

Programm der Sitzung

5.-10. Mai 2019



Laser-Plasma Accelerator Workshop 2019

Diagnostics

MedILS

Meštrovićevo šetalište 45 HR - 21000 Split Republic of Croatia

Mo., 6. Mai

17:15

Diagnostics

Sitzung | **Ort:** MedILS, Main Hall | **Vorsitzender:** Alexander Sävert

17:15–17:30 Uhr

Transverse electron probing of interactions of long CO₂ laser pulse with plasma at ATF

Sprecher

Navid Vafaei-Najafabadi

17:30–17:45 Uhr

Impact of ultrafast laser generated Weibel magnetic fields on propagation dynamics of relativistic electron bunches

Sprecher

O. Kononenko

17:45–18:00 Uhr

Presence and future of X-ray scattering techniques for the understanding of ultra-short pulse laser matter interactions

Sprecher

Thomas Kluge

18:00–18:15 Uhr

Optical measurements of nanosecond-scale plasma channel evolution excited by beam-driven plasma wakes at FACET

Sprecher

Rafal Zgad Zaj

18:15

18:30

Diagnostics

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

18:30–18:45 Uhr

Determining impact of LWFA injection schemes on electron bunch profiles and peak currents based on broadband, spectral CTR diagnostics at single shot

Sprecher

Dr. Alexander Debus

18:45–19:00 Uhr

Few-cycle shadowgraphy of plasma wave trains

Sprecher

Hao Ding

19:00–19:15 Uhr

Excitation of beam driven plasma waves in a hybrid LPWFA

Sprecher

Susanne Schöbel

19:15–19:30 Uhr

Single-shot movies of evolving GeV laser-plasma accelerators by multiplexed Faraday rotation

19:30

Sprecher
Dr. Yenyu Chang

Mi., 8. Mai

14:30

Diagnostics

Sitzung | **Ort:** MedILS, Main Hall | **Vorsitzender:** Prof. Michael Downer

14:30–14:50 Uhr **Beam diagnostics for high brightness beams at FACET-II**

Sprecher

Douglas Storey

14:50–15:10 Uhr **Algorithmic ultrafast imaging**

Sprecher

Robin Wang

15:10–15:30 Uhr

Off-harmonic optical probe diagnostic for high intensity laser interaction with hydrogen targets

Sprecher

Dr. Karl Zeil

15:30