

Second PMBC'2023 Workshop "Partners Meeting for Better Collaboration"

Report of Contributions

Contribution ID: **1**

Type: **not specified**

Registration

Tuesday 7 November 2023 12:30 (30 minutes)

Contribution ID: 2

Type: **not specified**

CERN-GTU Agreements - Status, Challenges, Future Steps

Presenter: SHARMAZANASHVILI, Alexander (Georgian Technical University (GE))

Contribution ID: 3

Type: **not specified**

CERN-GTU Agreements - Status, Challenges, Future Steps

Tuesday 7 November 2023 15:00 (30 minutes)

Presenter: SHARMAZANASHVILI, Alexander (Georgian Technical University (GE))

Session Classification: Key Presentations

Contribution ID: 4

Type: **not specified**

IPPOG - an International Collaboration for Education and Outreach in Particle Physics

Tuesday 7 November 2023 15:30 (30 minutes)

Presenter: ABREU, Pedro (LIP - Laboratório de Instrumentação e Física Experimental de Partículas (PT))

Session Classification: Key Presentations

Contribution ID: 5

Type: **not specified**

Particle Physics at the Highest Energies

Tuesday 7 November 2023 16:30 (30 minutes)

Presenter: BECK, Hans Peter (Universitaet Bern (CH))

Session Classification: Key Presentations

Contribution ID: 6

Type: **not specified**

ATLAS Software and Computing and its evolution towards High-Luminosity LHC

Tuesday 7 November 2023 17:00 (30 minutes)

Presenter: BARBERIS, Dario (Università e INFN Genova (IT))

Session Classification: Key Presentations

Contribution ID: 7

Type: **not specified**

ATLAS Outreach & Education - Objectives, Challenges, Future plans

Tuesday 7 November 2023 17:30 (30 minutes)

Presenter: PORTILLO QUINTERO, Dilia Maria (TRIUMF (CA))

Session Classification: Key Presentations

Contribution ID: 8

Type: **not specified**

IPPOG-GTU Agreement: a tool for the development of tools for education and outreach in particle physics

Wednesday 8 November 2023 12:00 (30 minutes)

Presenter: ABREU, Pedro (LIP - Laboratorio de Instrumentação e Física Experimental de Partículas (PT))

Session Classification: Session#02

Contribution ID: 9

Type: **not specified**

LHC Z-path Masterclass : Current Status, and Plans for the Future

Wednesday 8 November 2023 12:30 (30 minutes)

Presenter: Dr GRAMSTAD, Eirik (University of Oslo (NO))

Session Classification: Session#02

Contribution ID: **10**

Type: **not specified**

Tracer EVD: 3-Dimensional Event Display Application For IPPOG

Wednesday 8 November 2023 13:00 (15 minutes)

Presenter: ZURASHVILI, Nino (Georgian Technical University (GE))

Session Classification: Session#02

Contribution ID: **11**

Type: **not specified**

3-Dimensional ATLAS Viewer

Wednesday 8 November 2023 13:15 (15 minutes)

Presenter: Mr PACHUASHVILI, Levan (Nuclear Engineering Center)

Session Classification: Session#02

Contribution ID: 12

Type: **not specified**

ITk Software Overview

Wednesday 8 November 2023 10:00 (30 minutes)

Presenter: ROE, Shaun (CERN)

Session Classification: Session#01

Contribution ID: 13

Type: **not specified**

Georgian Contribution to the Improvement of ITk Pixel PP1 Geometry

Wednesday 8 November 2023 10:30 (30 minutes)

Presenter: TSUTSKIRIDZE, Niko (Georgian Technical University (GE))

Session Classification: Session#01

Contribution ID: 14

Type: **not specified**

Development of the Simulation Tool for the Radiation Length in the HEP

Wednesday 8 November 2023 11:00 (15 minutes)

Presenter: VASHAKIDZE, Salome (Georgian Technical University (GE))

Session Classification: Session#01

Contribution ID: 15

Type: **not specified**

Calculation of the Radiation Length for the Simulation Tasks

Wednesday 8 November 2023 11:15 (15 minutes)

Presenter: MIRZIASHVILI, Giorgi (Georgian Technical University (GE))

Session Classification: Session#01

Contribution ID: 16

Type: **not specified**

Geometry Simplification Method for the Simulation Task

Wednesday 8 November 2023 11:30 (15 minutes)

Presenter: TSUTSKIRIDZE, Kote (Georgian Technical University (GE))

Session Classification: Session#01

Contribution ID: 17

Type: **not specified**

ITK VIEWER- Web Visualizer of the Atlas Inner Tracker Detector

Wednesday 8 November 2023 11:45 (15 minutes)

Presenter: ALIKHANOV, Aleksandr (Georgian Technical University (GE))

Session Classification: Session#01

Contribution ID: **18**

Type: **not specified**

ATLAS Outreach Needs for the Cognitive Visualization Applications

Wednesday 8 November 2023 14:30 (30 minutes)

Presenter: PRICE, Darren (University of Manchester (GB))

Session Classification: Session#03

Contribution ID: 19

Type: **not specified**

Navigating into ATLAS Point-1 Facilities with Tracer VR

Wednesday 8 November 2023 15:00 (15 minutes)

Presenter: Mrs NOZADZE, Mariam (Nuclear Engineering Center)

Session Classification: Session#03

Contribution ID: 20

Type: **not specified**

Building Beyond Books with WebAR

Wednesday 8 November 2023 15:15 (15 minutes)

Presenter: DOLINSKI, Vladimir (Georgian Technical University (GE))

Session Classification: Session#03

Contribution ID: 21

Type: **not specified**

Tracer ART - Beyond the Surface

Wednesday 8 November 2023 15:30 (15 minutes)

Presenter: Mrs NOZADZE, Mariam (Nuclear Engineering Center)

Session Classification: Session#03

Contribution ID: 22

Type: **not specified**

Tracer Framework: 3-Dimensional platform for the Visualization of the ATLAS Detector

Wednesday 8 November 2023 15:45 (15 minutes)

Presenter: ZURASHVILI, Nino (Georgian Technical University (GE))

Session Classification: Session#03

Contribution ID: 23

Type: **not specified**

Innovative Approaches to 3D Models Processing for Visualization

Wednesday 8 November 2023 16:00 (15 minutes)

Presenter: KEKELIA, Besik (Georgian Technical University (GE))

Session Classification: Session#03

Contribution ID: 24

Type: **not specified**

Optimization of Tracer Core Geometry

Wednesday 8 November 2023 16:15 (15 minutes)

Presenter: ABRAMOVI, Ela (Georgian Technical University (GE))

Session Classification: Session#03

Contribution ID: 25

Type: **not specified**

TileCAL Visualisation Needs and Requirements

Wednesday 8 November 2023 17:00 (30 minutes)

Presenter: SOLOVYANOV, Oleg (LPC Clermont-Ferrand (FR))

Session Classification: Session#04

Contribution ID: 26

Type: **not specified**

Tracer TileCal: 3-Dimensional Interactive Display of the Tile Calorimeter

Wednesday 8 November 2023 17:30 (15 minutes)

Presenter: ZURASHVILI, Nino (Georgian Technical University (GE))

Session Classification: Session#04

Contribution ID: 27

Type: **not specified**

The New Concept of the Geometry Modelling in the HEP

Wednesday 8 November 2023 17:45 (15 minutes)

Presenter: SHARMAZANASHVILI, Alexander (Georgian Technical University (GE))

Session Classification: Session#04

Contribution ID: 28

Type: **not specified**

Welcome Speech

Thursday 9 November 2023 14:00 (5 minutes)

Presenter: AMILAKHVARI, Giorgi (Ministry of the Education and Science of Georgia)

Session Classification: Welcome Mini-Workshop from the Ministry of the Education and Science

Contribution ID: 29

Type: **not specified**

Welcome Speech

Thursday 9 November 2023 14:05 (5 minutes)

Presenter: GURGENIDZE, David (Rector of the Georgian Technical University)

Session Classification: Welcome Mini-Workshop from the Ministry of the Education and Science

Contribution ID: 30

Type: **not specified**

Welcome Speech

Presenter: GASITASHVILI, Zurab (Vice Rector of the Georgian Technical University)

Session Classification: Welcome Mini-Workshop from the Ministry of the Education and Science

Contribution ID: 31

Type: **not specified**

Welcome Speech

Presenter: KOPALIANI, Karlo (Cancler of the Georgian Technical University)

Session Classification: Welcome Mini-Workshop from the Ministry of the Education and Science

Contribution ID: 32

Type: **not specified**

Welcome Speech

Thursday 9 November 2023 14:10 (5 minutes)

Presenter: LOMINADZE, Tamar (Dean of the faculty of Informatics and control systems)

Session Classification: Welcome Mini-Workshop from the Ministry of the Education and Science

Contribution ID: 33

Type: **not specified**

CERN-GTU Collaboration History and Perspectives

Thursday 9 November 2023 14:15 (10 minutes)

Presenter: SHARMAZANASHVILI, Alexander (Georgian Technical University (GE))

Session Classification: Welcome Mini-Workshop from the Ministry of the Education and Science

Contribution ID: 34

Type: **not specified**

Welcome Speech

Thursday 9 November 2023 14:25 (5 minutes)

Presenter: BECK, Hans Peter (Universitaet Bern (CH))

Session Classification: Welcome Mini-Workshop from the Ministry of the Education and Science

Contribution ID: 35

Type: **not specified**

Welcome Speech

Thursday 9 November 2023 14:30 (5 minutes)

Presenter: GRAMSTAD, Eirik (University of Oslo (NO))

Session Classification: Welcome Mini-Workshop from the Ministry of the Education and Science

Contribution ID: 36

Type: **not specified**

Welcome Speech

Thursday 9 November 2023 14:40 (5 minutes)

Presenter: SOLOVYANOV, Oleg (LPC Clermont-Ferrand (FR))

Session Classification: Welcome Mini-Workshop from the Ministry of the Education and Science

Contribution ID: 37

Type: **not specified**

Welcome Speech

Thursday 9 November 2023 14:45 (5 minutes)

Presenter: PORTILLO QUINTERO, Dilia Maria (TRIUMF (CA))

Session Classification: Welcome Mini-Workshop from the Ministry of the Education and Science

Contribution ID: **38**

Type: **not specified**

Welcome Speech

Thursday 9 November 2023 14:35 (5 minutes)

Presenter: PRICE, Darren (University of Manchester (GB))

Session Classification: Welcome Mini-Workshop from the Ministry of the Education and Science

Contribution ID: 39

Type: **not specified**

Welcome Speech

Thursday 9 November 2023 14:50 (5 minutes)

Presenter: ROE, Shaun (CERN)

Session Classification: Welcome Mini-Workshop from the Ministry of the Education and Science

Contribution ID: 40

Type: **not specified**

The Radiation Calculation on the Early Stage of the Geometry Development

Thursday 9 November 2023 14:55 (5 minutes)

Presenter: VASHAKIDZE, Salome (Georgian Technical University (GE))

Session Classification: Welcome Mini-Workshop from the Ministry of the Education and Science

Contribution ID: 41

Type: **not specified**

The Main Challenge of Blended Balance - Refusal of the Natural World to Collaborate with the Artificial Environment

Thursday 9 November 2023 11:45 (15 minutes)

Presenter: MAKHVILADZE, David (Georgian Technical University)

Session Classification: Session#05

Contribution ID: 42

Type: **not specified**

CNC Project

Presenter: CHIKVINIDZE, Akakiy (CaucasPack)

Session Classification: Session#05

Contribution ID: 43

Type: **not specified**

Touch Digital - Platform to Learn, Connect and Collaborate

Thursday 9 November 2023 12:00 (15 minutes)

Presenter: KVARTSKHAVA, Beka

Session Classification: Session#05

Contribution ID: 44

Type: **not specified**

VideoMAE for Emotion Recognition

Presenter: KUKHILAVA, Natia (Georgian Technical University)

Session Classification: Session#05

Contribution ID: 45

Type: **not specified**

Designing an NLP-Powered SEO API for Georgian Language

Thursday 9 November 2023 12:15 (15 minutes)

Presenter: PAPAVA, Ekaterine (MICM/GTU, Georgia)

Session Classification: Session#05

Contribution ID: 46

Type: **not specified**

Breathing air into Telehealth: Automatic Classification of Pulmonary Data Recorded in Real-life Setting

Thursday 9 November 2023 12:30 (15 minutes)

Presenter: KITAEVICH, Michael (Georgian Technical University)

Session Classification: Session#05

Contribution ID: 47

Type: **not specified**

Diabetic Retinopathy Classification using Hybrid Deep Learning Method

Thursday 9 November 2023 12:45 (15 minutes)

Presenter: LABADZE, Aleksandre (Georgian Technical University)

Session Classification: Session#05

Contribution ID: 48

Type: **not specified**

Evaluation in EEG Emotion Recognition: State-of-the-Art Review and Unified Framework

Thursday 9 November 2023 13:00 (15 minutes)

Presenters: WIRTH, B.E. (DFKI, Germany); FERRARI, L.M. (INRIA, France); KUKHILAVA, N. (MICM/GTU, Georgia); MULLER, P. (DFKI, Germany); KALANDADZE, R. (MICM/GTU, Georgia); KATAMADZE, S. (MICM/GTU, Georgia); TSMINDASHVILI, T. (MICM/GTU, Georgia)

Session Classification: Session#05

Contribution ID: 49

Type: **not specified**

VideoMAE for Emotion Recognition

Thursday 9 November 2023 13:15 (15 minutes)

Presenters: FERRARI, L. (INRIA, France); KUKHILAVA, N. (MICM/GTU, Georgia); KALANDADZE, R. (MICM/GTU, Georgia); TSMINDASHVILI, T. (MICM/GTU, Georgia); STRIZHKOVA, V. (INRIA, France)

Session Classification: Session#05

Contribution ID: 50

Type: **not specified**

On the Mathematical Aspects of the Numerical Calculation of Engineering Constructions Weakened by Cracks

Thursday 9 November 2023 13:30 (15 minutes)

Presenters: KUBLASHVILI, M. (MICM/GTU, Georgia); KUBLASHVILI, M. (MICM/GTU, Georgia); SAGINADZE, T. (MICM/GTU, Georgia); SANIKIDZE, Z. (MICM/GTU, Georgia)

Session Classification: Session#05

Contribution ID: 51

Type: **not specified**

Numerical analysis of some problems related to the calculation of electrostatic fields

Thursday 9 November 2023 13:45 (15 minutes)

Presenters: ZAKRADZE, M. (MICM/GTU, Georgia); TABAGARI, Z. (MICM/GTU, Georgia)

Session Classification: Session#05

Contribution ID: 52

Type: **not specified**

Discussions, Conclusion

Thursday 9 November 2023 10:00 (20 minutes)

Session Classification: Round Table Discussion

Contribution ID: 53

Type: **not specified**

Particles in the Everyday Life

Friday 10 November 2023 13:00 (40 minutes)

Presenter: BECK, Hans Peter (Universitaet Bern (CH))

Session Classification: Session#07

Contribution ID: 54

Type: **not specified**

Detector Technologies

Friday 10 November 2023 13:40 (40 minutes)

Presenter: SOLOVYANOV, Oleg (LPC Clermont-Ferrand (FR))

Session Classification: Session#07

Contribution ID: 55

Type: **not specified**

Computing in High Energy Physics

Friday 10 November 2023 14:30 (40 minutes)

Presenter: ROE, Shaun (CERN)

Session Classification: Session#07

Contribution ID: 56

Type: **not specified**

The International Particle Physics Outreach Group - Particle Physics and Fundamental Science Brought to You Since 1997!

Friday 10 November 2023 15:10 (40 minutes)

Presenter: Dr GRAMSTAD, Eirik (University of Oslo (NO))

Session Classification: Session#07