

## Session Program

24-26 Apr 2019



GOBIERNO  
DE ESPAÑA

MINISTERIO  
DE CIENCIA, INNOVACIÓN  
Y UNIVERSIDADES

**Ciemat**  
Centro de Investigaciones  
Energéticas, Medioambientales  
y Tecnológicas

# ENSAR2 workshop: GEANT4 in nuclear physics

## *GEANT4 tools*

Other Institutes

CIEMAT Main auditorium - building 1 Avda. Complutense 40 28040 Madrid Spain

# Thursday 25 April

09:00

## GEANT4 tools

**Session** |

**Location:** Other Institutes, CIEMAT Main auditorium - building 1 Avda. Complutense 40 28040 Madrid Spain |

**Convener:** Prof. Nasser Kalantar-Nayestanaki

09:00–09:40

### Geant4 scoring functionalities

**Speaker**

Makoto Asai

09:40–10:20

### Biasing in Geant4

**Speaker**

Marc Verderi

10:20–10:50

### Class II simulation of electron and proton transport: PENELOPE and PENH

**Speaker**

Dr Francesc Salvat

10:50–11:10

### GEANT4 TOOLS FOR THE DESIGN AND ANALYSIS OF PHOTO-FISSION EXPERIMENTS AT ELI-NP

**Speaker**

Dragos-Florian Nichita

11:10

15:20

## GEANT4 tools: Geant4 tools

**Session** |

**Location:** Other Institutes, CIEMAT Main auditorium - building 1 Avda. Complutense 40 28040 Madrid Spain |

**Convener:** Hector Alvarez Pol

15:20–15:40

### ExpertRoot. A GEANT4 and FairRoot based framework for simulation and reconstruction of Nuclear Physics experiments at ACCULINNA2 and SuperFRS facilities.

**Speaker**

Mikhail Kozlov

15:40–16:00

### GROOT: A novel Geant4 and ROOT Monte Carlo tool for nuclear physics

**Speaker**

Dario Lattuada

16:00