

GATE Scientific meeting 2023

mardi 25 avril 2023

GATE scientific meeting 2023: Session 1 (08:40 - 10:20)

time	[id] title	presenter
08:40	[60] Welcome	Prof. MOSKAL, Paweł STĘPIEŃ, Ewa
09:00	[40] Introduction to Gate for newcomers - discussion	Dr MAIGNE, Lydia
09:40	[41] Gate Simulations of a Novel Positron Emission Tomography based on Liquid Opaque Detection	Dr VERDIER, Marc-Antoine
10:00	[43] General Electric Signa PET-MR simulations: validation with GATE	M. PAILLET, Adrien

GATE scientific meeting 2023: Session 2 (10:50 - 12:10)

time	[id] title	presenter
10:50	[61] Towards Total-Body J-PET	KRZEMIEN, Wojciech
11:10	[44] GATE simulated phantom studies on Positrono's NeuroLF, Siemens' Biograph Vision and Quadra	M. MOHR, Philipp
11:30	[45] Simulation of a neuroimaging experiment with MAPSSIC, a β^+ sensitive intracerebral microprobe	EL KETARA, Samir

GATE scientific meeting 2023: Session 3 (14:00 - 15:40)

time	[id] title	presenter
14:00	[47] Using Gate to predict clonogenic alteration in radiosensitization studies	Mlle BLIND, Sarah
14:20	[48] BioDose actor implementation and validation in GATE9.3 and GATE10	Dr PEREDA, Alexis
14:40	[49] The Cell Population platform (CPOP), Geant4DNA chemistry module	Dr MAIGNE, Lydia
15:00	[58] Monte Carlo Simulation of Elekta Geometry: Effect of Flattened Filter on Dose Distribution in a Heterogeneous Phantom	M. ASSALMI, Mustapha
15:20	[57] The benefits of particle transport simulations in a web browsers.	Dr GRZANKA, Leszek

GATE scientific meeting 2023: Session 4 (16:10 - 17:50)

time	[id] title	presenter
16:10	[59] Recent developments of CASToR at J-PET: an overview for GATE users	COUSSAT, Aurélien
16:30	[46] New Digitizer in Gate 9.3	KOCHEBINA, Olga
16:50	[54] Gate 9.3 and 10.beta releases	SARRUT, David

mercredi 26 avril 2023**GATE scientific meeting 2023: Session 5 (09:00 - 10:20)**

time	[id] title	presenter
09:00	[55] Dose activities boosted with AI from lab LaTIM	Dr ZHANG, Jing
09:20	[42] Monte Carlo research activities at the Institute of Nuclear Physics PAS in Kraków	Dr GAJEWSKI, Jan
09:40	[51] GATE RTion v1/IDEAL v1 for independent dose calculation in carbon ion beam therapy	RESCH, Andreas
10:00	[50] Verification of proton treatment planning by means of Monte Carlo	Dr BADARAOUI CUPROVA, Klara

GATE scientific meeting 2023: Session 6 (10:50 - 12:10)

time	[id] title	presenter
10:50	[52] In-beam and post irradiation measurement of proton treatments with the PETITION PET detector	MCNAMARA, Keegan
11:10	[53] Towards GATE 10 for ion beam therapy applications	Mlle FAVARETTO, Martina
11:30	[56] Validation of TEPCActor for slab detectors in microdosimetry	Mlle BARNA, Sandra
11:50	[62] Modelling and corrections of random & scatter coincidences in J-PET	PARZYCH, Szymon