



RIGA TECHNICAL
UNIVERSITY

Centre of High-Energy Physics and
Accelerator Technologies

Report on BSHEPAT2021



CERN Baltic Group

“Ronīši”, 02-06 of August 2021
Klāpkaļnciems, Latvia

23.08.2021





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

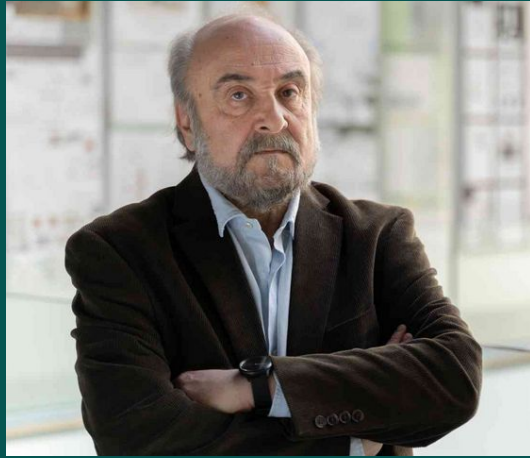




Programme

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					
09:30					
10:00		Coffee	Coffee	Coffee	Coffee
10:15					
10:30	LB I (90 mins)	LB IV (90 mins)	LB VII (90 mins)	LB X (90 mins)	Close (90 mins)
10:45					
11:00					
11:15					
11:30					
12:00					
12:15					
12:30		Lunch	Lunch	Lunch	
12:45					Organised departure to Riga
13:00					
13:15	Lunch		LB VIII (90 mins)		
13:30					

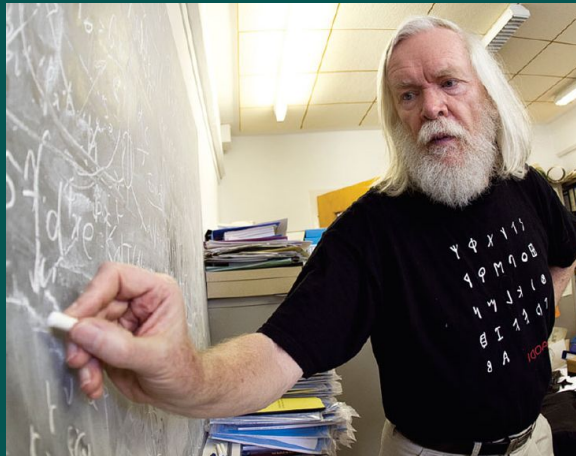
13:45				
14:00	LB II (90 mins)	LB V (90 mins)		LB XI (90 mins)
14:15			Coffee	
14:30				
14:45				
15:00		Coffee	LB IX (90 mins)	Coffee
15:15				
15:30	Coffee break			
15:45				
16:00		LB VI (90 mins)		LB XII (90 mins)
16:15	LB III (90 mins)		Free time	
16:30				
16:45				
17:00			Free time	
17:15	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



Yuri Dokshitzer



Matteo Cacciari



John Ellis



Maurizio Vretenar



- Total number registered/applied: 69;
- The number of participants accepted: 30*;
- Baltic participants:
 - Estonia: 3;
 - Latvia: 7*;
 - Lithuania: 5;
 - Baltic proportion: ~45-50%;
- Local organising budget: $\sim 3500 + 200 * \text{participants} = 9900 \text{ Eur}$;
(essentially fully used; not yet sure of all numbers +/- 5% float);



- The running of the school was smooth, in general;
- Two incidents to note:
 - One participant from BG (travelling through TR) was denied entry into the country (safely returned home and has been reimbursed their accommodation fee);
 - One participant reported testing positive for covid19 after returning home (other participants informed, only negative results reported from others);

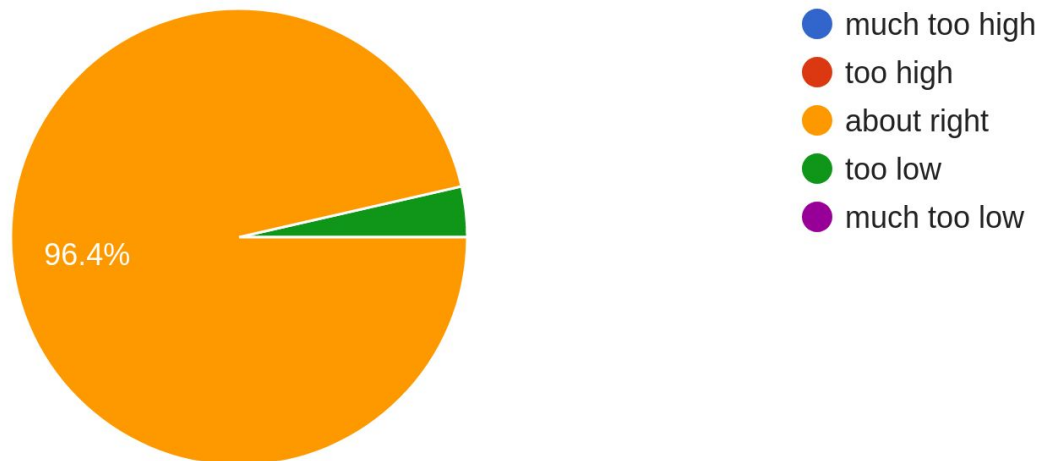


- Participants were kindly asked to provide feedback via google forms;
- 28/32 responses as of this morning;



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

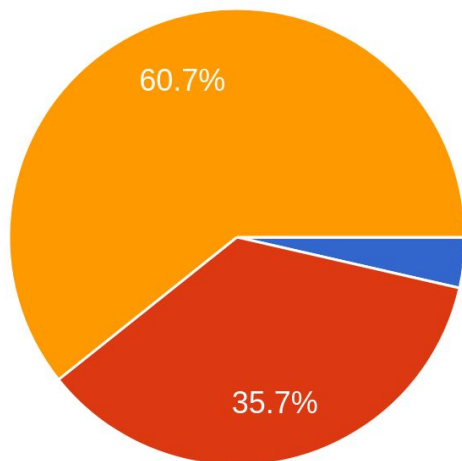
28 responses





The duration of each lecture was ...

28 responses

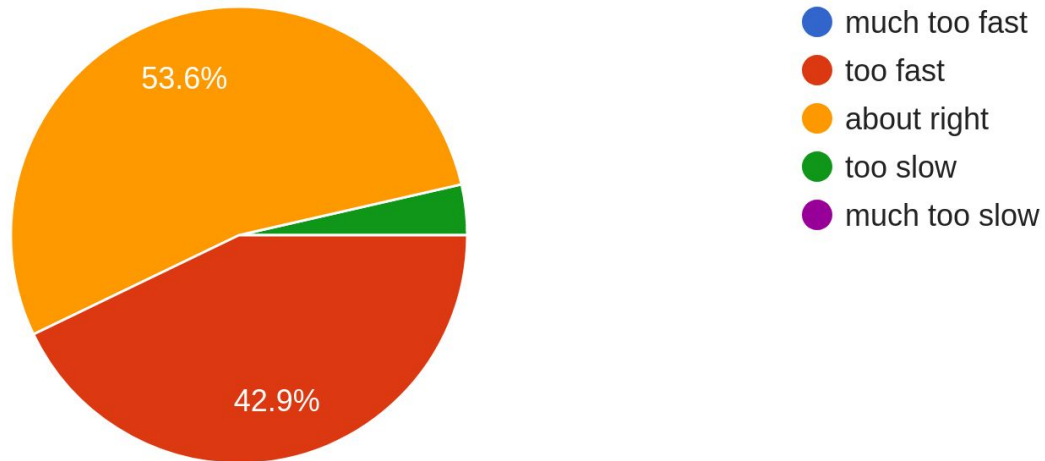


- much too long
- too long
- about right
- too short
- much too short



The pace of the lectures was ...

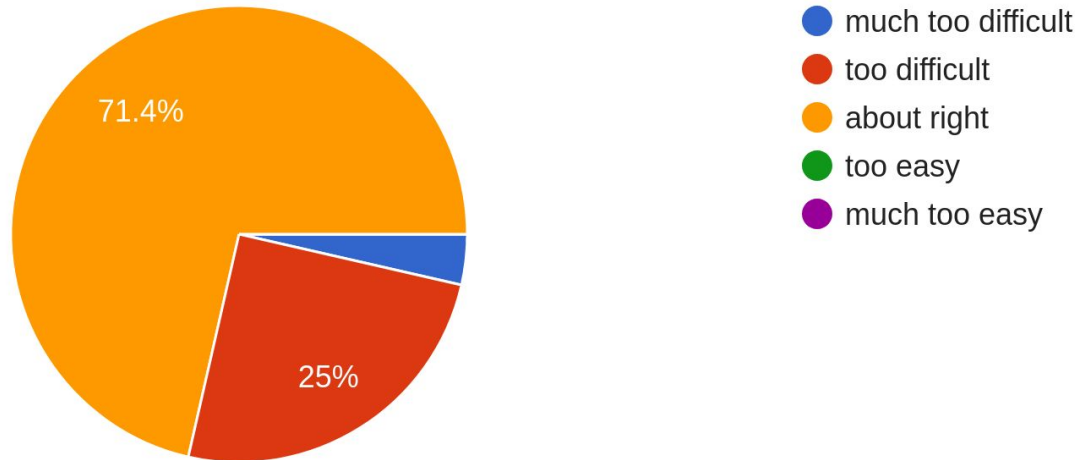
28 responses





The content of the lectures was ...

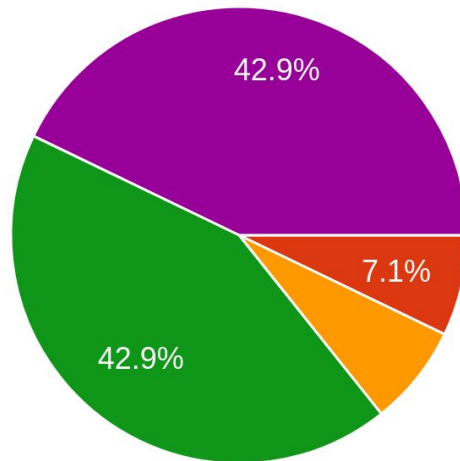
28 responses





I acquired a lot of new knowledge during this school

28 responses

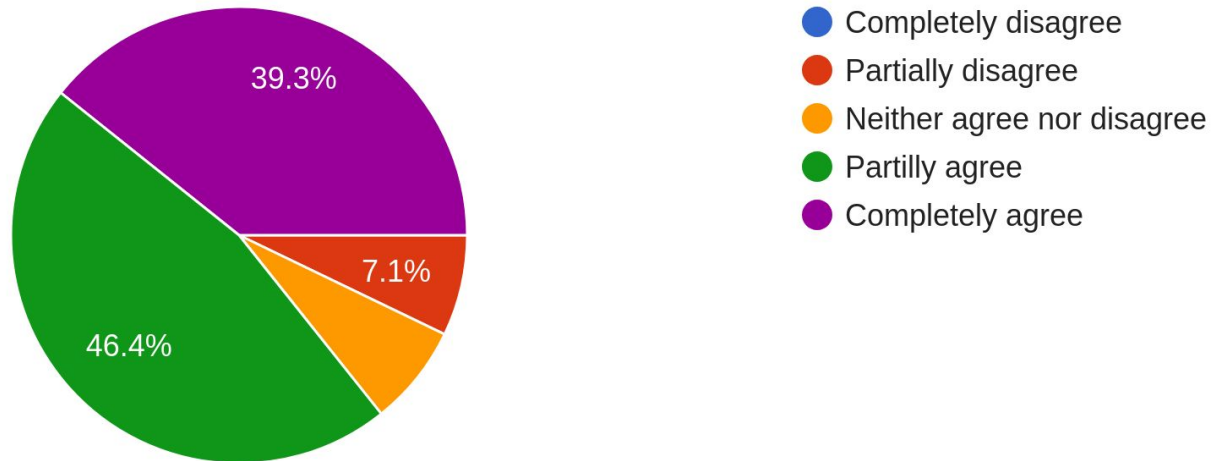


- Completely disagree
- Partially disagree
- Neither agree nor disagree
- Partially agree
- Completely agree



I gained better understanding of the knowledge I already had

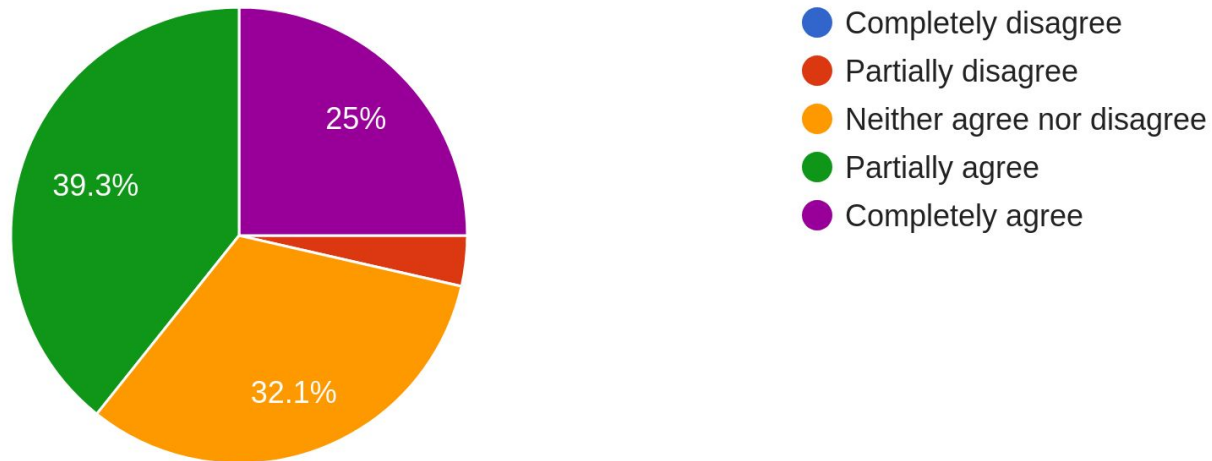
28 responses





I believe this event will have a beneficial impact on my research activities and/or the quality of my thesis

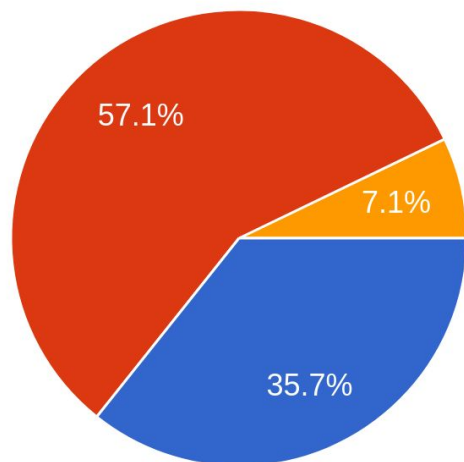
28 responses





The balance between physics and technologies lecture content was ..

28 responses

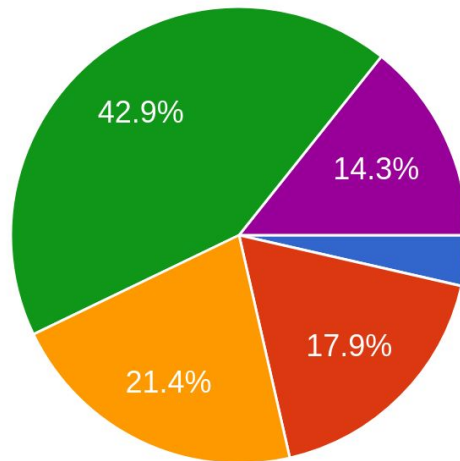


- too much physics / not enough accelerator technologies
- about right
- too much accelerator technologies / not enough physics



I was happy with the accommodation provided

28 responses

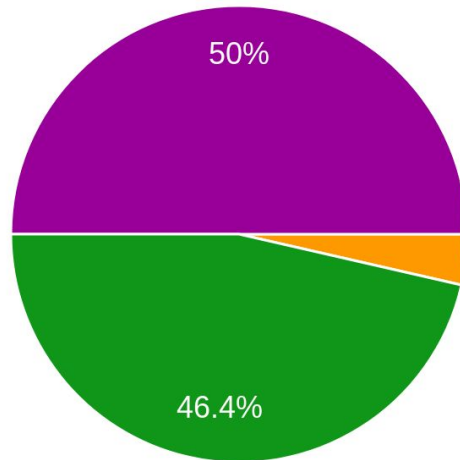


- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree



I was happy with the lecture venue

28 responses

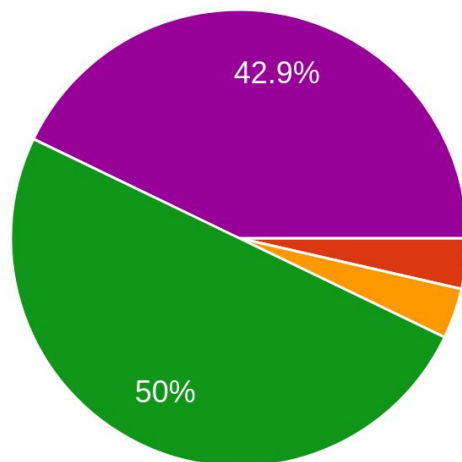


- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree



I was happy with the social programme at this event

28 responses

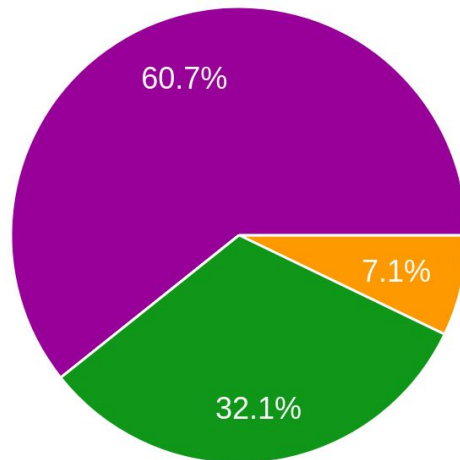


- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree



I am happy that I chose to participate in this event

28 responses

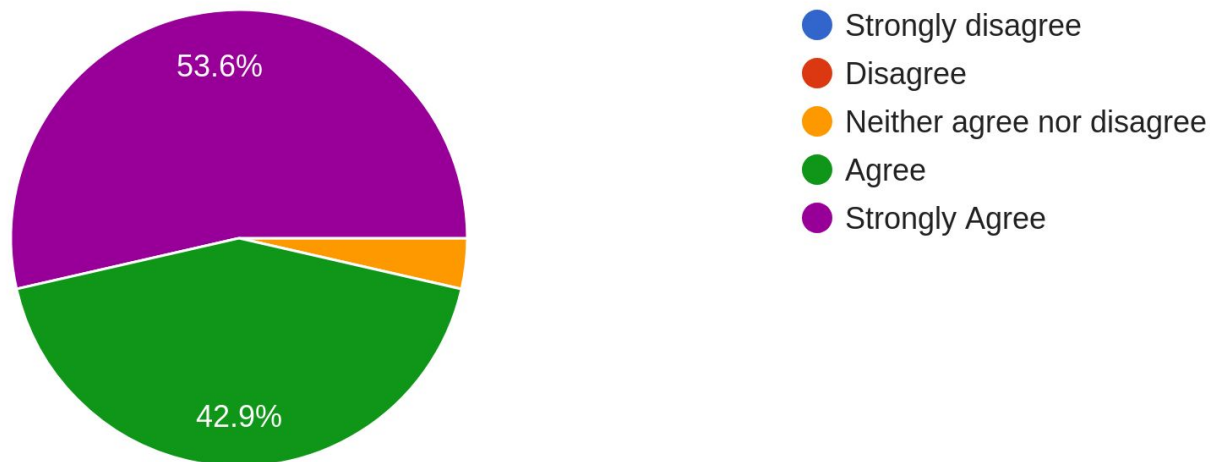


- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly Agree



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

28 responses





Local organisers



Aija Rūse



Elīna Grate



Silva Vītola



Andris Potrebko



Group Photo

