

Programm der Sitzung

5.-10. Mai 2019



Laser-Plasma Accelerator Workshop 2019

Laser-driven electron acceleration

MedILS

Meštrovićevo šetalište 45 HR - 21000 Split Republic of Croatia

Mo., 6. Mai

14:00

Laser-driven electron acceleration

Sitzung | **Ort:** MedILS, Meštrovićevo šetalište 45 HR – 21000 Split Republic of Croatia | **Vorsitzender:** Chandrashekhar Joshi

14:00–14:20 Uhr

Electron beam acceleration to 8 GeV with laser-assisted capillary discharge waveguides

Sprecher

kei nakamura

14:20–14:40 Uhr

Carrier-Envelope-Phase and Dispersion in Laser-Plasma Acceleration Driven by Single-Cycle Laser Pulses

Sprecher

Prof. Jerome Faure

14:40–14:55 Uhr

Controlling the Self-Injection Threshold in Laser Wakefield Accelerators

Sprecher

Dr. Stephan Kuschel

14:55–15:10 Uhr

Effects of Beam Loading in LWFAs

Sprecher

Johannes Götzfried

15:10–15:30 Uhr

Laser wakefield acceleration research at Center for Relativistic Laser Science

Sprecher

Dr. Hyung Taek Kim

15:30

16:00

Laser-driven electron acceleration: Recent progress in LWFA

Sitzung | **Ort:** MedILS, Main Hall | **Vorsitzender:** Dr. Olle Lundh

16:00–16:15 Uhr

CO₂-laser-driven laser-wakefield acceleration experiments at Brookhaven's Accelerator Test Facility

Sprecher

Rafal Zgadzaj

16:15–16:30 Uhr

Transport of a laser plasma accelerated electron beam on COXINEL

Sprecher

Driss Oumbarek Espinos

16:30–16:45 Uhr

Plasma eyepiece for petawatt laser wakefield accelerators

Sprecher

Dr. Ming Zeng

16:45-17:00 Uhr

A novel scheme in the plasma beam dump

Sprecher

Dr. Guoxing Xia

17:00

Di., 7. Mai

17:15

Laser-driven electron acceleration

Sitzung | **Ort:** MedILS, Main Hall | **Vorsitzender:** Victor Malka

17:15–17:35 Uhr **Laser -driven particle acceleration at high repetition rate**

Sprecher

Karl Krushelnick

17:35–17:55 Uhr **Status of CALA and overview about LMU's LWFA-related activities**

Sprecher

S. Karsch

17:55–18:15 Uhr

Energy absorption, photon-photon scattering and channelling with ultra-intense laser pulses

Sprecher

Prof. Peter Norreys

18:15

Mi., 8. Mai

16:00

Laser-driven electron acceleration

Sitzung | **Ort:** MedILS, Main Hall | **Vorsitzender:** Laszlo Veisz

16:00–16:15 Uhr **Superluminal laser plasma acceleration**

Sprecher

Herr Slava Smartsev

16:15–16:30 Uhr

Traveling-Wave Electron Acceleration - Energy-efficient Laser-plasma acceleration beyond the dephasing and depletion limits

Sprecher

Dr. Alexander Debus

16:30–16:45 Uhr

Electron beam dynamics in the laser-plasma accelerator

Sprecher

Nikolay Andreev

16:45–17:00 Uhr

LWFA in mismatched regime

Sprecher

Igor Kostyukov

17:00

17:15

Laser-driven electron acceleration

Sitzung | **Ort:** MedILS, Main Hall | **Vorsitzender:** Alec Thomas

17:15–17:30 Uhr

Few-cycle laser wakefield acceleration on solid targets with controlled plasma scale length

Sprecher

Neil Zaim

17:30–17:45 Uhr

Generation of super-ponderomotive electrons in interaction of relativistic laser pulses with long scale near critical plasmas.

Sprecher

Prof. Olga N Rosmej

17:45–18:00 Uhr

Generation of high energy electrons in moderately intense laser matter interaction with mass-limited targets

Sprecher

Frau Angana Mondal

18:00–18:15 Uhr

Multi Spectral Coherent Transition Radiation Imaging and Interferometry of Laser Wakefield Accelerated Electron Bunches

18:15

Sprecher

Prof. Michael Downer

Do., 9. Mai

12:00

Laser-driven electron acceleration

Sitzung | **Ort:** MedILS, Main Hall | **Vorsitzender:** Hyung Taek Kim

12:00–12:15 Uhr

Beam quality optimization in a beam loaded nanocoulomb-class laser wakefield accelerator

Sprecher

J. P. Couperus Cabadağ

12:15–12:30 Uhr

First demonstration of a hybrid laser-electron-beam driven plasma wakefield accelerator

Sprecher

T. Kurz

12:30–12:45 Uhr

Influence of proton bunch parameters on a proton-driven plasma wakefield acceleration experiment

Sprecher

Mariana Moreira

12:45–13:00 Uhr

Ballistic Injection and acceleration of positrons in bubble regime

Sprecher

Herr Zhiyi Xu

13:00–13:15 Uhr

An experimental study of transverse and longitudinal wakefields driven by a self-modulating proton bunch

Sprecher

Marlene Turner

13:15–13:30 Uhr

Stable positron acceleration in self-generated hollow channels

Sprecher

Thales Silva

13:30