

## **Session Program**

**10-14 Feb 2014**



## **ICTR-PHE 2014**

### ***Proffered papers - Physics VI (Hadrons)***

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

# Friday 14 February

10:15

## Proffered papers - Physics VI (Hadrons)

**Session** | **Location:** Room 4, International Conference Centre Geneva 17, rue de Varembeé CH- 1211 Geneva 2 |  
**Conveners:** Ugo Amaldi, Hirohiko Tsujii

10:15-10:25

### Intra-fraction tumor tracking based on a surrogate-driven 4D CT motion model in particle radiation therapy

**Speaker**

Guido Baroni

**Location**

Room 4

10:25-10:35

### Prompt Gamma Imaging at MGH with LaBr<sub>3</sub> Scintillating Crystals

**Speaker**

Joao Seco

**Location**

Room 4

10:35-10:45

### Nanoparticles and protontherapy: disentangling possible physical effects

**Speaker**

Yolanda Prezado

**Location**

Room 4

10:45-10:55

### 95 MeV/A carbon fragmentation studies for hadrontherapy: measurements and comparisons with GEANT4 simulations

**Speaker**

Marc Labalme

**Location**

Room 4

10:55-11:05

### Properties of therapeutic He, Li and O beams studied with Geant4

**Speaker**

Lucas Burigo

**Location**

Room 4

11:05-11:15

### Automatic beam dose profiler for scanned pencil beams (protons and carbon ions) at the CNAO hadrontherapy facility

**Speaker**

Aurora Tamborini

**Location**

Room 4

11:15-11:25

**Proton Interaction Vertex Imaging for carbon therapy quality control**

**Speaker**

Regina Rescigno

**Location**

Room 4

11:25-11:35

**Dual energy CT to reduce range uncertainties in hadrontherapy**

**Speaker**

Guillaume Landry

**Location**

Room 4

11:35-11:45

**Research and development of a TOF-based multi-slit collimated camera for online hadrontherapy monitoring**

**Speaker**

Marco Pinto

**Location**

Room 4

11:45