Session Program

3 January 2018 to 1 December 2018

Student's Zone 2018 of the NICA Project

SCS 2018 / CZiITT

JINR DUBNA, B: 215; room 327
Joliot Curie 6

Friday 9 November

09:00

SCS 2018 / CZiITT: TeFeNica-2018
Session

09:00–09:10 **BMN online monitoring development**

Speaker
Mr Tomasz Bałdyga

09:10–09:20

Development and implementation of algorithms for BM@N GEM detector realistic simulation.

Speaker
Ms Elwira Schneider

09:20–09:30

Software development for particles analysing in pPb collisions at ALICE experiment at energy √SNN=5.02 TeV

Speaker
Mr Aleksander Szpakiewicz-Szatan

09:30–09:40

Measurements of radon (Rn-222) concentration in air samples from soil – RADON STATION

Speakers
Ms Klaudia Zardzewiała, Ms Monika Kutyła

09:40–09:50

Cosmic ray measurements - using those detectors in huge physical experiments as LHC or NICA

Speakers
Arkadiusz Foks, Sylwia Bazak, Piotr Wawrzyńczak, Regina Stachura, Mariusz Tomczyk, Magdalena Kolodziej

09:50–10:00

Design of cooling system for equipment installed in RACK's 42U and 47U 19", and constructions for cable, fibre optic and pipe routes

Speaker
Bartlomiej Juruc

10:00–10:10 **Slow control software for RACK power supply of Tof gas system**

Speaker
Dorota Zielińska

10:10–10:20

Fire extinguishing system development for the Slow Control System. (about Firesi FRS-RACK)

Speaker
Mr Nikita Diunin

10:20–10:30 **Intelligent Distribution System**

Speakers
Rami Faraj, Tomasz Kowalski

Location
Other Institutes

10:30–10:40 **ANDROID APPLICATION FOR NICA COMPLEX MANAGEMENT**

Speakers
Adam Biegański, Piotr Chruślicki, Marta Monikowska

10:40–10:50 **Gas System Control User Interface**

Speakers
Marek Wiejak, Przemysław Kaim

10:50–11:00

Development of the mixer module software for the gas system of the TOF/MPD detector

Speaker
Ms Angelika Kwiatek

11:00–11:30 **Coffee Break**

11:30–11:40

Adaptation of advanced regulators for gas system control Time of Flight detector in the NICA experimental complex.

Speaker
Zuzanna Treichel

11:40–11:50

Development of analysis module software for the gas system of the TOF/MPD detector

Speaker
Mr Michał Staniszewski

11:50–12:00

Returning gas pressure stabilization system in ToF detector using a pump suspended on magnetic bearings.

Speaker
Michał Gontarz

12:00–12:10

Returning gas pressure stabilization system in ToF detector using membrane pumps

Speaker
Mr Grzegorz Załęski

12:10–12:20 **Robot for measurements in space X Y Z**

Speaker
Mr Jakub Sękulski

12:20–12:30

Laser sensor locating the magnetic field indicator inside the main magnet of the BM@N detector

Speaker

Michal Szlupowicz

12:30–12:40 **Rover Vehicle; Measuring Robots for Great Physical Experiments**

Speaker

Mr Szymon Mączka

12:40–12:50 3

Development of software for monitoring temperature inside RACK cabinets for the Slow Control System of the TOF-MPD detector

Speaker

Marek Brynda

12:50–13:00 **Simulation of the heat transfer in the RACK cabinets**

Speaker

Mr Adam Kwaśnik

13:00–13:10 **Simulation of the heat transfer in the TOF-MPD**

Speaker

Maciej Czarnynoga

13:10–13:20 **Analyzing the thermal images taken by Fluke TiS20 thermal imager**

Speaker

Filip Protoklitow

Subcontributions

Slow Control Warsaw 2018

13:20–13:30 **Opportunities for young scientists and specialists at LHEP in JINR**

Speaker

Mr Krystian Roslon

14:00