

Programm der Sitzung

5.-10. Mai 2019



Laser-Plasma Accelerator Workshop 2019

Theory and computation

MedILS

Meštrovićevo šetalište 45 HR – 21000 Split Republic of Croatia

Mo., 6. Mai

17:15

Theory and computation

Sitzung | **Ort:** MedILS, Meeting Room

17:15–17:35 Uhr

DLA of electrons in plasma channels using extremely intense lasers

Sprecher

Dr. Marija Vranic

17:35–17:55 Uhr

Simulations of laser-driven ion acceleration using the quasi-cylindrical PIC code CALDER-CIRC and application to the PETAL facility

Sprecher

Xavier Davoine

17:55–18:15 Uhr

Simulations of long-term wakefield evolution in a radially bounded plasma

Sprecher

Konstantin Lotov

18:15

18:30

Theory and computation

Sitzung | **Ort:** MedILS, Meeting Room

18:30–18:50 Uhr

Efficient 3D envelope modelisation for two-stage laser wakefield acceleration experiments

Sprecher

Dr. Francesco Massimo

18:50–19:10 Uhr

A three-dimensional ponderomotive guiding center solver in Osiris

Sprecher

Anton Helm

19:10–19:30 Uhr

RaDiO-Radiation Diagnostic for Osiris: an efficient radiation processing tool for particle-in-cell simulations

Sprecher

Miguel Pardal

19:30

Do., 9. Mai

11:00

Theory and computation**Sitzung** | **Ort:** MedILS, Main Hall

11:00–11:15 Uhr

Quasistatic and PIC simulations of electron self-trapping by the wake of low power laser pulse**Sprecher**

Petr Tuev

11:15–11:30 Uhr

Multi-dimensional evolutions of transverse instability in the “light sail” ion acceleration**Sprecher**

Yang Wan

11:30–11:45 Uhr

Modeling hybrid plasma accelerator experiments with PIconGPU**Sprecher**

Herr Richard Pausch

11:45–12:00 Uhr

First fully kinetic full 3D AWAKE baseline scenario simulation**Sprecher**

Nils Moschuering

12:00