

# **DESY Ukraine Winter School - Student Sessions**

## **Report of Contributions**

Contribution ID: 2

Type: **not specified**

# **Modelling the evolution of X-ray-irradiated materials on femtosecond to nanosecond timescale**

*Thursday 9 March 2023 09:30 (15 minutes)*

**Presenter:** RYZHKOVA, Anastasiia

**Session Classification:** Work reports Part III

Contribution ID: 3

Type: **not specified**

## Belle Analysis project

*Thursday 9 March 2023 09:45 (15 minutes)*

**Presenter:** SOKAREVA, Anastasiia

**Session Classification:** Work reports Part III

Contribution ID: 4

Type: **not specified**

## Plasma Wakefield acceleration

*Thursday 9 March 2023 10:00 (15 minutes)*

**Presenter:** MIRIUK, Oleksandr

**Session Classification:** Work reports Part III

Contribution ID: 5

Type: **not specified**

## **Novel generation of photovoltaics and energy converter**

*Wednesday 8 March 2023 18:00 (15 minutes)*

**Presenter:** BALETSKA, Sofia

**Session Classification:** Work reports part II

Contribution ID: 6

Type: **not specified**

## **Muon Collider Sensitivity to BSM Models with Extra Gauge Bosons and Heavy Neutral Leptons**

*Wednesday 8 March 2023 16:15 (15 minutes)*

**Presenter:** MARINICHENKO, Mariia

**Session Classification:** Work reports part II

Contribution ID: 7

Type: **not specified**

## **Muon Collider Sensitivity to BSM Models with Extra Gauge Bosons and Heavy Neutral Leptons**

*Wednesday 8 March 2023 16:30 (15 minutes)*

**Presenter:** KORSHYNSKA, Kateryna

**Session Classification:** Work reports part II

Contribution ID: 8

Type: **not specified**

# Deep Learning-Based Time-of-Flight Reconstruction for Future Higgs Factories

*Wednesday 8 March 2023 16:45 (15 minutes)*

**Presenter:** TROFIMIUK, Khrystyna

**Session Classification:** Work reports part II



Contribution ID: 9

Type: **not specified**

## **Sample preparation and characterization for time-resolved serial crystallography with MurA**

*Wednesday 8 March 2023 17:00 (15 minutes)*

**Presenter:** DAVYDIUK, Anastasiia (XFEL (XFEL))

**Session Classification:** Work reports part II

Contribution ID: **10**

Type: **not specified**

## **Absolute gain calibration of 1 Mpix AGIPD detector at SPB/SFX instrument using EuXFEL X-ray beam**

*Wednesday 8 March 2023 17:15 (15 minutes)*

**Presenter:** OKPONA, Kateryna

**Session Classification:** Work reports part II

Contribution ID: **11**

Type: **not specified**

## **ATLAS/CMS Tangerine Project: Transient Simulation Studies in a 65 nm CMOS Imaging Process**

*Wednesday 8 March 2023 17:30 (15 minutes)*

**Presenter:** FEDOROVA, Anna

**Session Classification:** Work reports part II

Contribution ID: **12**

Type: **not specified**

# ATLAS ITk Strips EC System Test Instrumentation

*Wednesday 8 March 2023 17:45 (15 minutes)*

**Presenter:** PANASIUK, Pavlo (Taras Shevchenko National University of Kiev)

**Session Classification:** Work reports part II

Contribution ID: 13

Type: **not specified**

## **Characterization of digital cameras based on photon transfer measurements**

*Thursday 9 March 2023 10:30 (15 minutes)*

**Presenter:** TOPCHII, Polina

**Session Classification:** Work reports Part III

Contribution ID: 14

Type: **not specified**

## **Exploratory study for the combined analysis of particle physics and astroparticle physics data in the context of PUNCH4NFDI**

*Thursday 9 March 2023 10:45 (15 minutes)*

**Presenter:** PRYSIAZHNIUK, Veronika

**Session Classification:** Work reports Part III

Contribution ID: 15

Type: **not specified**

## **Coherent X-ray Diffraction Imaging on mesocrystals and catalytic nanoparticles**

*Thursday 9 March 2023 11:30 (15 minutes)*

**Presenter:** OVCHAR, Mariia-Anhelina

**Session Classification:** Work reports part IV and Closing

Contribution ID: **16**

Type: **not specified**

## Long-lived Particles at the FCC-ee

*Thursday 9 March 2023 11:45 (15 minutes)*

**Presenter:** BORISENCKOVA, Yuliya

**Session Classification:** Work reports part IV and Closing



Contribution ID: 17

Type: **not specified**

## **FM characterization of FEL irradiated samples**

*Thursday 9 March 2023 12:00 (15 minutes)*

**Presenter:** BREUS, Dariia

**Session Classification:** Work reports part IV and Closing

Contribution ID: **18**

Type: **not specified**

## Good bye

*Thursday 9 March 2023 12:45 (20 minutes)*

**Presenter:** OHM, Stefan (Z\_HESS (High Energy Steroscopic System))

**Session Classification:** Work reports part IV and Closing

Contribution ID: 19

Type: **not specified**

## **Ultra-High-Energy Cosmic Rays propagation in extragalactic space from a single source**

*Wednesday 8 March 2023 14:00 (15 minutes)*

**Presenter:** BABUR, Valentyna

**Session Classification:** Work reports part I

Contribution ID: 20

Type: **not specified**

# **The effect of the atmospheric composition on CTA performance**

*Wednesday 8 March 2023 14:15 (15 minutes)*

**Presenter:** SOLOVIAN, Kateryna

**Session Classification:** Work reports part I

Contribution ID: 21

Type: **not specified**

## **Pulsars at very-high energies: developing and testing pulsar analysis**

*Wednesday 8 March 2023 14:30 (15 minutes)*

**Presenter:** ZAREMBA, Daria

**Session Classification:** Work reports part I

Contribution ID: 22

Type: **not specified**

# **A multi-wavelength AGN catalogue for neutrino astronomy**

*Thursday 9 March 2023 12:30 (15 minutes)*

**Presenter:** ZHYHANIUK, Yelyzaveta

**Session Classification:** Work reports part IV and Closing

Contribution ID: 23

Type: **not specified**

# Characterisation of CMOS Cameras for the LAST Optical Telescope

*Wednesday 8 March 2023 14:45 (15 minutes)*

**Presenter:** PROVOLOVSKA, Daryna

**Session Classification:** Work reports part I

Contribution ID: 24

Type: **not specified**

## Variational Quantum Algorithms

*Wednesday 8 March 2023 15:00 (15 minutes)*

**Presenter:** LUPANOV, Anton

**Session Classification:** Work reports part I



Contribution ID: 25

Type: **not specified**

# **Multi-wavelength study of cosmic rays and turbulence**

*Wednesday 8 March 2023 15:15 (15 minutes)*

**Presenter:** RIABOKON, Maksym

**Session Classification:** Work reports part I

Contribution ID: 26

Type: **not specified**

## Exploring SMEFT couplings for Z boson using Forward-Backward Asymmetry with HL-LHC data

*Thursday 9 March 2023 12:15 (15 minutes)*

**Presenter:** ANATAICHUK, Andrii (UNI/TH (Uni Hamburg, Institut fuer Theoretische Physik))

**Session Classification:** Work reports part IV and Closing

Contribution ID: 27

Type: **not specified**

## Plasma Wakefield Acceleration

*Thursday 9 March 2023 10:15 (15 minutes)*

**Presenter:** SHENDRYK, Diana

**Session Classification:** Work reports Part III