



# IV Geant4 International User Conference at the physics-medicine-biology frontier

## Tuesday, October 25, 2022

### Geant4 for Nuclear Medicine - Centro Congressi "Federico II", (11:00 AM - 1:00 PM)

time	[id] title	presenter
11:00 AM	[127] Keynote: Monte Carlo for Nuclear Medicine: vision and future requirements	Prof. AMATO, Ernesto
11:23 AM	[98] Investigating Quasi-Monte Carlo (QMC) methods for Geant4/Gate simulations in medical physics	KAPRELIAN, Theo
11:35 AM	[81] Cherenkov Luminescence Imaging of 90Y and nanoparticles loaded glass microspheres	TALEBI, Asra Sadat
11:47 AM	[113] The MC simulation of WIDMApp: an innovative approach for individual dose monitoring in Molecular Radiotherapy	NICOLANTI, Francesca
11:59 AM	[110] Monte Carlo simulations for the in-beam PETITION PET scanner	MAKKAR, Shubhangi
12:11 PM	[109] Quantum entanglement effects in Geant4 for PET applications	Dr BORDES, Julien
12:23 PM	[106] Calculation of Absorbed Dose Coefficients for Internal Ex Vivo Irradiation of Lymphocytes Using GATE and Geant4-DNA	Dr SALAS RAMIREZ, Maikol
12:35 PM	[105] Optimizing the design of a Timepix4 based compact gamma camera with validated Geant4 Monte Carlo simulations	CERBONE, Laura Antonia