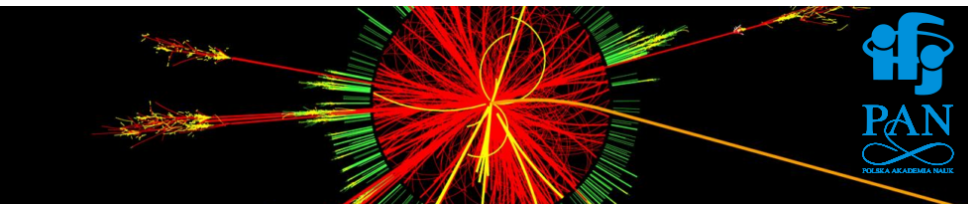# Particle Physics Summer Student Programme
Student Presentations

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Institute of Nuclear Physics Polish Academy of Sciences

2nd August 2019

Time	Presenters	Title
08:50 − 09:00	introduction	
09:00 − 09:12	Nadiia Maslova, Bartosz Idzior	Study of acceptance effects in angular analysis at Belle II experiment
09:12 − 09:24	Wiktor Mryka, Marcin Rudziński	Measurement of the direct CP violation in $B \rightarrow D_0 D_s^*$ decays using software from Belle II experiment
09:24 − 09:36	Anna Fedorova, Nermin Sadoun	Measurement of $B \rightarrow DD^{**}X$ decays in Belle II experiments
09:36 − 09:48	Javier Suarez, Daniel Firak	Cluster analysis of data from the silicon pixel detector
09:48 − 10:00	Arkadiusz Kasprzak, Jarosław Cierpich, Grzegorz Podsiadło	DbExplorer migration from Linux SLC6 to Linux CC7
10:00 − 10:12	Michał Idziakowski, Karolina Domijan	Search for invisible particles in exclusive processes at LHC
10:12 − 10:24	Karol Białas, Mateusz Slysz	Reconstruction of particle tracks using Deep Neural Networks and estimation of reconstruction errors
10:24 − 10:36	Jakub Češka, Yogesh Verma	Using Deep Neural for classification of multiparticle events
10:36 − 11:00	coffee break	
11:00 − 11:12	Łukasz Sokołowski, Aleksandra Kukiełka	Studies of properties of soft diffractive events based on output from Pythia Monte Carlo generator
11:12 − 11:24	Aleksandra Ludwik, Mateusz Marecki	Construction and tests of Arduino-based temperature readout
11:24 − 11:36	Anton Svetlichnyi, Kadir Tastepe	Charged particle production in Xe+Xe collisions
11:36 − 11:48	Jerzy Pryga, Weronika Stanek	Detection of Cosmic-Ray Showers
11:48 − 12:00	Nada Abdellatif, Marek Kowalik	Search for the new physics in the ATLAS detector at the LHC
12:00 − 12:12	Milena Simić, Karol Łukanowski	Two for the prize of one!
12:12 − 12:24	Gregor Košir, Georgios Papachatzakis	Radiation damage of the silicon sensors and (on)detector electronics in ATLAS experiment on the LHC and beyond
12:24 − 12:36	Miguel Ruiz, Dariusz Klimowicz	Study of neutrino interactions in the T2K experiment
12:36 − 13:30	lunch break	

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13:30 – 13:42	Nastasija Petkovic, Maria Liubarska	Muon tracks reconstruction for the Baikal Neutrino Telescope
13:42 – 13:54	Levente Fekésházy, Krzysztof Wal	Cosmic rays detector - from construction to signal analysis
13:54 – 14:06	Adam Tomczak, Dzmitry Budkouski	Quark/gluon jet discrimination using Machine Learning
14:06 – 14:18	Michał Kazanecki, Ihor Neporozhnii	Search for lepton violation in $B \rightarrow Ke\mu$ decay in the LHCb experiment
14:18 – 14:30	Maryna Oleksiienko, Marcin Jastrzębski	C++ interfaces for KaTie
14:30 – 14:50	voting / coffee break	
14:50 – 15:02	Joanna Szulc	Background studies in gamma-jet analysis
15:02 – 15:30	results	

Rules

Presentations:

- I will collect all presentations to post them on the webpage.
  - Presentations given in the first session (9:00 – 10:36) must be delivered to me latest until 8:50 (e-mail or on pendrive).
  - Presentations from 2nd (11:00 – 12:36) and 3rd (12:48 – 14:30) sessions must be delivered until the end of the first coffee break (11:00).
- **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).
- Convener will show you card with information "5", "2" and "1" minute left till the end.

Voting for best presentations:

- Vote on a given presentation is by putting X mark in the "Vote" column.
- You should vote for three best presentation (*i.e.* put exactly 3 X marks in the "Vote" column).
- It is not possible to vote multiple times on one presentation (*i.e.* putting two X marks in a row will not be double counted).
- Cards with more than 3 X marks are invalid and will not be taken into account.

You did a fantastic job during the programme!

All presentations were very well prepared!

Congratulations to all the speakers!

- Three presentations with most of votes will be prized – you will choose a book (one book per person).

- People speaking/reading Polish should choose from books written in Polish.

- Non-polish speaking/reading winners have a free choice between Polish and English books :)

- First, winners will choose a book, then students from 2nd place will choose, then 3rd place.

1st place (15 votes)
???

2nd place (14 votes)
???

3rd place (12 votes)
???

1st place (15 votes)
???

2nd place (14 votes)
???

3rd place (12 votes)
Nastasija Petkovic and Maria Liubarska

1st **place** (15 votes)
???

2nd **place** (14 votes)
Milena Simić and Karol Łukanowski

3rd **place** (12 votes)
Nastasija Petkovic and Maria Liubarska

1st place (15 votes)
Javier Suarez, Daniel Firak
and
Maryna Oleksiienko, Marcin Jastrzębski

2nd place (14 votes)
Milena Simić and Karol Łukanowski

3rd place (12 votes)
Nastasija Petkovic and Maria Liubarska

- Return access cards.

- Confirmations.

- Agreements.

- **Facebook – please like and share!**