

Dates : 23/05/2016 – arrivée des participants

23/05/2016	10:30	Presentation de l'école	Ivana Hrivnacova (IPNO)
	10:45	Introduction in Geant4, Kernel Exercice: <i>Building Geant4 Application</i>	Marc Verderi (LLR), Ivana Hrivnacova (IPNO) all
	12:30	Déjeuner	
	14:00	Geometry & Materials Exercice: <i>Adding more realistic geometry</i>	Ivana Hrivnacova (IPNO) all
	15:30	Pause	
	16:00	User Documents, User Interface, Xcode Exercice: <i>Visualization attributes, inspecting geometry</i>	Ivana Hrivnacova (IPNO), Laurent Garnier (OSUR) all
	18:00	fin de session	
	20:00	Dîner	

24/05/2016	09:00	Primary Particles Exercice: <i>Primary generator class</i>	Marc Verderi (LLR) all
	10:30	Pause	
	11:00	Random number generators, Visualization Exercice: <i>Random numbers, extending GUI</i>	Marc Verderi (LLR), Laurent Garnier (OSUR) all
	12:30	Déjeuner	
	14:00	Physics overview, physics list Exercice: <i>Adding physics list, exploring physics processes</i>	Marc Verderi (LLR) all
	15:30	Pause	
	16:00	Physics processes, cuts, regions Exercice: <i>Cuts, regions</i>	Marc Verderi (LLR) all
	18:00	fin de session	
20:00	Dîner		

25/05/2016	09:00	User Actions and Scoring	Marc Verderi (LLR), Ivana Hrivnacova (IPNO)
	10:30	Exercice: <i>Complete tracker detector</i>	all
	10:30	Pause	
	11:00	Scoring, More on Visualization Exercice: <i>Complete calorimeter detector, drawing hits</i>	Ivana Hrivnacova (IPNO), Laurent Garnier (OSUR) all
	12:30	Déjeuner	
	14:00	Analysis Exercice: <i>Add histograms, ntuples</i>	Ivana Hrivnacova (IPNO) all
	15:30	Pause	
	16:00	More on Kernel, User Interface Exercice: <i>Use of G4GenericMessenger</i>	Ivana Hrivnacova (IPNO), Laurent Garnier (OSUR) all
18:00	fin de session		
20:00	Dîner		

26/05/2016	09:00	Multithreading – 1 Exercice: <i>Migrate an application in multithreading</i>	Ivana Hrivnacova (IPNO) all
	10:30	Pause	
	11:00	Multithreading – 2 Exercice: <i>Configuring MT application, data race</i>	Ivana Hrivnacova (IPNO) all
	12:30	Déjeuner	
	14:00	More on Geometry Exercice: <i>Adding magnetic field, upgrade of geometry</i>	Ivana Hrivnacova (IPNO) all
	15:30	Pause	
	16:00	More on Physics – 1 Exercice: <i>Energy deposit depending on particle species</i>	Marc Verderi (LLR) all
	18:00	fin de session	
20:00	Dîner		

27/05/2016	09:00	More on Physics – 2 Exercice: <i>Production of secondaries with cuts</i>	Marc Verderi (LLR) all
	10:30	Pause	
	11:00	Choosing Physics List, Geometry persistency Exercice: <i>Export/import geometry in GDML</i>	Marc Verderi (LLR), Ivana Hrivnacova (IPNO) all
	12:30	Déjeuner	
	14:00	Event Biasing Exercice: <i>Shielding</i>	Marc Verderi (LLR) all
	15:30	Closing session	all
16:00	fin de session		

Date 27/05/2016: départ des participants