

Session Program

22-27 Apr 2024



VIEnna Workshop on Simulations 2024

Geant4 Beginner course

Monday 22 April

09:00

Geant4 Beginner course

Session |

Location: Lecture room: Seminar room 1 Campus Akademie (Österreichische Akademie der Wissenschaften)
Bäckerstrasse 13 A-1010 Vienna Austria

09:00–09:15

Welcome and logistics

Speakers

Luciano Pandola, Dr Valentyna Mokina

09:15–10:00

C++ refresher / CMake

Speaker

Carlo Mancini Terracciano

10:00–11:00

Hands-on

11:00

11:30

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11:30–11:45

Docker containers

Speaker

Carlo Mancini Terracciano

11:45–12:30

Introduction to Geant4 and MC method

Speaker

Luciano Pandola

12:30–13:00

Q&A

Speaker

Luciano Pandola

13:00

14:30

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14:30–15:00

Installation of Geant4 and application build

Speaker

Pablo Cirrone

15:00–16:00

Task0

16:00

16:30

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16:30–17:30

Task0 (continuation)

17:30–17:50

UI Interfaces**Speaker**

Luciano Pandola

17:50

Tuesday 23 April

09:00

Geant4 Beginner course

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09:00–09:45

Materials and Geometry

Speaker

Pablo Cirrone

09:45–10:30

Task1

10:30

11:00

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11:00–13:00

Task1 (continuation)

13:00

14:30

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14:30–14:50

Primary generator

Speaker

Carlo Mancini Terracciano

14:50–16:00

Task2

16:00

16:30

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16:30–17:15

Physics - part 1

Speaker

Luciano Pandola

17:15–18:00

Task3a

18:00

Wednesday 24 April

09:00

Geant4 Beginner course

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09:00–09:45

Physics - part 2

Speaker

Carlo Mancini Terracciano

10:30

09:45–10:30

Task3

11:00

Geant4 Beginner course

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11:00–13:00

Task3 (continuation)

13:00

14:30

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14:30–15:20

Interaction with kernel - part 1

Speaker

Luciano Pandola

16:00

15:20–16:00

Task4

16:30

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16:30–18:00

Task4 (continuation)

18:00

Thursday 25 April

09:00

Geant4 Beginner course

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09:00–09:30

Interaction with kernel - part 2

Speaker

Carlo Mancini Terracciano

10:30

09:30–10:30

Task4 (continuation)

11:00

Geant4 Beginner course

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11:00–11:50

Task4 (continuation)

11:50–12:50

Geant4.jl: Particle Transportation in Julia

Speaker

Pere Mato Vila

13:00

12:50–13:00

Closing