-20:30						
20:30-20:45						
21:00-21:15						
21:15-21:30						
21:30-21:45						
22:00-22:15						
22:15-22:30						
22:30-22:45						

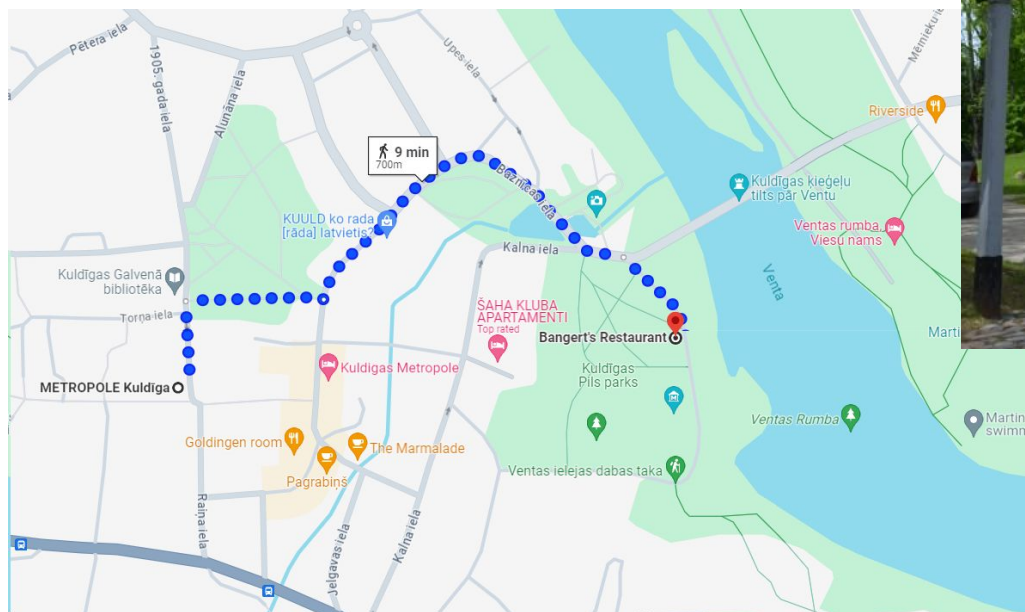
- Main venue; coffee breaks, conveniently, possible on the mezzanine area.



- The main “entertainment” planned to be a [visit to the Irbene radio telescope](#).
- Potentially a short excursion / dinner options in Ventspils on the route back.
- Planned for Tuesday.
- “A bit of a drive”, 1.5 hours each way.
- 2 hour guided excursion !
- Looks very exciting (I have never been).



- The school dinner is planned at the restaurant Bangerts on the bank of river Venta.
- Very close to all the hotels & the school venue !
(Everything within Kudīga is a 15 minute walking radius !)



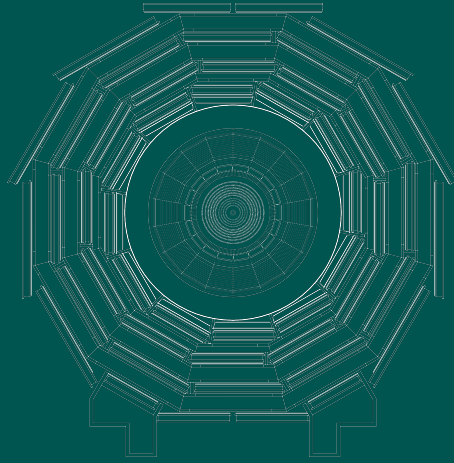
- Planning on-going, but everything seems to be in good order !
- Almost all lecturers have given at least a 'tentative' yes.
- Required budget seems to be attainable (24 kEur from COMETA !);
- Hope to have everything ready for an announcement within 2-3 weeks !
- CBG partners should start looking for applicable participants !



BALTIC SCHOOL OF HIGH ENERGY PHYSICS AND ACCELERATOR TECHNOLOGIES

2024 August 5-9
Kuldiga, Latvia





Thank you