

Session Program

7-11 Oct 2024

29th Geant4 Collaboration Meeting

Plenary: Basic, Extended, and Advanced Examples

Hotel Four Points by Sheraton

Tuesday 8 October

14:00

Plenary: Basic, Extended, and Advanced Examples

Session | **Location:** Hotel Four Points by Sheraton | **Conveners:** Francesco Romano, Ivana Hrivnacova

14:00–14:15

Basic and Extended Examples Summary

Speaker

Ivana Hrivnacova

14:15–14:22

New Extended Channeling Examples

Speaker

Alexei Sytov

14:22–14:29

The Radiobiology Example: A Flexible Framework for Machine Learning, Phase Space testing and beyond in Monte Carlo Applications

Speaker

Alberto Sciuto

14:29–14:36

Effects of Oxygen depletion in extremely high dose rate proton irradiation investigated through the Scavenger example

Speakers

Fateme Farokhi, Serena Fattori

14:36–14:43

UHDR example update

Speakers

Le Anh Tuan, Ngoc Hoang Tran, Serena Fattori

14:43–14:55

Advanced Examples Summary

Speaker

Francesco Romano

14:55–15:03

eFLASH_radiotherapy and exp_microdosimetry examples: status and recent developments

Speaker

Giuliana Milluzzo

15:03–15:11

Hadrontherapy example: Current Status and Future Perspectives

Speaker

Giada Petringa

15:11–15:19

Status and new developments for the Medical Linac Example

Speaker

Silvia Pozzi

15:19–15:24

IAEA Phase Space file status

Speaker

Dr Miguel Antonio Cortes-Giraldo

15:24–15:29

Contributions to Advanced Examples for ICRP Reference Phantoms

Speaker

Yeon Soo Yeom

15:30