

Session Program

13-24 Sept 2021

**[Virtual] 26th Geant4 Collaboration Meeting
[Plenaries 20th to 24th]**

Parallel EM

Friday 17 September

09:00

Parallel EM: EM - 1

Session | **Conveners:** Luciano Pandola, Vladimir Ivantchenko

09:00–09:20

Reconfiguration of G4LowEPPysics for low energy polarised X-/gamma ray transport applications

Speaker

Jeremy Brown

09:20–09:40

Updates on PIXE

Speaker

Samer Bakr

09:40–10:00

Geant4 implementation of interference effects in X-ray coherent scattering

Speaker

Gianfranco Paterno

10:00–10:20

Geant4-DNA datasets for ionization and excitation of liquid water by protons above 100 MeV

Speaker

A. Damián Domínguez Muñoz

10:20–10:50

Discussion about model catalogue

Speaker

Vladimir Ivantchenko

11:00

16:00

Parallel EM: EM - 2

Session | **Conveners:** Vladimir Ivantchenko, Luciano Pandola

16:00–16:20

Implementation of the EPICS2017 database for photons in Geant4

Speaker

Li Zhuxin

16:20–16:40

Geant4 simulation of X-ray transition radiation at small angles

Speaker

Vladimir Grichine

16:40–17:00

GEANT4 MicroElec module 2021 update

Speakers

Christophe Inguibert, Quentin Gibaru

17:00–17:15

Implementing new physics models for electrons in DNA nucleobases

Speaker

Sara Zein

18:00

17:15-17:35

Mesoscopic model of Water Radiolysis in Geant4-DNA

Speaker

Ngochoang Tran