



RIGA TECHNICAL
UNIVERSITY

Centre of High-Energy Physics and
Accelerator Technologies

Recap of BSHEPAT21



CERN Baltic Group

*Event took place in
Klāpkalnciems, Latvia
02.08.21-06.08.21*

20.01.2022





- Give Y1* PhD students a dense *crash course* in high-energy physics theory, accelerator physics and accelerator technologies;
- Make this an annual school in the Baltics with broadly similar topics, scope, intensity and duration, i.e. the plan is not to massively alter the content year-to-year; relatively stable *bootcamp* for Y1s;
- We prioritise students from the Baltic states, but we want this to be as international as possible;

* - of course we keep this open to other participants (later PhDs, research masters, even post-docs), but we aim to tailor this for end-of-Y1-PhDs in HEP and accelerator research;



BALTIC SCHOOL OF HIGH-ENERGY PHYSICS AND ACCELERATOR TECHNOLOGIES 2021

Klapkalnciems, Latvia
August 2 - August 6, 2021

Lecturers:

Dr. Maurizio Vretenar
Prof. Dr. Jonathan Ellis
Prof. Dr. Yuri Dokshitzer
Prof. Dr. Matteo Cacciari

Scientific Program:

- Quantum Field Theory
- Quantum Electrodynamics
- Quantum Chromodynamics
- Standard Model
- Higgs Mechanism
- Beyond the Standard Model
- Collider physics
- Precision physics at the LHC
- Particle accelerator technologies
- Particle accelerator applications

Local Organizing Comitee:

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

Scientific Comitee:

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)

Further information:
<https://www.rtu.lv/en/hep/education/summer-school>
email: hep@rtu.lv

Registration deadline: June 25th

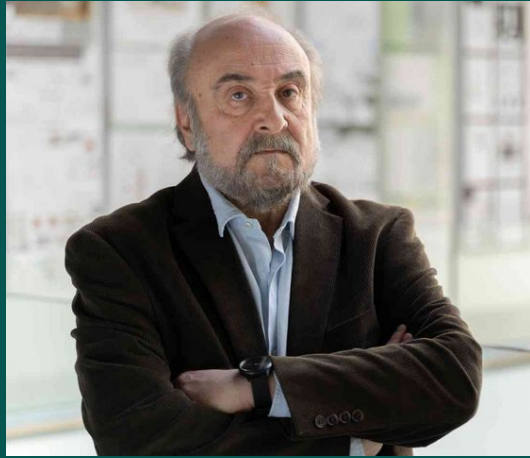




Programme

Time	Monday	Tuesday	Wednesday	Thursday	Friday
07:00	Arrival and registration	Breakfast			
...					
08:30					
08:45					
09:00		DS I (60 mins)	DS II (60 mins)	DS III (60 mins)	DS IV (60 mins)
09:10					
09:15		Coffee	Coffee	Coffee	Coffee
09:30					
10:00		LB IV (90 mins)	LB VII (90 mins)	LB X (90 mins)	Close (90 mins)
10:15					
10:30					
10:45					
11:00	LB I (90 mins)	Lunch	Lunch	Organised departure to Riga	
11:15					
11:30					
11:45					
12:00	Lunch	LB VIII (90 mins)			
12:15					
12:30	Lunch				
12:45					
13:00					
13:15					
13:30					

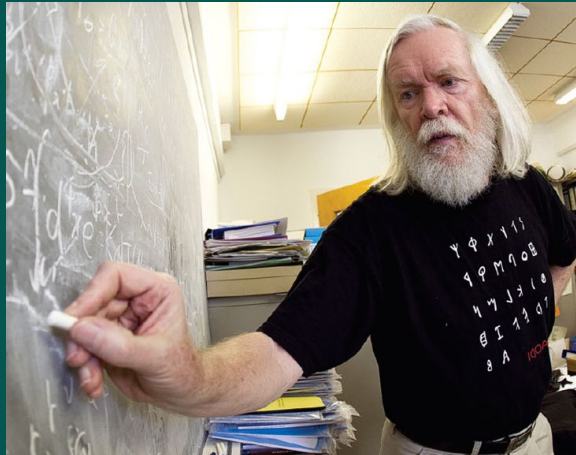
13:45	LB II (90 mins)	LB V (90 mins)	Coffee	LB XI (90 mins)
14:00				
14:15				
14:30				
14:45	Coffee	LB IX (90 mins)	Coffee	
15:00				
15:15	Coffee break	LB VI (90 mins)	Free time	LB XII (90 mins)
15:30				
15:45	LB III (90 mins)	Free time	Keynote talk [TBC]	Free time
16:00				
16:15				
16:30				
16:45	Free time	Experimental talk and discussion	School dinner	
17:00				
17:15	Free time	Free time		
17:30				
17:45				
18:00				
18:15	Official opening and Welcome!	Free time		
18:30				
18:45				
19:00				
...				
...				
23:00				



Yuri Dokshitzer



Matteo Cacciari



John Ellis



Maurizio Vretenar



Participants

- Total number registered/applied: 69;
- The number of participants accepted: 30;
- Baltic participants: 15 (50%);

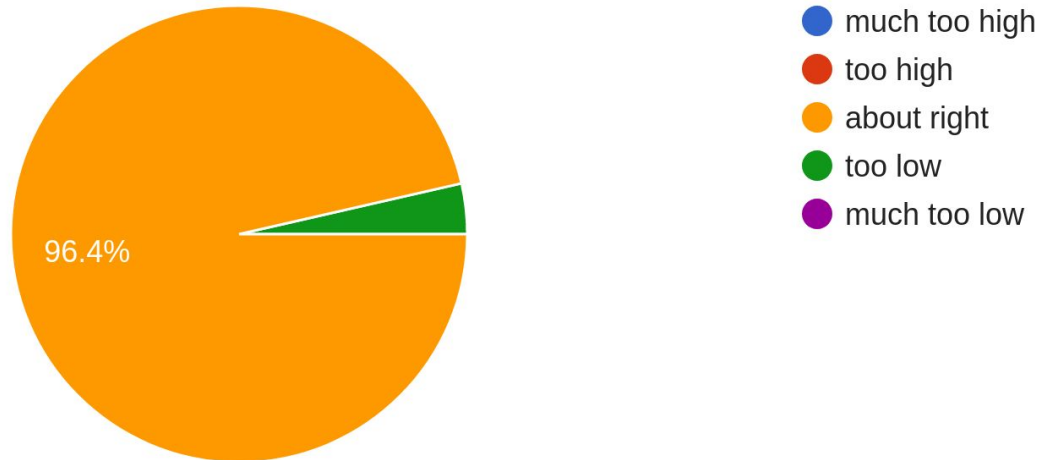
- Local organising budget: $\sim 3500 + 200 * \text{participants} = 9900$ Eur;
(essentially fully used; not yet sure of all numbers +/- 5% float);

- Aiming for attendance of at least ~ 50 would be *the dream* [form now];



The total number of lectures during the week was ...

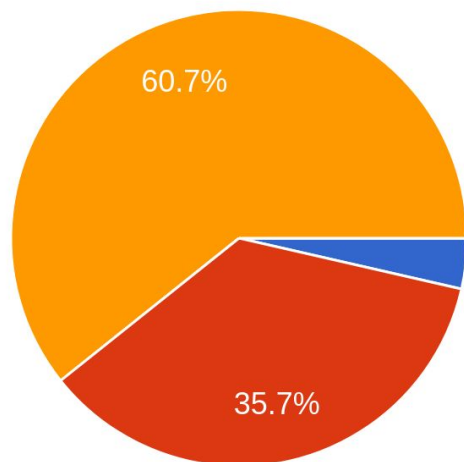
28 responses





The duration of each lecture was ...

28 responses

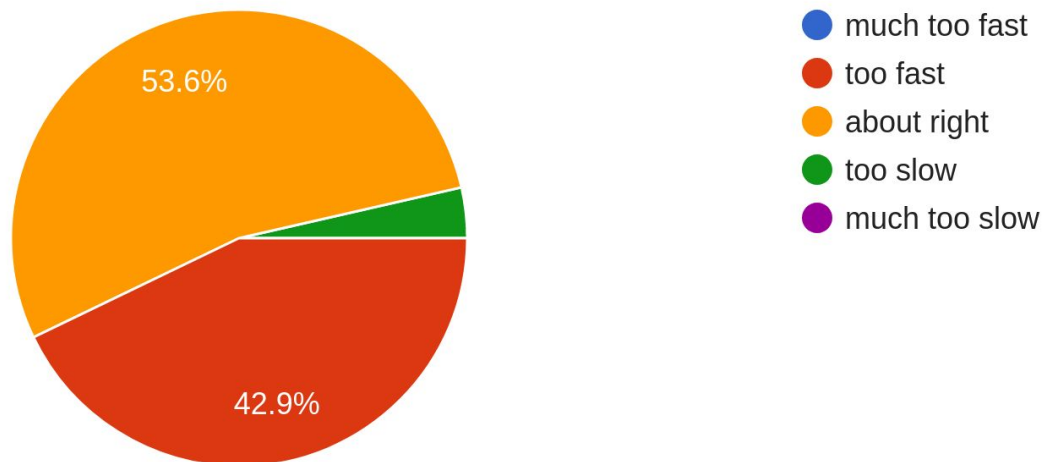


- much too long
- too long
- about right
- too short
- much too short



The pace of the lectures was ...

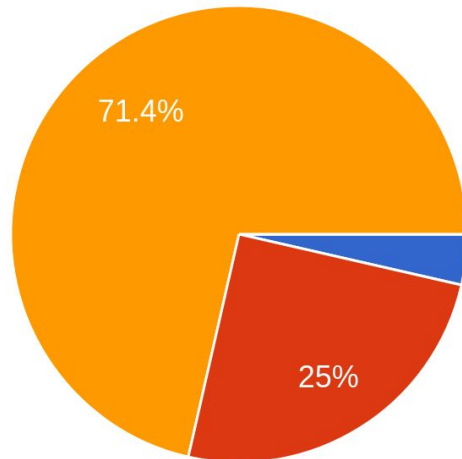
28 responses





The content of the lectures was ...

28 responses

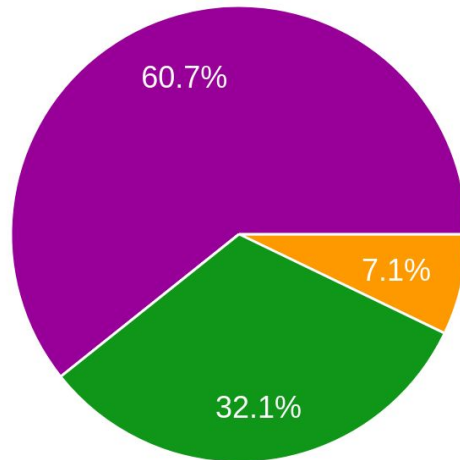


- much too difficult
- too difficult
- about right
- too easy
- much too easy



I am happy that I chose to participate in this event

28 responses



- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly Agree



I would recommend the BSHEPAT school to my colleagues and other students / young post-docs

28 responses

