

**Session Program**

**26-28 Feb 2018**

**LHC Days in Belarus 2018 Workshop**

***General session***

Other Institutes

Institute for Nuclear Problems BSU, Minsk, Belarus Room: 311

# Monday 26 February

13:00

## General session: Belarus, CERN and JINR cooperation

**Session** | **Location:** Other Institutes, Institute for Nuclear Problems BSU, Minsk, Belarus Room: 311

13:00–13:35

### Institute of physics NAS of Belarus in the ATLAS at LHC

**Speaker**

Yuri Koultschitski

13:35–14:10

### Upgrade of the ATLAS detector. JINR participation

**Speaker**

Alexander Cheplakov

14:10–14:40

### JINR in CMS construction and physics program

**Speaker**

Siarhei Shulha

14:40

15:00

## General session: Drell-Yan process study

**Session** | **Location:** Other Institutes, Institute for Nuclear Problems BSU, Minsk, Belarus Room: 311

15:00–15:40

### Precision Drell-Yan measurements by ATLAS

**Speaker**

Alexander Glazov

15:40–16:20

### NLO and FSR NNLO radiative corrections for Drell-Yan processes at LHC

**Speaker**

Vladimir Zykunov

16:20

16:35

## General session: Public lecture

**Session** | **Location:** Belarusian State University (BSU), Minsk, Belarus, Physics department, room 418

16:35–17:20

### Современные подходы к измерению партонной структуры нуклонов в физике элементарных частиц

**Speaker**

Sergey Alekhin

17:20

## Tuesday 27 February

10:00

### General session: Physics results

**Session** | **Location:** Other Institutes, Institute for Nuclear Problems BSU, Minsk, Belarus Room: 311

10:00–10:35

#### Some physics results and Bose-Einstein correlations study at 13 TeV with ATLAS

##### Speaker

Yuri Koultchitski

10:35–11:10

#### First results on determination of $Z$ - $Z'$ mixing with ATLAS and CMS diboson production data at the LHC at 13 TeV and predictions for RUN II

##### Speaker

Alexander Pankov

11:10–11:30

#### Break

11:30–12:00

#### The model of hadrons as Coherent states on the horosphere of the Lobachevsky momentum space. Fitting of the experimental data

##### Speakers

Siarhei Harkusha, Yurii Kurochkin

12:00–12:30

#### B-physics in ATLAS: production and spectroscopy

##### Speaker

Semen Turchikhin

12:30–13:00

#### B-physics in ATLAS: decays

##### Speaker

Vladimir Lyubushkin

13:00

14:00

### General session: ATLAS Tile Calorimeter study

**Session** | **Location:** Other Institutes, Institute for Nuclear Problems BSU, Minsk, Belarus Room: 311

14:00–14:40

#### ATLAS Tile Calorimeter calibration and performance

##### Speaker

Sanya Solodkov

14:40–15:20

#### ATLAS Tile Calorimeter upgrade for high luminosity LHC

##### Speaker

Oleg Solovyanov

15:20–15:50

#### Реконструкция информации с адронного Tile-калориметра установки ATLAS на LHC

##### Speaker

Siarhei Harkusha

15:50

16:10

**General session: Other physics****Session** | **Location:** Other Institutes, Institute for Nuclear Problems BSU, Minsk, Belarus Room: 311

16:10–16:40

**Jet energy measurements using Run-2 ATLAS data****Speaker**

Aliaksei Hrynevich

16:40–17:10

**Next target - neutrino****Speakers**

Valentin Gilewsky, I. Satsunkevich, M. Sobolewsky

17:10–17:40

**Complete one-loop electroweak corrections to polarized  $e^+e^-$  scattering in SANC****Speaker**

Yahor Dydyska

18:00

## Wednesday 28 February

10:00

### General session: INP BSU studies

**Session** | **Location:** Other Institutes, Institute for Nuclear Problems BSU, Minsk, Belarus Room: 311

10:00–10:20 **Linear collider study in INP BSU**

**Speaker**

Vladimir Makarenko

10:20–10:40 **Drell-Yan forward-backward asymmetry measurements at CMS**

**Speaker**

Uladzislava Yevarouskaya

10:40–11:00 **Расчет сечения процесса Дрелла-Яна при  $\sqrt{s}=13$  ТэВ**

**Speaker**

Ms Maria Bugaevskaya

11:00–11:20

**Properties of jets selected in semi-leptonic ttbar-events produced by MadGraph and Pythia6**

**Speaker**

Dzmitry Budkouski

11:20–11:40 **INP BSU grid site**

**Speaker**

Vitaly Yermolchik

12:00