



Alberto Arzenton

Place of birth: Padova, Italy

Nationality: Italian

Languages: Italian, English, French (basic), Spanish New!

Hobbies: sports (fencing, football, tennis, skiing...),
travelling, languages

Other skills: organizer

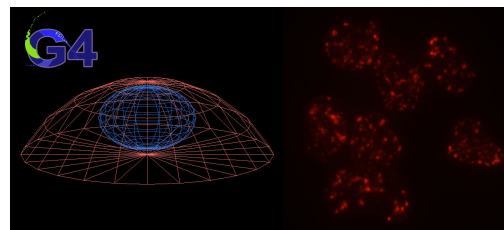
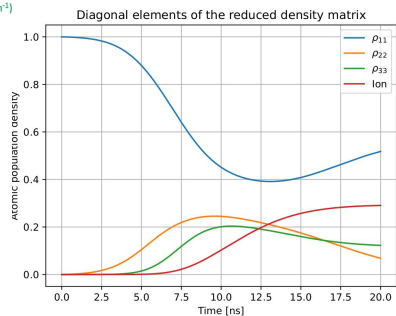
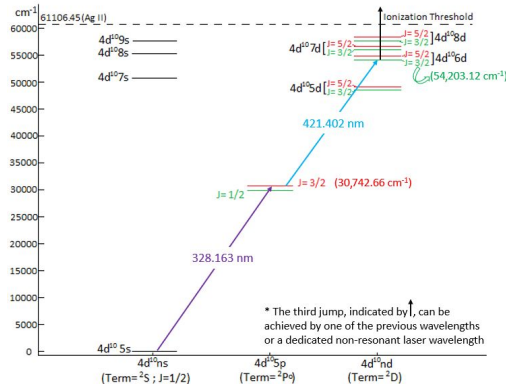
Education

I obtained both my BSc and MSc degrees in Physics at the University of Padova. Before that, I studied Medicine and Surgery for two years. In the MSc I attended the *Fundamental Interactions* curriculum, trying to focus mainly on nuclear, medical and biological physics.

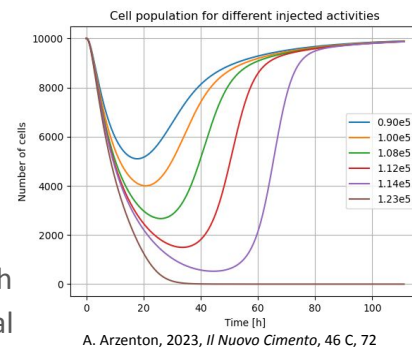
PhD Project Information

Supervised by Prof. Emilio Mariotti, I work at INFN-LNL in the SPES-ISOLPHARM project, whose aim is to produce innovative radiopharmaceuticals. My PhD project deals with the radionuclide ^{111}Ag mainly at two levels:

a) The selective laser photo-ionization in the framework of ISOL production, with the quantum density matrix approach.



b) The response of irradiated cells with Geant4 MC simulations, biophysical models and *in vitro* experiments.



A. Arzenton, 2023, *Il Nuovo Cimento*, 46 C, 72

Research abroad: CNEA (Buenos Aires, Oct-Nov '23)

I recently had the opportunity to work in contact with a group studying ^{177}Lu -labelled drugs from the dosimetric and radiobiological point of view at the Argentinian National Atomic Energy Commission.



Comisión Nacional de Energía Atómica