

# **66th Geant4 Technical Forum**

## **Report of Contributions**

Contribution ID: **1**

Type: **not specified**

# Introduction

*Thursday, 18 December 2025 15:00 (10 minutes)*

**Presenter:** RIBON, Alberto (CERN)

**Session Classification:** Developers part

Contribution ID: 2

Type: **not specified**

## What's new in 11.4: non-physics part

*Thursday, 18 December 2025 15:10 (20 minutes)*

**Presenter:** Dr COSMO, Gabriele (CERN)

**Session Classification:** Developers part

Contribution ID: 3

Type: **not specified**

## What's new in 11.4: EM physics

*Thursday, 18 December 2025 15:30 (20 minutes)*

**Presenter:** Prof. IVANTCHENKO, Vladimir (CERN)

**Session Classification:** Developers part

Contribution ID: 4

Type: **not specified**

## What's new in 11.4: hadronic physics

*Thursday, 18 December 2025 15:50 (20 minutes)*

**Presenter:** RIBON, Alberto (CERN)

**Session Classification:** Developers part

Contribution ID: 5

Type: **not specified**

## R&D activity update

*Thursday, 18 December 2025 16:10 (20 minutes)*

**Presenter:** POKORSKI, Witold (CERN)

**Session Classification:** Developers part

Contribution ID: 6

Type: **not specified**

## **G4VR: A Virtual Reality Extension for GEANT4**

*Thursday, 18 December 2025 16:30 (20 minutes)*

**Presenters:** JOBILAL, BENJAMIN; IQBAL, Muhammad Ansar (University of California Los Angeles (US))

**Session Classification:** Users part

Contribution ID: 7

Type: **not specified**

## **Geant4 in the Browser: Challenges and Progress in WebAssembly-Based Particle Transport**

*Thursday, 18 December 2025 16:50 (20 minutes)*

**Presenter:** GRZANKA, Leszek (AGH University of Krakow (PL))

**Session Classification:** Users part



Contribution ID: 8

Type: **not specified**

## CMS Full simulation status

*Thursday, 18 December 2025 17:10 (15 minutes)*

**Presenter:** BANERJEE, Sunanda (University of Wisconsin Madison (US))

**Session Classification:** Users part

Contribution ID: 9

Type: **not specified**

## ATLAS Full Simulation update

*Thursday, 18 December 2025 17:25 (15 minutes)*

**Presenter:** ESSEIVA, Julien (Lawrence Berkeley National Lab. (US))

**Session Classification:** Users part

Contribution ID: **10**

Type: **not specified**

## **Let's Enable Seamless Data Exchange Between Particle Accelerator & Matter/Detector Modeling**

*Thursday, 18 December 2025 17:40 (20 minutes)*

**Presenter:** FORMENTI, Arianna (LBNL)

**Session Classification:** Users part