

Geant4 Tutorial 15/6/2017, Ton Duc Thang University, HCMC

in Vietnamese

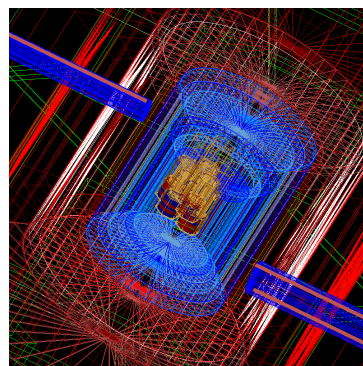
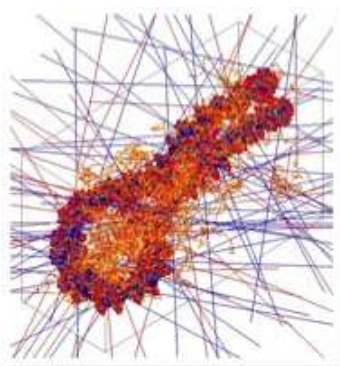
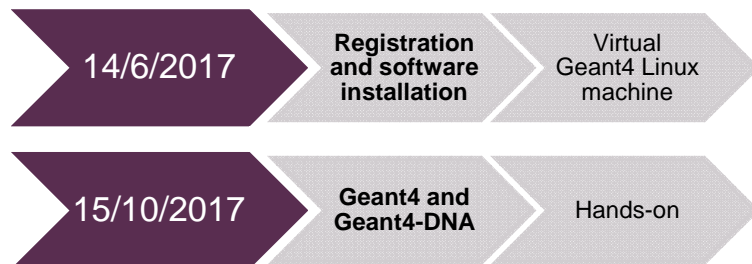
LIMITED TO 15
PARTICIPANTS

Purpose: New comer training on the Geant4 Monte Carlo simulation toolkit and basic application development

Lecturers: Dr. Tran Ngoc Hoang, Dr. Pham Quang Trung, Dr. Sebastien Incerti (Geant4 and Geant4-DNA Collaboration members)

For: Master and PhD students, medical physicists and young researchers interested in Geant4. Participants are expected to have a reasonable knowledge of C++ and Linux OS or familiarity with Geant4.

Registration fee: free (participants are required to bring their own laptop (Core i3, RAM 4Go). A virtual machine with a Linux OS and a ready-to-use Geant4 installation will be provided together with the installation instructions.



Program

1. General presentation about **Geant4** and the latest version of Geant4
2. Installation of Geant4 on Linux OS or virtual machine (optional)
3. Single and multi-threading modes
4. Hands-on in **electromagnetic physics**
5. Hands-on in **hadronic physics (biasing and scoring mesh)**
6. Hands-on in **data extraction** from simulation
7. Hands-on in **data analysis** from simulation
8. Hands-on with **microdosimetry and dnaphysics example (geometry and material definition)**
9. Presentation of the **chemical stage of Geant4-DNA** (optional)

**Online registration deadline
May 1st, 2017**

<https://indico.in2p3.fr/event/14067/>



Contact

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(For installation reasons, participants are required a desk registration at Ton Duc Thang University before 5 pm on 14/6/2017)