

Programm der Sitzung

5.-10. Mai 2019



Laser-Plasma Accelerator Workshop 2019

Plenary session

MedILS
Meštrovićeva šetalište 45 HR – 21000 Split Republic of Croatia

Mo., 6. Mai

09:30

Plenary session

Sitzung | **Ort:** MedILS, Main Hall | **Vorsitzender:** Stefan Karsch

09:30-10:00 Uhr **High-Performance Modeling of Laser-Plasma Acceleration Physics**

Sprecher

Jean-Luc Vay

10:00-10:30 Uhr **Recent developments of the Betatron source at LOA**

Sprecher

Kim TA PHUOC

10:30

11:00

Plenary session

Sitzung | **Ort:** MedILS, Main Hall

11:00-11:30 Uhr **External injection acceleration with ~100% capture efficiency**

Sprecher

Prof. Jianfei Hua

11:30-12:00 Uhr **Hybrid acceleration: Studying PWFAs with LWFAs**

Sprecher

Max F. Gilljohann

12:00-12:30 Uhr **Proton Bunch Self-Modulation and Electron Acceleration in AWAKE**

Sprecher

Patric Muggli

12:30

Di., 7. Mai

09:00

Plenary session: Ions acceleration

Sitzung | Ort: MedILS, Main Hall | Vorsitzender: Karl Zeil

09:00-09:30 Uhr

Laser-driven ion acceleration: High-energy protons from ultrathin foils

Sprecher

Paul McKenna

09:30-10:00 Uhr

Megagauss magnetic fields in intense laser-solid interactions

Sprecher

Gourab Chatterjee

10:00-10:30 Uhr

Towards accelerator-quality beams of high energy protons guided by laser driven helical coils

Sprecher

Hamad Ahmed

10:30

11:00

Plenary session: Novel Concepts

Sitzung | Ort: MedILS, Main Hall | Vorsitzender: Karl Krushelnick

11:00-11:30 Uhr

Particle acceleration using laser-controlled relativistic plasma-mirrors

Sprecher

Philippe MARTIN

11:30-12:00 Uhr

Relativistic nanophotonics

Sprecher

Laszlo Veisz

12:00-12:30 Uhr

Flying Focus and its application to Laser-Plasma Accelerators

Sprecher

Jessica Shaw

12:30

Mi., 8. Mai

09:00

Plenary session

Sitzung | Ort: MedILS, Main Hall | Vorsitzender: Wei Lu

09:00-09:30 Uhr

New approaches to high energy physics with lasers for radiation-nuclear applications

Sprecher

Valery Bychenkov

09:30-10:00 Uhr

Recent studies on plasma channel based new laser wakefield staging scheme and radiation source at SJTU

Sprecher

Prof. Min Chen

10:00-10:30 Uhr

X-ray radiation sources based on laser-wakefield accelerators driven by structured pulses

Sprecher

Joana Luís Martins

10:30

11:00

Plenary session: X-ray sources

Sitzung | Ort: MedILS, Main Hall | Vorsitzender: Andreas Döpp

11:00-11:30 Uhr X-rays from Laser Wakefield Accelerators

Sprecher

Alec Thomas

11:30-12:00 Uhr

Inverse Compton X/γ Source Based on Laser-Wake Field Accelerator

Sprecher

Dr. Wenchao Yan

12:00-12:30 Uhr

Mastering the spectral properties of the COXINEL undulator radiation driven by a laser plasma accelerator

Sprecher

Eléonore Roussel

12:30

18:30

Plenary session

Sitzung | Ort: MedILS, Main Hall

18:30-19:30 Uhr

Plasma acceleration - what were we thinking in those early days and where are we headed?

Sprecher

Chandrashekhar Joshi

Do., 9. Mai

09:00

Plenary session

Sitzung | **Ort:** MedILS, Main Hall | **Vorsitzender:** Ulrich Schramm

09:00-09:30 Uhr **Diagnostics for plasma-based electron accelerators**

Sprecher

Mike Downer

09:30-10:00 Uhr

Controlling the dynamics of a laser-driven plasma wakefield accelerator.

Sprecher

Matthew Streeter

10:00-10:30 Uhr

Laser-driven proton beam profiles in ultra-high fields

Sprecher

Lieselotte Obst-Huebl

10:30

Fr., 10. Mai

09:00

Plenary session: Working Group Summaries and Dawson Talks I

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

10:30

11:00

Plenary session

Sitzung | Ort: MedILS, Main Hall

12:30