

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)