

28th Geant4 Collaboration Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Geant4 GUI Interface

Wednesday, 27 September 2023 09:10 (15 minutes)

Presenter: Dr MURAKAMI, Koichi

Session Classification: Plenary 6

Contribution ID: 2

Type: **not specified**

Update on the Geant4 Documentation

Wednesday, 27 September 2023 09:00 (10 minutes)

Presenter: HOWARD, Alexander (Imperial College (GB))

Session Classification: Plenary 6

Contribution ID: 3

Type: **not specified**

Update on the Geant4 Analysis

Wednesday, 27 September 2023 09:35 (10 minutes)

Presenter: HRIVNACOVA, Ivana (Université Paris-Saclay (FR))

Session Classification: Plenary 6

Contribution ID: 4

Type: **not specified**

Update on the Basic and Extended Examples

Wednesday, 27 September 2023 09:45 (15 minutes)

Presenter: HRIVNACOVA, Ivana (Université Paris-Saclay (FR))

Session Classification: Plenary 6

Contribution ID: 5

Type: **not specified**

Update on the Advanced Examples

Wednesday, 27 September 2023 10:00 (15 minutes)

Presenter: GUATELLI, Susanna

Session Classification: Plenary 6

Contribution ID: 6

Type: **not specified**

Geant4 learning/teaching tools

Wednesday, 27 September 2023 10:15 (15 minutes)

Presenter: MORGAN, Benjamin (University of Warwick (GB))

Session Classification: Plenary 6

Contribution ID: 7

Type: **not specified**

QSS: status / update

Tuesday, 26 September 2023 09:00 (20 minutes)

- Status: first release in 11.2-beta
- update: recent improvements / fixes
- topics for 11.2 (Dec): remaining issues/challenges
- outlook

Presenters: SANTI, Lucio (Universidad de Buenos Aires); CASTRO, Rodrigo (ETH Zurich); CASTRO, Rodrigo Daniel (Universidad de Buenos Aires (AR))

Session Classification: Parallel 2B

Contribution ID: 8

Type: **not specified**

VecGeom - developments / plans

Tuesday, 26 September 2023 09:20 (20 minutes)

Presenters: GHEATA, Andrei (CERN); GONZALEZ CAMINERO, Juan

Session Classification: Parallel 2B

Contribution ID: 9

Type: **not specified**

Orange modeller: update

Tuesday, 26 September 2023 09:40 (20 minutes)

Presenter: JOHNSON, Seth (Oak Ridge National Laboratory (US))

Session Classification: Parallel 2B

Contribution ID: **10**

Type: **not specified**

Open Issues

Tuesday, 26 September 2023 10:15 (15 minutes)

Presenter: Dr COSMO, Gabriele (CERN)

Session Classification: Parallel 2B

Contribution ID: 11

Type: **not specified**

Geometry Converter: an update

Tuesday, 26 September 2023 10:00 (15 minutes)

Presenter: LIMA, Guilherme (FermiLab (US))

Session Classification: Parallel 2B

Contribution ID: 12

Type: **not specified**

Bragg Peak validation

Wednesday, 27 September 2023 14:15 (15 minutes)

Presenter: NOT SUPPLIED, MIGUEL ANTONIO CORTES GIRALDO

Session Classification: Parallel 5A

Contribution ID: 13

Type: **not specified**

Validation of Geant4 fragmentation for incident alpha particles

Wednesday, 27 September 2023 14:30 (15 minutes)

Presenter: BOLST, David (University of Wollongong)

Session Classification: Parallel 5A

Contribution ID: 14

Type: **not specified**

Modelling the Response of CLLBC(Ce) and TLYC(Ce) SiPM-Based Radiation Detectors in Mixed Radiation Fields with Geant4

Wednesday, 27 September 2023 14:45 (15 minutes)

Presenter: BROWN, Jeremy

Session Classification: Parallel 5A

Contribution ID: 15

Type: **not specified**

Calculation of early DNA damage in astronauts: update and future perspectives

Wednesday, 27 September 2023 15:00 (15 minutes)

Presenter: ARCHER, Jay (University of Wollongong)

Session Classification: Parallel 5A

Contribution ID: **16**

Type: **not specified**

Status of Geometry developments

Tuesday, 26 September 2023 16:00 (20 minutes)

Presenter: APOSTOLAKIS, John (CERN)

Session Classification: Plenary 5

Contribution ID: 17

Type: **not specified**

Update on sub-event level parallelism

Tuesday, 26 September 2023 16:20 (20 minutes)

Presenter: ASAI, Makoto (Jefferson Lab, US)

Session Classification: Plenary 5

Contribution ID: **18**

Type: **not specified**

Status of developments on Fast Simulation

Tuesday, 26 September 2023 16:40 (20 minutes)

Presenters: ZABOROWSKA, Anna (CERN); SALAMANI, Dalila (CERN)

Session Classification: Plenary 5

Contribution ID: 19

Type: **not specified**

Thoughts on parallelisation of initialisation phase and open issues

Tuesday, 26 September 2023 17:00 (20 minutes)

Presenter: Prof. IVANTCHENKO, Vladimir (CERN)

Session Classification: Plenary 5

Contribution ID: **20**

Type: **not specified**

Discussion

Tuesday, 26 September 2023 17:20 (10 minutes)

Session Classification: Plenary 5

Contribution ID: **21**

Type: **not specified**

ALICE

Tuesday, 26 September 2023 14:00 (10 minutes)

Presenters: HRIVNACOVA, Ivana (Université Paris-Saclay (FR)); WENZEL, Sandro Christian (CERN)

Session Classification: Parallel 3B

Contribution ID: 22

Type: **not specified**

ATLAS

Tuesday, 26 September 2023 14:10 (10 minutes)

Presenter: BANDIERAMONTE, Marilena (University of Pittsburgh (US))

Session Classification: Parallel 3B

Contribution ID: 23

Type: **not specified**

CMS

Tuesday, 26 September 2023 14:20 (10 minutes)

Presenter: Prof. IVANTCHENKO, Vladimir (CERN)

Session Classification: Parallel 3B

Contribution ID: 24

Type: **not specified**

LHCb

Tuesday, 26 September 2023 14:30 (10 minutes)

Presenter: POKORSKI, Witold (CERN)

Session Classification: Parallel 3B

Contribution ID: 25

Type: **not specified**

IF/Neutrino

Tuesday, 26 September 2023 14:40 (10 minutes)

Presenter: WENZEL, Hans-Joachim

Session Classification: Parallel 3B

Contribution ID: 26

Type: **not specified**

IBS/Underground Physics

Tuesday, 26 September 2023 14:50 (10 minutes)

Presenter: JEON, Eunju (Center for Underground Physics, IBS)

Session Classification: Parallel 3B

Contribution ID: 27

Type: **not specified**

Medical Physics

Tuesday, 26 September 2023 15:00 (10 minutes)

Presenter: GUATELLI, Susanna

Session Classification: Parallel 3B

Contribution ID: **28**

Type: **not specified**

Discussion

Tuesday, 26 September 2023 15:10 (20 minutes)

Session Classification: Parallel 3B

Contribution ID: 29

Type: **not specified**

Extended example: analysis/AnaEx03

Tuesday, 26 September 2023 09:00 (5 minutes)

Presenter: HRIVNACOVA, Ivana (Université Paris-Saclay (FR))

Session Classification: Parallel 2A

Contribution ID: **30**

Type: **not specified**

Extended example: medical/dna/jetcounter

Tuesday, 26 September 2023 09:05 (5 minutes)

Presenters: BRZOZOWSKA, Beata (University of Warsaw); TRAN, Hoang Ngoc (CENBG/CRNS); TRAN, Hoang

Session Classification: Parallel 2A

Contribution ID: **31**

Type: **not specified**

Extended example: medical/dna/dnadamage2

Tuesday, 26 September 2023 09:10 (5 minutes)

Presenters: KONDO NAOKI, Dominguez (UCSF); TRAN, Hoang Ngoc (CENBG/CRNS); TRAN, Hoang

Session Classification: Parallel 2A

Contribution ID: **32**

Type: **not specified**

Extended example: medical/dna/UHDR

Tuesday, 26 September 2023 09:15 (5 minutes)

Presenters: TRAN, Hoang Ngoc (CENBG/CRNS); TRAN, Hoang

Session Classification: Parallel 2A

Contribution ID: **33**

Type: **not specified**

Extended example: medical/radiobiology

Tuesday, 26 September 2023 09:20 (5 minutes)

Presenter: CIRRONE, Pablo

Session Classification: Parallel 2A

Contribution ID: 34

Type: **not specified**

Advanced example: hadrontherapy

Tuesday, 26 September 2023 09:25 (10 minutes)

Presenter: CIRRONE, Pablo

Session Classification: Parallel 2A

Contribution ID: 35

Type: **not specified**

Advanced examples: eFlash_radiotherapy and radioprotection

Tuesday, 26 September 2023 09:35 (10 minutes)

Presenter: MILUZZO, Giuliana (INFN Catania)

Session Classification: Parallel 2A

Contribution ID: 36

Type: **not specified**

New space physics examples derived from ATHENA telescope

Tuesday, 26 September 2023 09:45 (10 minutes)

Presenter: STANZANI, Ronny

Session Classification: Parallel 2A

Contribution ID: 37

Type: **not specified**

A PoC for a graphical Geant4 Interface and simulation management: potential users and possibilities

Tuesday, 26 September 2023 09:55 (10 minutes)

Presenter: Dr MANTERO, Alfonso (Sward srl)

Session Classification: Parallel 2A

Contribution ID: **38**

Type: **not specified**

Geant4 teaching/learning opportunities

Tuesday, 26 September 2023 10:15 (15 minutes)

Presenter: MORGAN, Benjamin (University of Warwick (GB))

Session Classification: Parallel 2A

Contribution ID: 39

Type: **not specified**

Status of IAEAphsp example

Tuesday, 26 September 2023 10:05 (10 minutes)

Presenter: NOT SUPPLIED, MIGUEL ANTONIO CORTES GIRALDO

Session Classification: Parallel 2A

Contribution ID: 40

Type: **not specified**

Status update on Geant4 EM physics

Wednesday, 27 September 2023 16:00 (30 minutes)

Primary author: Prof. IVANTCHENKO, Vladimir (CERN)

Presenter: Prof. IVANTCHENKO, Vladimir (CERN)

Session Classification: Plenary 7

Contribution ID: 41

Type: **not specified**

The G4-Med project: status update.

Wednesday, 27 September 2023 16:30 (30 minutes)

Primary author: GUATELLI, Susanna

Presenter: GUATELLI, Susanna

Session Classification: Plenary 7

Contribution ID: 42

Type: **not specified**

Geant4-DNA: status update

Wednesday, 27 September 2023 17:00 (30 minutes)

Primary author: TRAN, Hoang Ngoc (CENBG/CRNS)

Presenter: TRAN, Hoang Ngoc (CENBG/CRNS)

Session Classification: Plenary 7

Contribution ID: 43

Type: **not specified**

Model of the single Coulomb scattering of e^-/e^+ based on numerical DCS from DPWA

Wednesday, 27 September 2023 14:00 (15 minutes)

Presenter: NOVAK, Mihaly (CERN)

Session Classification: Parallel 5A

Contribution ID: 44

Type: **not specified**

Geant4 based Dose Planning Monte Carlo (DPM)

Wednesday, 27 September 2023 15:15 (15 minutes)

Presenter: NOVAK, Mihaly (CERN)

Session Classification: Parallel 5A

Contribution ID: 45

Type: **not specified**

Geant4 Development Status and Updates

Monday, 25 September 2023 11:00 (25 minutes)

Presenter: MORGAN, Benjamin (University of Warwick (GB))

Session Classification: Plenary 2 - Collaboration tools

Contribution ID: 46

Type: **not specified**

Geant-Val Status and Updates

Monday, 25 September 2023 11:25 (25 minutes)

Presenters: KONSTANTINOV, Dmitri (University of Virginia (US)); PEZZOTTI, Lorenzo (CERN)

Session Classification: Plenary 2 - Collaboration tools

Contribution ID: 47

Type: **not specified**

Geant4 Web Presence Status and Updates

Monday, 25 September 2023 11:50 (20 minutes)

Presenter: MORGAN, Benjamin (University of Warwick (GB))

Session Classification: Plenary 2 - Collaboration tools

Contribution ID: 48

Type: **not specified**

Free Discussion

Monday, 25 September 2023 12:10 (20 minutes)

Session Classification: Plenary 2 - Collaboration tools

Contribution ID: 49

Type: **not specified**

X-Ray reflection process

Monday, 25 September 2023 14:00 (15 minutes)

Primary author: BURKHARDT, Helmut (Albert Ludwigs Universitaet Freiburg (DE))

Presenter: BURKHARDT, Helmut (Albert Ludwigs Universitaet Freiburg (DE))

Session Classification: Parallel 1A

Contribution ID: 50

Type: **not specified**

Development of new low energy EM models to describe ionisation in the atmosphere

Monday, 25 September 2023 14:15 (15 minutes)

Primary author: NICOLANTI, francesca

Presenter: NICOLANTI, francesca

Session Classification: Parallel 1A

Contribution ID: 51

Type: **not specified**

Geant4 channeling and Baier-Katkov models and their applications in accelerator physics, particle physics and space science

Monday, 25 September 2023 14:30 (15 minutes)

Primary author: SYTOV, Alexei (Universita e INFN, Ferrara (IT))

Presenter: SYTOV, Alexei (Universita e INFN, Ferrara (IT))

Session Classification: Parallel 1A

Contribution ID: 52

Type: **not specified**

Latest development of the quantum entangled simulation of the annihilation gammas in Geant4

Monday, 25 September 2023 14:45 (15 minutes)

Primary author: BORDES, Julien

Presenter: BORDES, Julien

Session Classification: Parallel 1A

Contribution ID: 53

Type: **not specified**

Discussion on EM bug reports and problems

Monday, 25 September 2023 15:15 (15 minutes)

Primary author: Prof. IVANTCHENKO, Vladimir (CERN)

Presenter: Prof. IVANTCHENKO, Vladimir (CERN)

Session Classification: Parallel 1A

Contribution ID: 54

Type: **not specified**

Discussion

Session Classification: Parallel 1A

Contribution ID: 55

Type: **not specified**

AdePT progress report

Thursday, 28 September 2023 09:00 (30 minutes)

Presenter: HAHNFELD, Jonas (CERN)

Session Classification: Parallel 6B

Contribution ID: 56

Type: **not specified**

Celeritas progress report

Thursday, 28 September 2023 09:30 (30 minutes)

Presenter: JOHNSON, Seth (Oak Ridge National Laboratory (US))

Session Classification: Parallel 6B

Contribution ID: 57

Type: **not specified**

Opticks progress report

Thursday, 28 September 2023 10:00 (30 minutes)

Presenter: WENZEL, Hans-Joachim

Session Classification: Parallel 6B

Contribution ID: 58

Type: **not specified**

Update on Geant4 hadronic physics

Tuesday, 26 September 2023 11:00 (25 minutes)

Presenter: RIBON, Alberto (CERN)

Session Classification: Plenary 4

Contribution ID: 59

Type: **not specified**

Introducing "tunes" in hadronic models

Tuesday, 26 September 2023 11:25 (15 minutes)

Presenter: YARBA, Julia

Session Classification: Plenary 4

Contribution ID: **60**

Type: **not specified**

Validation of Geant4 physics via calorimeter test-beam set-ups in geant-val

Tuesday, 26 September 2023 11:40 (20 minutes)

Presenter: PEZZOTTI, Lorenzo (CERN)

Session Classification: Plenary 4

Contribution ID: **61**

Type: **not specified**

Antiproton annihilation in INCL

Tuesday, 26 September 2023 12:00 (30 minutes)

Presenter: ZHARENOV, Demid

Session Classification: Plenary 4

Contribution ID: **62**

Type: **not specified**

Introduction to the Collaboration Meeting

Monday, 25 September 2023 09:15 (15 minutes)

Presenter: VERDERI, Marc (Centre National de la Recherche Scientifique (FR))

Session Classification: Plenary 1 - Opening addresses / open requirements

Contribution ID: **63**

Type: **not specified**

HEP requirements

Monday, 25 September 2023 09:30 (15 minutes)

Presenters: PEZZOTTI, Lorenzo (CERN); BANDIERAMONTE, Marilena (University of Pittsburgh (US))

Session Classification: Plenary 1 - Opening addresses / open requirements

Contribution ID: **64**

Type: **not specified**

Medical and bio-science requirements

Monday, 25 September 2023 09:45 (15 minutes)

Presenter: GUATELLI, Susanna

Session Classification: Plenary 1 - Opening addresses / open requirements

Contribution ID: 65

Type: **not specified**

Nuclear physics requirements

Monday, 25 September 2023 10:00 (15 minutes)

Presenter: SARMIENTO PICO, Luis Gerardo

Session Classification: Plenary 1 - Opening addresses / open requirements

Contribution ID: **66**

Type: **not specified**

No talk on space science and engineering requirements

Session Classification: Plenary 1 - Opening addresses / open requirements

Contribution ID: 67

Type: **not specified**

Open and new requirements: HEP intensity and cosmic frontier experiments

Monday, 25 September 2023 10:15 (15 minutes)

Presenter: GENSER, Krzysztof (Fermi National Accelerator Laboratory (US))

Session Classification: Plenary 1 - Opening addresses / open requirements

Contribution ID: **68**

Type: **not specified**

Development and implementation of a new Geant4 QMD model and its validation

Tuesday, 26 September 2023 14:00 (20 minutes)

Presenter: SATO, Yoshihide

Session Classification: Parallel 3A

Contribution ID: 69

Type: **not specified**

Graph Neural Networks for fast emulation of nuclear interaction models

Tuesday, 26 September 2023 14:20 (20 minutes)

Presenter: ARSINI, Lorenzo

Session Classification: Parallel 3A

Contribution ID: 70

Type: **not specified**

Update on tuning of hadronic model parameters

Tuesday, 26 September 2023 14:40 (20 minutes)

Presenter: YARBA, Julia

Session Classification: Parallel 3A

Contribution ID: 71

Type: **not specified**

n_TOF flux validation

Thursday, 28 September 2023 09:00 (20 minutes)

Presenter: Dr CORTES-GIRALDO, Miguel Antonio (Universidad de Sevilla)

Session Classification: Parallel 6A

Contribution ID: 72

Type: **not specified**

Beam simulation depending on physics lists

Thursday, 28 September 2023 09:20 (20 minutes)

Presenter: CHO, Kihyeon

Session Classification: Parallel 6A

Contribution ID: 73

Type: **not specified**

Status of python interfaces to Geant4

Thursday, 28 September 2023 11:00 (20 minutes)

Presenter: MORGAN, Benjamin (University of Warwick)

Session Classification: Plenary 8

Contribution ID: 74

Type: **not specified**

Julia interface to Geant4

Thursday, 28 September 2023 11:20 (20 minutes)

Presenters: MORGAN, Benjamin (University of Warwick); MATO VILA, Pere (CERN)

Session Classification: Plenary 8

Contribution ID: 75

Type: **not specified**

Geant4 Visualisation

Wednesday, 27 September 2023 09:25 (10 minutes)

Presenter: ALLISON, John

Session Classification: Plenary 6

Contribution ID: 76

Type: **not specified**

Introduction

Monday, 25 September 2023 16:00 (10 minutes)

Presenters: HAHNFELD, Jonas (CERN); VERDERI, Marc (Centre National de la Recherche Scientifique (FR))

Session Classification: Plenary 3

Contribution ID: 77

Type: **not specified**

Report from Evolution Task Force (includes 15' discussion time)

Monday, 25 September 2023 16:10 (40 minutes)

Presenter: ZABOROWSKA, Anna (CERN)

Session Classification: Plenary 3

Contribution ID: 78

Type: **not specified**

Evolution Task Force discussion time

Session Classification: Plenary 3

Contribution ID: 79

Type: **not specified**

Report from Early Career Researchers Committee (ECRC) (includes 15' discussion time)

Monday, 25 September 2023 16:50 (25 minutes)

Presenter: PEZZOTTI, Lorenzo (CERN)

Session Classification: Plenary 3

Contribution ID: **80**

Type: **not specified**

ECRC discussion time

Session Classification: Plenary 3

Contribution ID: **82**

Type: **not specified**

General Discussion

Monday, 25 September 2023 17:15 (15 minutes)

Session Classification: Plenary 3

Contribution ID: **83**

Type: **not specified**

Updates on Par04 and fast simulation

Monday, 25 September 2023 14:00 (30 minutes)

Presenters: ZABOROWSKA, Anna (CERN); SALAMANI, Dalila (CERN)

Session Classification: Parallel 1B

Contribution ID: **84**

Type: **not specified**

Progress with using geant-val

Monday, 25 September 2023 14:30 (15 minutes)

Presenter: SEMENIOUK, Igor (Centre National de la Recherche Scientifique (FR))

Session Classification: Parallel 1B

Contribution ID: 85

Type: **not specified**

Update on command-based scorers (TBC)

Monday, 25 September 2023 14:45 (20 minutes)

Presenter: ASAI, Makoto (Jefferson Lab, US)

Session Classification: Parallel 1B

Contribution ID: **86**

Type: **not specified**

Discussion time

Monday, 25 September 2023 15:05 (25 minutes)

Session Classification: Parallel 1B

Contribution ID: **87**

Type: **not specified**

Discussion

Wednesday, 27 September 2023 11:00 (1h 30m)

Session Classification: Parallel 4A

Contribution ID: **88**

Type: **not specified**

Activities and EM developments at LNS Catania

Monday, 25 September 2023 15:00 (15 minutes)

Primary authors: CIRRONE, Pablo (Unknown); FATTORI, Serena

Presenters: CIRRONE, Pablo (Unknown); FATTORI, Serena

Session Classification: Parallel 1A

Contribution ID: **89**

Type: **not specified**

Parallel 1A: New EM developments

Friday, 29 September 2023 09:00 (13 minutes)

Presenter: HAHNFELD, Jonas (CERN)

Session Classification: Plenary 9

Contribution ID: **90**

Type: **not specified**

Parallel 1B: Generic Processes & Materials

Friday, 29 September 2023 09:13 (13 minutes)

Presenter: VERDERI, Marc (Centre National de la Recherche Scientifique (FR))

Session Classification: Plenary 9

Contribution ID: 91

Type: **not specified**

Parallel 2A: Basic, Extended and Advanced Examples

Friday, 29 September 2023 09:26 (13 minutes)

Primary author: GUATELLI, Susanna

Co-author: HRIVNACOVA, Ivana (Université Paris-Saclay (FR))

Presenters: HRIVNACOVA, Ivana (Université Paris-Saclay (FR)); GUATELLI, Susanna

Session Classification: Plenary 9

Contribution ID: 92

Type: **not specified**

Parallel 2B: Geometry Working Session

Friday, 29 September 2023 09:39 (13 minutes)

Presenter: APOSTOLAKIS, John (CERN)

Session Classification: Plenary 9

Contribution ID: 93

Type: **not specified**

Parallel 3A: Hadronic I

Friday, 29 September 2023 09:52 (13 minutes)

Presenter: RIBON, Alberto (CERN)

Session Classification: Plenary 9

Contribution ID: 94

Type: **not specified**

Parallel 3B: Computing Performance

Friday, 29 September 2023 10:05 (13 minutes)

Presenters: FOLGER, Gunter; JUN, Soon Yung (Fermi National Accelerator Lab. (US))

Session Classification: Plenary 9

Contribution ID: 95

Type: **not specified**

Parallel 4A: Internal Communication Tools & Procedures; Publication Board Tools

Friday, 29 September 2023 10:18 (12 minutes)

Presenters: HOWARD, Alexander (Imperial College (GB)); MORGAN, Benjamin (University of Warwick); VERDERI, Marc (Centre National de la Recherche Scientifique (FR))

Session Classification: Plenary 9

Contribution ID: 96

Type: **not specified**

Kernel / non-physics (status, patch 11.1.2, expected and at risk features)

Thursday, 28 September 2023 14:00 (20 minutes)

Presenter: Dr COSMO, Gabriele (CERN)

Session Classification: Technical Forum

Contribution ID: 97

Type: **not specified**

Hadronic physics (status, patch 11.1.2, expected and at risk features)

Thursday, 28 September 2023 14:20 (20 minutes)

Presenter: RIBON, Alberto (CERN)

Session Classification: Technical Forum

Contribution ID: **98**

Type: **not specified**

EM Physics (status, patch 11.1.2, expected and at risk features)

Thursday, 28 September 2023 14:40 (20 minutes)

Presenters: NOVAK, Mihaly (CERN); Prof. IVANTCHENKO, Vladimir (CERN)

Session Classification: Technical Forum

Contribution ID: 99

Type: **not specified**

Non-C++ interfaces to Geant4

Thursday, 28 September 2023 15:00 (10 minutes)

Presenter: MORGAN, Benjamin (University of Warwick (GB))

Session Classification: Technical Forum

Contribution ID: **100**

Type: **not specified**

Geant4.jl - New Interface to Simulation Applications

Thursday, 28 September 2023 15:10 (15 minutes)

Presenter: MATO VILA, Pere (CERN)

Session Classification: Technical Forum

Contribution ID: **101**

Type: **not specified**

Application of Geant4 for proton therapy research ~ An example case of Hokkaido University

Thursday, 28 September 2023 15:30 (30 minutes)

Presenter: Prof. MATSUURA, Taeko

Session Classification: Technical Forum

Contribution ID: **102**

Type: **not specified**

Teaching Geant4 to Beginners

Thursday, 28 September 2023 16:00 (30 minutes)

Presenter: Mr SUTHERLAND, Ken

Session Classification: Technical Forum

Contribution ID: **103**

Type: **not specified**

CPU power efficiency in data centers

Thursday, 28 September 2023 11:40 (20 minutes)

Presenter: Dr MURAKAMI, Koichi

Session Classification: Plenary 8

Contribution ID: **104**

Type: **not specified**

Welcome and opening remarks

Monday, 25 September 2023 09:00 (15 minutes)

Presenters: Dr MATSUURA, Taeko (Hokkaido University); SASAKI, Takashi (High Energy Accelerator Research Organization (JP))

Session Classification: Plenary 1 - Opening addresses / open requirements

Contribution ID: **105**

Type: **not specified**

Parallel 5A: New EM validations

Friday, 29 September 2023 11:00 (15 minutes)

Presenters: ARCHER, Jay; ARCHER, Jay (University of Wollongong)

Session Classification: Plenary 10

Contribution ID: **106**

Type: **not specified**

Parallel 5B: Visualization

Friday, 29 September 2023 11:15 (15 minutes)

Presenter: GARNIER, Laurent

Session Classification: Plenary 10

Contribution ID: **107**

Type: **not specified**

Parallel 6A: Hadronic II

Friday, 29 September 2023 11:30 (15 minutes)

Presenter: RIBON, Alberto (CERN)

Session Classification: Plenary 10

Contribution ID: **108**

Type: **not specified**

Parallel 6B: R&D TF

Friday, 29 September 2023 11:45 (15 minutes)

Presenter: APOSTOLAKIS, John (CERN)

Session Classification: Plenary 10

Contribution ID: **109**

Type: **not specified**

Closing Remarks

Friday, 29 September 2023 12:10 (10 minutes)

Presenter: VERDERI, Marc (Centre National de la Recherche Scientifique (FR))

Session Classification: Plenary 10

Contribution ID: **110**

Type: **not specified**

On differentiable programming and Geant4

Thursday, 28 September 2023 12:00 (20 minutes)

Presenter: NOVAK, Mihaly (CERN)

Session Classification: Plenary 8

Contribution ID: **111**

Type: **not specified**

Release Schedule

Friday, 29 September 2023 12:00 (10 minutes)

Presenter: Dr COSMO, Gabriele (CERN)

Session Classification: Plenary 10

Contribution ID: 112

Type: **not specified**

Announcement of 29th Geant4 Collaboration Meeting

Friday, 29 September 2023 12:20 (10 minutes)

Presenter: CIRRONE, Pablo

Session Classification: Plenary 10