

# **Introduction to High-Energy Physics and Accelerator Technology**



## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Accelerator technologies at CERN

test description

Contribution ID: 2

Type: **not specified**

## **CERN: Past-Present-Future (Prof. Christoph Shaefer, CERN)**

*Monday 9 October 2023 09:45 (45 minutes)*

Contribution ID: 3

Type: **not specified**

## **Physics at Large Hadron Collider (Prof. Victor Kim, CERN)**

*Monday 9 October 2023 10:50 (45 minutes)*

Contribution ID: 4

Type: **not specified**

## Excursion in the KBTU

*Monday 9 October 2023 11:35 (45 minutes)*

Contribution ID: 5

Type: **not specified**

## **Medical applications at CERN (Dr. Magdalena Kowalska, ISOLDE collaboration)**

*Monday 9 October 2023 14:00 (45 minutes)*

Contribution ID: 6

Type: **not specified**

## **Medical applications at CERN (Dr. Magdalena Kowalska, ISOLDE collaboration)**

*Monday 9 October 2023 14:45 (45 minutes)*

Contribution ID: 7

Type: **not specified**

## **The NA62 experiment at CERN: design features and present status. (Dr. Hans Danielsson, NA62 collaboration)**

*Monday 9 October 2023 15:50 (45 minutes)*



Contribution ID: 8

Type: **not specified**

## **Light Dark Matters with the NA64 (CERN) and other experiments (Dr. Andrea Celentano, NA64 collaboration)**

*Monday 9 October 2023 16:35 (45 minutes)*

Contribution ID: 9

Type: **not specified**

**The Formation of Silicon Carbide in the Silicon Surface Layers by Multiple Implantation of Accelerated C Ions into Si (Prof. Nurzhan Beisenkhanov, KBTU)**

*Wednesday 11 October 2023 09:00 (45 minutes)*

Contribution ID: **10**

Type: **not specified**

## **Big Text Data analytics in selected domain areas (Dr. Iskander Akhmetov, KBTU)**

*Wednesday 11 October 2023 09:45 (45 minutes)*

Contribution ID: 11

Type: **not specified**

## **Production of radiopharmaceuticals in the INP (Dr. Elena Chakrova, INP)**

Contribution ID: 12

Type: **not specified**

## **Nuclear medicine (Dr. Tatyana Belihina, Center for Nuclear Medicine and Oncology)**

Contribution ID: 13

Type: **not specified**

## **B meson decays (Dr. Aidos Issadykov, INP)**

*Wednesday 11 October 2023 10:50 (45 minutes)*

Contribution ID: 14

Type: **not specified**

## **Astroparticle Physics and Multimessenger Astronomy (Dr. Dmitry Kostyunin, DESY)**

*Wednesday 11 October 2023 11:35 (45 minutes)*

Contribution ID: 15

Type: **not specified**

## **Industrial and technological applications of electron accelerators at the INP (Dr. Igor Danko, INP)**

*Wednesday 11 October 2023 14:00 (20 minutes)*



Contribution ID: 16

Type: **not specified**

## **Problems, prospects for the introduction of nuclear medicine methods (Dr. Tatyana Belikhina, Center for Nuclear Medicine and Oncology)**

*Wednesday 11 October 2023 14:45 (45 minutes)*

online

Contribution ID: 17

Type: **not specified**

## **Gaseous detectors in HEPH and beyond (Dr. Katerina Kuznetsova, University of Florida)**

*Wednesday 11 October 2023 15:50 (45 minutes)*

Contribution ID: **18**

Type: **not specified**

## **Cosmic Rays Introduction and Detectors (Dr. Dmitry Beznosko, Clayton State University)**

*Wednesday 11 October 2023 16:35 (45 minutes)*

Contribution ID: 19

Type: **not specified**

## **Particle colliders: past, present and future (Dr. Dmitri Denisov)**

*Thursday 12 October 2023 09:00 (45 minutes)*

Contribution ID: 20

Type: **not specified**

**The Liquid Argon Time Projection Chamber  
Technology: a conceptual overview and a review of  
practical implementations (Dr. Claudio Montanari,  
DUNE collaboration)**

*Thursday 12 October 2023 09:45 (45 minutes)*

Contribution ID: 21

Type: **not specified**

## **QCD effects in non-QCD theories (Prof. Vladimir Dzhunushaliyev, al-Farabi KazNU)**

*Thursday 12 October 2023 10:50 (45 minutes)*

Contribution ID: 22

Type: **not specified**

## **Quasiperiodic oscillations from low mass X-ray binary systems (Dr. Kuantay Boshkayev, al-Farabi KazNU)**

*Thursday 12 October 2023 11:35 (45 minutes)*

Contribution ID: 23

Type: **not specified**

**Neutrinos: an open window for the next discoveries.  
The DUNE experiment as a cornerstone (Dr. Luca  
Stanco, DUNE collaboration)**

*Thursday 12 October 2023 14:00 (45 minutes)*



Contribution ID: 24

Type: **not specified**

## **LHC. ATLAS Detector. Higgs Boson. Yukawa coupling (Dr. Nazim Huseynov, ATLAS collaboration)**

*Thursday 12 October 2023 14:45 (45 minutes)*

Contribution ID: 25

Type: **not specified**

## **Unstable isotope research (Dr. Magdalena Kowalska, ISOLDE collaboration)**

*Thursday 12 October 2023 15:50 (45 minutes)*

Contribution ID: 26

Type: **not specified**

## **Production of radiopharmaceuticals in the INP (Dr. Elena Chakrova, INP)**

*Wednesday 11 October 2023 14:20 (25 minutes)*

Contribution ID: 27

Type: **not specified**

## **Straw tracker: Past-Present-Future (Dr. Temur Enik, CERN)**

*Friday 13 October 2023 09:00 (45 minutes)*

Contribution ID: 28

Type: **not specified**

## **Searches for Feebly Interacting Particles at SHiP (Dr. Katerina Kuznetsova, University of Florida)**

*Friday 13 October 2023 09:45 (45 minutes)*

Contribution ID: 29

Type: **not specified**

## **Spin Physics at High Energies (Prof. Victor Kim, CERN)**

*Friday 13 October 2023 10:50 (45 minutes)*

Contribution ID: **30**

Type: **not specified**

## Opening ceremony

*Monday 9 October 2023 09:00 (30 minutes)*

Contribution ID: **31**

Type: **not specified**

**INP**

*Monday 9 October 2023 09:30 (15 minutes)*