

Session Program

10-14 Feb 2014



ICTR-PHE 2014

Proffered papers - Physics III

Centre International de Conférences de Genève (CICG)
International Conference Centre Geneva 17, rue de Varembeé CH- 1211 Geneva 2

Thursday 13 February

10:30

Proffered papers - Physics III

Session | **Location:** Room 4, International Conference Centre Geneva 17, rue de Varembeé CH- 1211 Geneva 2 |
Conveners: Ken Peach, Denis Dauvergne

10:30-10:40

Ultimate Time Resolution in Time-of-Flight PET

Speaker

Paul Lecoq

Location

Room 4

10:40-10:50

Ultrafast PET Detectors Based on Digital SiPMs and Their Use in In-Situ PET and Prompt Gamma Ray Imaging

Speaker

Dennis Schaart

Location

Room 4

10:50-11:00

4D Dose calculations and 4D PET image reconstruction using deformable tetrahedral models of moving organs

Speaker

Petre Manescu

Location

Room 4

11:00-11:10

Motion compensated reconstructions in PET-based ion beam treatment verification for moving target

Speaker

Chiara Gianoli

Location

Room 4

11:10-11:20

Usage of long axial crystals for PET applications: the AX-PET demonstrator and beyond

Speaker

Chiara Casella

Location

Room 4

11:20-11:30

Realistic on-the-fly dose calculation for low energy X-rays Intra-Operative Radiation Therapy

Speaker

Marie Vidal

Location

Room 4

11:30-11:40

A single device for mechanical and radiation Quality Assurance measurements of medical accelerators

Speakers

Ernesto Valverde, John Wong

Location

Room 4

11:40-11:50

A combined electrical impedance tomography and cone beam CT for radiation therapy monitoring

Speaker

Manuchehr Soleimani

Location

Room 4

11:50