

09:00 Check-in & Welcome coffee

09:30 Smilei: Project review

Mickael Grech
Frederic Perez

Status and perspectives
Smilei's ecosystem



10:40 Coffee

11:00 Contributed talks

Hyeon Kim
Pierce Giffin
Jan Psikal
Vojtěch Horný

Numerical Simulation of High Harmonic Generation Using Liquid Flat-Jet Targets
Kinetic Simulations of Collisionless Shock Formation in the Dark Sector
Sophisticated studies of laser-driven ion acceleration with SMILEI code
Simulations on Particle and Radiation Sources at ELI NP

12:40 Lunch

+ Lab tour @ 13:20 (limited places)

14:00 Smilei: Project review

Arnaud Beck

Supercomputing landscape

14:40 Contributed talks

Arnaud Beth
Francisco Javier
Polanco Rodriguez

PIC simulation at boundaries of comets
PIC simulations of electromagnetic emissions by solar radio bursts: a study of polarization characteristics of radiated waves

15:30 Coffee

15:45 Contributed talks

Marianna Lytova
Kevin Ambrogioni
Yasmina Azamoum
Mufei Luo

Scattered field formalism in the particle-in-cell method for tightly focused ultrashort laser beams
Numerical Investigation of Laser-Driven Radiation Sources with Double-Layer Targets (DLTs) using Particle in-Cell (PIC) codes
Optical Probing of Ultrafast Laser-Induced Transitions from Solid to Overdense Plasma
Kinetic modelling of autoresonant beat-wave excitation of plasma waves