

## **Session Program**

**10-14 Feb 2014**



## **ICTR-PHE 2014**

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

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

## Wednesday 12 February

16:30

### Proffered papers - Physics II (Hadrons)

**Session** | **Location:** Room 2 | **Conveners:** Katia Parodi, Guido Baroni

16:30–16:40

#### Initial Qualification of the Irradiation Uncertainties in Ion Beam Therapy of Prostate Cancer

**Speaker**

Antoni Rucinski

**Location**

Room 2

16:40–16:50

#### Can particle beam therapy be improved using helium ions? - A treatment planning study focusing on pediatric patients

**Speaker**

Barbara Knaeusl

**Location**

Room 2

16:50–17:00

#### MCTP: a new Monte Carlo-based treatment planning tool for hadrontherapy

**Speaker**

Giusseppe Battistoni

**Location**

Room 2

17:00–17:10

#### PlanIt: Planning Ion therapy open platform for treatment plans testing and comparing

**Speaker**

Faiza Bourhaleb

**Location**

Room 2

17:10–17:20

#### Robustness of range prediction in proton therapy using prompt gamma emission

**Speaker**

Fiere Janssen

**Location**

Room 2

17:20–17:30

#### Simulation of Hadrontherapy In-beam monitoring at CNAO with the INSIDE detector

**Speaker**

Piergiorgio Cerello

**Location**

Room 2

17:30–17:40

**Evaluation of existing ripple filter designs for clinical use at the MedAustron ion beam therapy facility**

**Speaker**

Loic Grevillot

**Location**

Room 2

17:40–17:50

**The (non-) detectability of failures in motion mitigated ion beam delivery by means of in-beam PET**

**Speaker**

Kristin Stützer

**Location**

Room 2

17:50–18:00

**Assessment and improvements of Geant4 models in the context of prompt-gamma hadrontherapy monitoring**

**Speaker**

George Dedes

**Location**

Room 2

18:00–18:10

**Monte Carlo modelling of whole-body secondary cancer risk for conventional and emergent radiotherapy**

**Speaker**

Richard Hugtenburg

**Location**

Room 2

18:10