

**7th Young Scientist Festival of
Division of Experimental
Physics 2023**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Quantum communication experiments with entangled photon pairs

Wednesday 19 April 2023 10:00 (25 minutes)

Presenter: PERANIĆ, Matej

Session Classification: Student talks

Contribution ID: 2

Type: **not specified**

Diamond: the devil is in the defects

Wednesday 19 April 2023 10:25 (25 minutes)

Presenter: CRNJAC, Andreo

Session Classification: Student talks

Contribution ID: 3

Type: **not specified**

Unraveling the nuclear equation of state: Insights from heavy-ion collisions

Presenter: LIHTAR, Ivana

Session Classification: Student talks

Contribution ID: 4

Type: **not specified**

Multitracer analysis of the LOFAR Two-Metre Sky Survey data

Wednesday 19 April 2023 11:35 (25 minutes)

Presenter: ERCEG, Ana

Session Classification: Student talks

Contribution ID: 5

Type: **not specified**

Clustering in neutron-rich Be and B isotopes

Wednesday 19 April 2023 13:30 (25 minutes)

Presenter: VUKMAN, Nikola (Ruđer Bošković Institute)

Session Classification: Student talks

Contribution ID: 6

Type: **not specified**

Studying nuclear materials with ion beam irradiation

Wednesday 19 April 2023 13:55 (25 minutes)

Presenter: DUNATOV, Toni

Session Classification: Student talks

Contribution ID: 7

Type: **not specified**

Neutron Activation Analysis: Associated Alpha Particle Technique

Wednesday 19 April 2023 14:40 (25 minutes)

Presenter: BATUR, Josip

Session Classification: Student talks

Contribution ID: 8

Type: **not specified**

Higgs as a tool for discovering new physics at the LHC

Wednesday 19 April 2023 15:05 (25 minutes)

Presenter: ROGULJIC, Matej (Johns Hopkins University (JHU))

Session Classification: Student talks

Contribution ID: 9

Type: **not specified**

Study of semiconducting detectors using Ion Beam Induced Charge technique

Wednesday 19 April 2023 15:30 (25 minutes)

Presenter: IVANKOVIĆ, Karla (Rudjer Boskovic Institute)

Session Classification: Student talks

Contribution ID: **10**

Type: **not specified**

Talk 10

Session Classification: Student talks

Contribution ID: **11**

Type: **not specified**

Welcome

Wednesday 19 April 2023 09:00 (10 minutes)

Session Classification: Introduction

Contribution ID: 12

Type: **not specified**

Address of previous organizers

Wednesday 19 April 2023 09:15 (5 minutes)

Presenter: BRIGLJEVIC, Vuko (Rudjer Boskovic Institute (HR))

Session Classification: Introduction

Contribution ID: 13

Type: **not specified**

Address of the department head

Wednesday 19 April 2023 09:20 (5 minutes)

Presenter: FAZINIC, Stjepko

Session Classification: Introduction

Contribution ID: 14

Type: **not specified**

Address of the director and review of O-ZIP

Wednesday 19 April 2023 09:25 (25 minutes)

Presenter: SMITH, David Matthew

Session Classification: Introduction

Contribution ID: 15

Type: **not specified**

Carbon sequestration dynamics in the recent marine sediments

Thursday 20 April 2023 10:00 (25 minutes)

Presenter: VINKOVIĆ, Andrija

Session Classification: Student talks

Contribution ID: 16

Type: **not specified**

Development of low noise diamond detectors

Thursday 20 April 2023 10:25 (25 minutes)

Presenter: VICENTIJEVIC, Milan (Ruder Boskovic Institute)

Session Classification: Student talks

Contribution ID: 17

Type: **not specified**

Multinucleon transfer reactions in $^{206}\text{Pb} + ^{118}\text{Sn}$ studied with the PRISMA spectrometer

Wednesday 19 April 2023 11:10 (25 minutes)

Presenter: DIKLIC, Josipa

Session Classification: Student talks

Contribution ID: 18

Type: **not specified**

Periodic variability of Stripe 82 quasar light curves and associated changes in MgII emission line profiles

Thursday 20 April 2023 11:10 (25 minutes)

Presenter: FATOVIĆ, Marta

Session Classification: Student talks

Contribution ID: 19

Type: **not specified**

Neutrino interaction cross section measurements with the ENUBET experiment

Thursday 20 April 2023 11:35 (25 minutes)

Presenter: HALIC, Leon (Rudjer Boskovic Institute (HR))

Session Classification: Student talks

Contribution ID: 20

Type: **not specified**

Semi-empirical X-ray production cross sections for Heavy Ion PIXE

Thursday 20 April 2023 13:30 (25 minutes)

Presenter: MASEKANE, Masedi

Session Classification: Student talks

Contribution ID: 21

Type: **not specified**

Structure of light atomic nuclei studied with nuclear reaction $^{14}\text{N} + ^{10}\text{B}$

Presenter: PALADA, Luka

Session Classification: Student talks

Contribution ID: 22

Type: **not specified**

Ion beam fabrication and optical characterization of color centers in diamond

Thursday 20 April 2023 13:55 (25 minutes)

Presenter: MATIJEVIĆ, Matija (Ruđer Bošković Institute)

Session Classification: Student talks

Contribution ID: 23

Type: **not specified**

Triple Higgs boson production with six bottom quark final state at the Large Hadron Collider

Thursday 20 April 2023 14:40 (25 minutes)

Presenter: Ms CHITRODA, Bhakti Kanulal (Rudjer Boskovic Institute (HR))

Session Classification: Student talks

Contribution ID: 24

Type: **not specified**

Carbon (16) in all its glory

Thursday 20 April 2023 15:05 (25 minutes)

Presenter: SIGMUND, Margareta

Session Classification: Student talks

Contribution ID: 25

Type: **not specified**

High resolution X-ray spectrometry with focused ion beam

Thursday 20 April 2023 15:30 (25 minutes)

Presenter: MIOKOVIĆ, Anja

Session Classification: Student talks

Contribution ID: 26

Type: **not specified**

Talk 22

Session Classification: Student talks

Contribution ID: 27

Type: **not specified**

Social event

Thursday 20 April 2023 16:00 (4 hours)

Session Classification: Social event

Contribution ID: 28

Type: **not specified**

Introduction

Wednesday 19 April 2023 09:10 (5 minutes)

Presenters: KLICEK, Budimir (Rudjer Boskovic Institute (HR)); BOZICEVIC MIHALIC, Iva (Rudjer Boskovic Institue); Dr MIJATOVIC, Tea (RBI)

Session Classification: Introduction