

Session Program

19-21 Mar 2025



5th Smilei user & training workshop

Contributed talks

ETSIAE (U. P. Madrid)
Madrid, Spain

Wednesday 19 March

10:40

Contributed talks: by Users

Session | Location: ETSIAE (U. P. Madrid), Madrid, Spain

10:40–11:05

Novel signatures of radiation reaction in electron-laser sidescattering

Speaker

Philipp Sikorski

11:10

11:35

Contributed talks: by Users

Session | Location: ETSIAE (U. P. Madrid), Madrid, Spain

11:35–12:00

Particle-In-Cell Simulations of Quantum Plasmas

Speaker

Hue Do

12:00–12:25

Simulations of wave generation by electron beams using cylindrical simulation frame

Speaker

Jérémy Dargent

12:25–12:50

Non-equilibrium formation and dynamics of fundamental plasma structures: importance of kinetic physics

Speaker

Young Dae Yoon

12:50

15:20

Contributed talks

Session | Location: ETSIAE (U. P. Madrid), Madrid, Spain

15:20–15:45

Quasi-monochromatic carbon ion beams with the “peeler” acceleration scheme

Speaker

Bogdan Corobean

15:45–16:10

Unforeseen advantage of looser focusing in vacuum laser acceleration

Speaker

Shikha Bhadoria

16:10

16:35

Contributed talks: by Users

Session | Location: ETSIAE (U. P. Madrid), Madrid, Spain

16:35–17:00

Effects of colliding laser pulses polarization on e-e+ cascade development in extreme focusing

Speaker

Martin Jirka

17:00–17:25

Modelling any kind of "smoothed" laser beams with Smilei

Speaker

Dr Arnaud Debayle

17:25–17:50

Modeling of a Liquid Leaf Target TNSA Experiment Using Particle-In-Cell Simulations and Deep Learning

Speaker

Benedikt Schmitz

18:00