

Centre of High-Energy Physics and Accelerator Technologies

# Baltic School of "High-Energy Physics and Accelerator Technologies"



#### Kārlis Dreimanis

on behalf of the CERN Baltic Group and the local organising committee

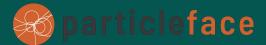
28.06.2021







#### Introduction



• Since 2019 CBG has pursued an option of organising a regional training school in high-energy physics and accelerator research in the Baltic States;

 The school is planned to be an annual event aimed, mainly, at the first-year doctoral students and is to rotate through the Baltic countries;

- The first school is organised by the Riga Technical University (RTU) in Latvia;
- In Winter of 2020 we made a successful bid for COST funding form the COST Action
   CA16201 PARTICLEFACE [more information on the action can be found here];

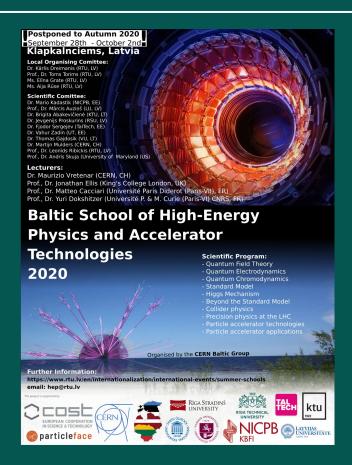


#### **Baltic School 2020**



 Baltic School 2020 planned to take place on the first week of August at the RTU camping "Ronīši" (later postponed to autumn due to a small issue);

- Week-long intensive school in HEP&AT;
- Four world-class lecturers recruited:
  - Yuri Dokshitzer;
  - John Ellis;
  - Matteo Cacciari;
  - Maurizio Vretenar;





### Baltic School 20201



 The inaugural event was moved to the summer of 2021 - will take place in August in "Ronīši";

Secured COST funding roll-over from 2020;

Secured same world-class lecturers;

Managed to make a nicer poster!

[school indico page, here]





# Baltic School 2021 - Organisers



• The organiser of this school is the CERN Baltic Group!

- This edition organised/hosted by RTU;
- Committees:
  - Scientific Committee
  - Local Organising Committee

Dr. Kārlis Dreimanis (RTU, LV)
Prof. Dr. Toms Torims (RTU, LV)
Ms. Elīna Grate (RTU, LV)
Ms. Aija Rūse (RTU, LV)
Andris Potrebko (RTU, LV)

Dr. Mario Kadastik (NICPB, EE) Prof. Dr. Mārcis Auziņš (LU, LV)

Dr. Brigita Abakevičienė (KTU, LT)

Prof. Dr. Renno Veinthal (TalTech, EE)

Dr. Vahur Zadin (UT, EE)

Dr. Thomas Gajdosik (VU, LT)

Dr. Martijn Mulders (CERN)

Prof. Dr. Leonīds Ribickis (RTU, LV)

Dr. Jevgenijs Proskurins (RSU, LV)

Dr. Aleksas Mazeliauskas (CERN)



#### Baltic School 2021 - Contents



- The inaugural edition is an intensive week-long school:
  - 18+ hours of lectures;
  - 6 hours of flexible discussion and exercise sessions;

- <u>Preliminary</u> timetable
- Topics covered:
  - QFT, QED, QCD;
  - o SM, BSM;
  - Basics of MC, MC&NLO, jet substructure;
  - Accelerator physics & technologies;
- Some networking activities;

Time	Monday	Tuesday	Wednesday	Thursday	Friday
07:00					
	i	Breakfast			
08:15					
08:30					1
08:45					
09:00	Arrival	DS I	DS II	DS III	DS IV
09:15	and	(90 mins)	(90 mins)	(90 mins)	(90 mins)
09:30	registration				
09:45					
10:00		Coffee	Coffee	Coffee	Coffee
10:15					
10:30					
10:45			LB VII	1000	
11:00	Introduction	LB IV	(90 mins)	LB X	Close
11:15		(90 mins)		(90 mins)	(90 mins)
11:30					
11:45	LB I				
12:00	(90 mins)			-	
12:15			Lunch		
12:30		Lunch		Lunch	
12:45					Organised
13:00					departure
13:15	Lunch		LB VIII		to Riga
13:30			(90 mins)		
13:45					
14:00		LB V		LB XI	
14:15		(90 mins)	Coffee	(90 mins)	
14:30	LB II				
14:45	(90 mins)				
15:00		Coffee	LB IX	Coffee	
15:15			(90 mins)		
15:30	Coffee				
15:45	break	T D VII		TD WIT	
16:00		LB VI	D.	LB XII	
16:15	TD III	(90 mins)	Free	(90 mins)	e 9
16:30	LB III		time		
16:45	(90 mins)				
17:00			V		
17:15		1	Keynote		
17:30 17:45	Free		speaker		
18:00	time	Free		Free	0 0
18:15	une	time	i i	time	0
18:15		ume	School	ume	
	Welcome		dinner		8
	event		dimer		0
23:00	event		ļ.		
20.00					



# Baltic School 2021 - Participants



- We are limited to a maximum of 36 participants (trainees);
- The registration deadline was 25<sup>th</sup> of June;
- Received a total of 69 applications from 24 countries!
- Due to the financing mechanism, we are expected to prioritise COST eligible applicants;
- Additionally, the CBG has agreed to prioritise (to a degree) the Baltic participation;
- Exactly **36** applicants are **COST eligible**, of which **18** are **from CBG institutes**;



## Summary

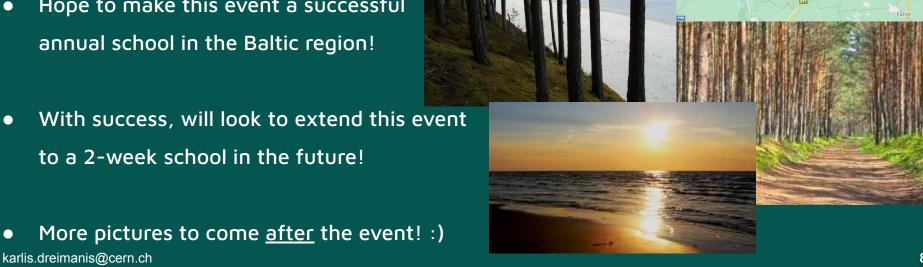


Hope for a wonderful school on the sea-side!

Aim to build relationships for our early-careers

researchers!

Hope to make this event a successful annual school in the Baltic region!





Questions