

Session Program

24-26 Apr 2019



ENSAR2 workshop: GEANT4 in nuclear physics

Nuclear reactions at low and intermediate energies

Other Institutes

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

Wednesday 24 April

09:30

Nuclear reactions at low and intermediate energies: Nuclear reaction models in GEANT4

Session |

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

Convener: Daniel Cano Ott

09:30–10:05

Transport of low energy neutrons and charged particles in Geant4

Speaker

Dr Emilio Mendoza

10:05–10:40

Geant4 pre-compound model and nuclear de-excitation module

Speaker

Vladimir Ivantchenko

10:40–11:10

The interface of BLOB with GEANT4

Speaker

Carlo Mancini Terracciano

11:10

11:40

Nuclear reactions at low and intermediate energies

Session |

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

Convener: Daniel Cano Ott

11:40–12:10

Cross-sections of Light Nuclei in the Glauber-Gribov representation

Speaker

Prof. Vladimir Grichine

12:10–12:40

Fission Models in Geant4: Status and Plans

Speaker

Dennis Herbert Wright

12:40

Thursday 25 April

11:40

Nuclear reactions at low and intermediate energies: Nuclear reactions II

Session |**Location:** Other Institutes, CIEMAT Main auditorium - building 1 Avda. Complutense 40 28040 Madrid Spain |**Convener:** Prof. Nasser Kalantar-Nayestanaki

11:40–12:10

The Liège Intranuclear Cascade (INCL) model. Its evolutions and capabilities.

Speaker

Jean-Christophe David

12:10–12:30

Development of a simulation toolkit for lifetime studies based on Doppler-shift methods

Speaker

Thomas Braunroth

12:30–12:50

Calculation of the neutron production induced by radiogenic alpha-decay with Geant4

Speakers

Daniel Cano Ott, Dr Emilio Mendoza

12:50