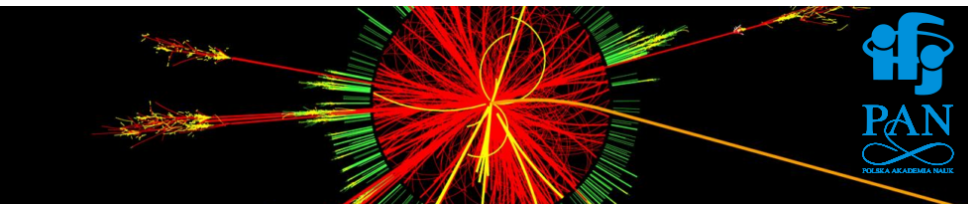


Particle Physics Summer Student Programme

Student Presentations

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Institute of Nuclear Physics Polish Academy of Sciences

July 2020

- During the last day of PPSS Programme (Friday 31/07) a mini-conference will be organized – you will present results of your projects.
- You are expected to actively listen to all presentations. After each talk feel encouraged to ask questions.
- **Duration of your talk should be exactly 10 min plus 2 minutes for questions (10+2).** Session conveners will strictly keep the schedule – after 10 min presenters will be asked to stop regardless on the progress (*i.e.* even if being in the middle of the talk).
- Please e-mail presentations to ppss@ifj.edu.pl (or send the link to download in case of big file) **until Thursday June, 30th 20:00.**
- Presentations will be posted on the ppss webpage.
- Presentations will be given via Zoom:
 - <https://cern.zoom.us/j/93025913617?pwd=ZnpiYWVhMmMxncUwYycFp4VmdLUT09>
 - meeting ID: 930 2591 3617
 - password: 000000
- Please test your microphone beforehand to avoid surprises.
- Presentation is given by one or both students. It is up to you to decide. Presentation must not be given by tutor.
- During presentation you will be a co-host, which will allow you to share your screen and unmute your microphone.
- Talks will be recorded and posted on the ppss webpage.
- After hearing all presentations you will vote for the best one.

Agenda (I)

09:00 – 09:10	introduction	
09:10 – 09:22	Suraj Kumar Singh, Sergiusz Warg	A preprocessing of data from the gamma radiation detector
09:22 – 09:34	Nazar Semkiv, Arantza Pineda Gonzalez	Study of semi-inclusive characteristics for $B \rightarrow D/D_s hX$ decays at Belle II
09:34 – 09:46	Piotr Skala, Adam Gomulka	Reconstruction of hadronic showers in ATLAS Forward Proton detectors
09:46 – 09:58	Maciej Kuta, Viktoriia Lysenko	Analysis of Cluster Shapes in the ATLAS AFP Detector
09:58 – 10:10	Kacper Pryga, Vladyslav Rezohlazov	Analysis of Proton Transport Through LHC
10:10 – 10:20	break	
10:20 – 10:32	Aleksandra Baszak, Joseph Cave	Detector Control System for AFP detector in ATLAS experiment at CERN: design of graphical user interfaces
10:32 – 10:44	Eyup Unlu, Tymoteusz Ciesielski	Reconstruction of particle tracks using Deep Neural Networks
10:44 – 10:56	Louis Sayer, Teodora Prtenjak	Charged particle production in Xe+Xe collisions
10:56 – 11:08	Filip Rękawek, Alexia Mavrantoni	Detection of Cosmic-Ray Ensembles
11:08 – 11:20	Dominika Pacura, Marek Młynarski	Search for the new physics in the ATLAS detector at the LHC
11:20 – 11:30	break	

Agenda (II)

11:30 – 11:42	Oleksandr Skorenok, Ophir Moshe Ruimi	Bayesian Analysis of Cosmic Rays data for Earthquake Predictions
11:42 – 11:54	Mitanshu Thakore, Vladyslav Orlov	Search for lepton violation in $\tau^- \rightarrow \mu^- \mu^- \mu^+$ decays with Run2 of LHCb data
11:54 – 12:06	Mobin Moradi, Pawel Jucha	Particle production with electromagnetic heavy-ion dissociation at LHC energy
12:06 – 12:18	Niko Melikidze	Measurement of the J/Ψ production in dense and hot nuclear medium at ultra-relativistic energies with ALICE
12:18 – 12:30	Mariami Chabrava, Giorgi Grigolia	Photon reconstruction via Photon Conversion Method in the ALICE experiment at LHC
12:30 – 12:40	break	
12:40 – 12:52	Natalia Lisowska, Kuba Krawczyk	Particle correlations in ultrarelativistic ion collisions with ALICE at LHC
12:52 – 13:04	Ilia Elmanov, Anna Elmanova	ROOT4KaTie
13:04 – 13:16	Swapnil Dutta, Eslam Zenhom	Fast computations for global analysis of parton distributions
13:16 – 13:28	Aakanksha Dwivedi, Chaitanya Paranjape	Improving "Virtual Colliders"
13:28 – 13:40	voting	
13:40 – 13:50	break	
13:50 – 14:00	results and closing words	

- Webpage: <https://ppss.ifj.edu.pl/vote/index.php>
- Login and password are the same as for topic selection (please check old e-mails).
- Rule 1: exactly three topics must be selected.
- Rule 2: the same topic cannot be chosen more than once.
- You have time until Friday July 31, 2020 13:39:59 GMT+0100 (CEST) to vote.
- Until this deadline you may change/update your vote.
- **Please make a final decision after hearing all presentations!**

You did a fantastic job during the programme!

All presentations were very well prepared!

Congratulations to all the speakers!

1st place (14 votes)

???

2nd place (12 votes)

???

3rd place (8 votes)

???

1st place (14 votes)

???

2nd place (12 votes)

???

3rd place (8 votes)

Nazar Semkiv and Arantza Pineda Gonzalez
Swapnil Dutta and Eslam Zenhom

1st place (14 votes)

???

2nd place (12 votes)

Filip Rękawek and Alexia Mavrantoni

3rd place (8 votes)

Nazar Semkiv and Arantza Pineda Gonzalez

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2nd place (12 votes)

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