

## 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 *Medical applications*

Other Institutes

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

## Wednesday 24 April

16:20

### Medical applications: Medical applications I

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

16:20-16:40

#### **G4\_Med, a Geant4 benchmarking tool for medical physics applications**

**Speaker**

Miguel Antonio Cortes Giraldo

16:40-17:00

#### **A hybrid method calculating linear energy transfer for intensity modulated proton therapy**

**Speaker**

Xiaoning Ding

17:00-17:20

#### **Geant4 simulation of the ELIMED/ELIMAIA beamline, an open Users beamline for irradiation with laser-driven ion beams**

**Speaker**

Pablo Cirrone

17:20-17:40

#### **Covering the upper clinical energy range of Geant4-DNA for proton transport in liquid water**

**Speaker**

Antonio Damián Domínguez Muñoz

17:40