

Session Program

17-18 Jan 2017

LHC Days in Belarus 2017 Workshop

General session

Other Institutes

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

Tuesday 17 January

10:00

General session: Belarus and CERN cooperation

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

10:00–10:05 **Welcome remarks**

10:05–10:45 **Cracking the Cosmic Code**

Speaker

Prof. Christoph Schaefer

10:45–11:15 **Cooperation CERN-JINR-Belarus: Achievements and Prospects**

Speaker

Tadeusz Kurtyka

11:15–11:45 **ATLAS detector at LHC and upgrade program**

Speaker

Yuri Koulchitski

11:45–12:00 **Break**

12:00–12:30 **JINR Participation in the CMS Experiment**

Speaker

Siarhei Shulha

12:30–13:00

The phenomena of spin rotation and depolarization of high-energy particles in bent and straight crystals at LHC and FCC energies and the possibility to measure the anomalous magnetic moments of short-lived particles (charm and beauty baryons)

Speaker

Vladimir Baryshevsky

13:00

14:00

General session: Experiments at CERN

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

14:00–14:30

Two-particles Bose-Einstein correlations and soft-QCD results with ATLAS at LHC

Speaker

Yuri Koulchitski

14:30–15:00 **New QCD and QED effects search in experiments**

Speaker

Viacheslav Kuvshinov

15:00–15:30

High precision determination of the Z-Z' mixing in gauge boson pair production at the CERN LHC

16:30

Speaker

Alexander Pankov

15:30–16:00

CMS experiment physics results**Speaker**

Juan Suarez Gonzalez

16:00–16:30

Break

16:30

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

16:30–17:00

Long history and promising future of crystal application at the LHC**Speaker**

Victor Tikhomirov

17:00–17:30

The history of INP BSU activity in CMS experiment**Speaker**

Juan Suarez Gonzalez

17:30–18:00

INP BSU activities in ATLAS experiment**Speaker**

Aliaksei Hrynevich

18:30

Wednesday 18 January

11:00

General session: Belarus activity in current and future CERN experiments

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11:00–11:30

Contribution of belarusian scientists to investigations at LHC (in russian)

Speaker

Yurii Kurochkin

11:30–12:00

Development of the model of hadrons as Coherent states on the horosphere of the Lobachevsky momentum space

Speaker

Yurii Kurochkin

12:00–12:20

Anti-neutrino detector for Belarus NPP

Speaker

Valentin Gilewsky

12:20–12:40

Feasibility study for improving TileCal granularity

Speaker

Konstantin Afanaciev

12:40–12:55

Pile-up Noise Study in Tile Calorimeter of the ATLAS detector

Speaker

Krystsina Petukhova

13:10

14:00

General session: Belarus activity in current and future CERN experiments

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14:00–14:20

Monte Carlo Simulation of the Lepton Pairs produced at LHC

Speaker

Yahor Dydyska

14:20–14:40

Status of the INP BSU grid site

Speaker

Vitaly Yermolchik

14:40–15:00

Monte Carlo generator activity in INP BSU for future linear collider

Speaker

Vladimir Makarenko

15:00–15:15

Studies of Drell-Yan dimuon channel in the CMS Experiment

Speaker

Uladzislava Yevarouskaya

15:15-15:30

CMS Central Shifts Organization

Speaker

Vladimir Mossolov

16:00