

Opengate Collaboration meeting
22-23/01/2020
Wuppertal (Germany)

Wednesday 22/01/2020 afternoon

- 14:00** 1 Introduction & welcome Uwe
- 14:25** 2 Luc Simon (Toulouse): Gate activities @ Toulouse
- 14:50** 3 Panagiotis Papadimitroulas (Athens): Gate activities @ BIOEMTECH
- 15:15** 4 Rachel Delorme (Orsay): LPSC project: Improved prediction of biological effects for innovative targeted radiotherapies using GATE and NanOx model
- 15:40** **Coffee Break**
- 16:05** 5 Lydia Maigne (Clermont-Ferrand): Gate activities @ Clermont-Ferrand
- 16:30** 6 Nicolo Tuccori (UK): CT scanner airport
- 16:55** 7 Karl Ziemons (Aachen): Experimental and Theoretical Validation of Nuclear Data and Models using different Monte Carlo Codes
- 17:20** 8 Vladimir Ivantchenko (Geant4): last G4 developments and validations
- 19:00** **Opengate collaboration dinner**

Thursday 23/01/2020 morning

- 09:00** 1 Sebastien Jan (Orsay): Gate activities @ Orsay
- 09:25** 2 Marc-Antoine Verdier (Orsay): Gate activities @ Orsay
- 09:50** 3 Mariele Stockhoff (Gent): Gate activities @ Gent
- 10:15** 4 David Sarrut (Lyon): Gate activities @ Lyon, Artificial Intelligence for Monte Carlo simulation
- 10:40** **Coffee Break**
- 11:05** 5 Joey Labour (Lyon, Nancy): PET Vereos simulation with Gate
- 11:30** 6 Mirjam Lenz and Uwe Pietrzyk (Julich): new digitiser module for modelling the readout of a single PET detector block with digital SiPMs + Gate activities @ Julich
- 11:55** 7 Christian Morel (Marseille): Implementation and validation of an SiPM model in GATE, Gate activities @ Marseille
- 12:20** 8 Wojciech Krzemien (Krakow): Monte Carlo simulations in the J-PET project

Thursday 23/01/2020 afternoon

- 14:00** 1 Nils Fred (Lyon, Roma, Krakow): Fred MC code and Gate87
- 14:25** 2 Carla Winterhalter (Manchester): Physic list for protontherapy
- 14:50** 3 Hermann Fuchs (Vienna): Gate activities @ Vienna
- 15:15** 4 Marta Bolsa Ferruz (Wiener Neustadt): carbon dosimetry/ICRU90, Gate activities @ Medauston
- 15:40** **Coffee Break**
- 16:05** 5 David Boersma Wiener Neustadt): status of IDEAL project @ ACMIT GmbH
- 16:30** 6 Clément Corneille (Strasbourg): Gate activities @ Strasbourg
- 16:55** 7 Peter Sitch (Christie – Manchester): Clinical Gate RT-ion implementation: An AUTOMC update
- 17:20** 8 David & David: hackathon, gatetools and Gate status