

Programm der Sitzung

5.-10. Mai 2019



Laser-Plasma Accelerator Workshop 2019

Secondary radiation generation & applications

MedILS

Meštrovićevo šetalište 45 HR - 21000 Split Republic of Croatia

Di., 7. Mai

14:00

Secondary radiation generation & applications

Sitzung | Ort: MedILS, Main Hall

14:00–14:20 Uhr **High Field QED Experiments with Lasers Progress and Challenges**

Sprecher

Matt Zepf

14:20–14:40 Uhr

The control of laser wakefield accelerated electron beams and betatron X-ray radiation using arrays of multiple gas jets

Sprecher

Herr Vidmantas Tomkus

14:40–15:00 Uhr

Creation of Electron-Positron Pairs in Photon-Photon Collisions Driven by 10-PW Laser Pulses

Sprecher

Dr. Jinqing Yu

15:00–15:20 Uhr

1 MeV Thomson backscatter x-ray source from a 250 MeV laser-plasma accelerator and plasma mirror

Sprecher

Dr. Yenyu Chang

15:20–15:40 Uhr

Gamma-ray radiation in beam-plasma interaction as a diagnostics for emittance growth in PWFA and for beam filamentation instabilities

Sprecher

Pablo San Miguel

15:40

Mi., 8. Mai

16:00

Secondary radiation generation & applications

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

16:00–16:20 Uhr

Towards an all-optical Thomson source for X-ray fluorescence imaging

Sprecher

Dr. Kristjan Poder

16:20–16:40 Uhr

Using laser plasma accelerator for simultaneous X-ray absorption and 2-photon Light Induced Fluorescence imaging of a car engine spray.

Sprecher

Dr. Diego Guenot

16:40–17:00 Uhr

Double Optical Gating of XUV pulses in Relativistic Laser-Plasma Interactions

Sprecher

Mark Yeung

17:00

17:15

Secondary radiation generation & applications

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

17:15–17:35 Uhr

Relativistic Laser Plasma Interactions at Short Wave Infrared Wavelengths

Sprecher

Prof. Franklin Dollar

17:35–17:55 Uhr

Generation of tunable relativistic, single-cycle infrared pulses from a tailored plasma structure

Sprecher

Prof. Chih-Hao Pai

17:55–18:15 Uhr

Terahertz Pulse Generation by Laser Plasma Wakefield Accelerator

Sprecher

Jérémy Déchard

18:15