IV Geant4 International User Conference at the physics-medicine-biology frontier

Monday, 24 October 2022

Geant4 for Medical Physics - Centro Congressi "Federico II", (11:00 - 13:00)

time	[id] title	presenter
11:00	[122] Keynote: Update on the G4-Med project and on the Geant4 Advanced Examples for medical applications	GUATELLI, Susanna
11:23	[124] Keynote: Geant4 applications in MRI-guided x-ray and proton beam therapy	OBORN, B. M.
11:46	[87] Performance evaluation of Siemens Somatom go.Open Pro CT scanner using GATE: dosimetry and image quality for treatment planning in radiotherapy	RAYMOND, Gaëtan
11:59	[114] Recent developments of Geant4 Advanced Examples for medical applications	ROMANO, Francesco
12:11	[103] Noise in accelerated in-silico x-ray breast images: impact on the breast anatomy and the detector	Dr SARNO, Antonio
12:23	[91] Geant4 Monte Carlo simulations for size specific organ dose estimates in CT based on patient silhouette and voxelilzed phantoms.	MADDALONI, Francesca Saveria
12:35	[52] Generation and tracking of inverse Compton scattering photons in Geant4	PATERNÒ, Gianfranco
12:47	[53] A Geant4 tool for the simulation of contrast enhanced dual-energy mammography – Study of polychromatic versus quasi-monochromatic X- ray spectra and different contrast agents	Dr PATERNÒ, Gianfranco