

## **Session Program**

**25-29 Nov 2024**

# **The XII Geant4 International School**

## ***Geant4 theoretical lesson***

Extreme Light Infrastructure - Nuclear Physics (ELI-NP), IFIN-HH Training and Conference Center  
30 Reactorului street, Magurele, Ilfov, Romania

# Monday 25 November

11:00

## Geant4 theoretical lesson

Session |

Location: Extreme Light Infrastructure - Nuclear Physics (ELI-NP), IFIN-HH Training and Conference Center, 30 Reactorului street, Magurele, Ilfov, Romania

11:00-12:00 **Introduction to Monte Carlo and Geant4 toolkit**

**Speaker**

Dr Pablo Cirrone

12:00-12:30 **Installation of Geant4 and build of a geant4 application**

**Speaker**

Pablo Cirrone

12:30

## Geant4 theoretical lesson

Session |

Location: Extreme Light Infrastructure - Nuclear Physics (ELI-NP), IFIN-HH Training and Conference Center, 30 Reactorului street, Magurele, Ilfov, Romania

16:30-17:30 **Geant4 User Interface**

**Speaker**

Dr Pablo Cirrone

18:00

## Tuesday 26 November

09:00

### Geant4 theoretical lesson

Session |

**Location:** Extreme Light Infrastructure - Nuclear Physics (ELI-NP), IFIN-HH Training and Conference Center, 30 Reactorului street, Magurele, Ilfov, Romania

09:00–10:30

**Materials and Geometry**

10:30

15:00

### Geant4 theoretical lesson

Session |

**Location:** Extreme Light Infrastructure - Nuclear Physics (ELI-NP), IFIN-HH Training and Conference Center, 30 Reactorului street, Magurele, Ilfov, Romania

15:00–16:00

**Primary generator action**

16:00

## Wednesday 27 November

09:00

### Geant4 theoretical lesson

Session |

**Location:** Extreme Light Infrastructure - Nuclear Physics (ELI-NP), IFIN-HH Training and Conference Center, 30 Reactorului street, Magurele, Ilfov, Romania

09:00–10:00 **Physics part I**

10:00

11:45

### Geant4 theoretical lesson

Session |

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11:45–12:30 **Physics part 2**

12:30

15:00

### Geant4 theoretical lesson

Session |

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15:00–16:00 **Interaction with the Kernel I**

16:00

## Thursday 28 November

11:00

### Geant4 theoretical lesson: Interaction with the Geant4 Kernel II

Session |

Location: Extreme Light Infrastructure - Nuclear Physics (ELI-NP), IFIN-HH Training and Conference Center, 30 Reactorului street, Magurele, Ilfov, Romania

11:00-12:00 **Interaction with the Geant4 Kernel II**

12:00