

## **Programm der Sitzung**

**5.-10. Mai 2019**



## **Laser-Plasma Accelerator Workshop 2019**

### ***Laser-driven ion acceleration***

MedILS

Meštrovićevo šetalište 45 HR - 21000 Split Republic of Croatia

# Mo., 6. Mai

16:00

## Laser-driven ion acceleration

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

16:00–16:15 Uhr **Laser-proton acceleration from a cryogenic hydrogen jet**

**Sprecher**

M. Rehwald

16:15–16:30 Uhr

**Modification of proton spectra using optical shaping of over-dense gas jets**

**Sprecher**

George Hicks

16:30–16:45 Uhr

**Investigation on near-critical targets for enhanced laser-driven ion acceleration**

**Sprecher**

Herr Andrea Pazzaglia

16:45–17:00 Uhr

**Ion acceleration from ultra-thin foil targets with on-shot monitored temporal contrast**

**Sprecher**

Tim Ziegler

17:00

## Di., 7. Mai

16:00

### Laser-driven ion acceleration

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

16:00–16:15 Uhr

#### **Spatial and spectral filtering of laser-accelerated proton beams for radiobiology applications**

**Sprecher**

Herr Marco Cavallone

16:15–16:30 Uhr

#### **Probing the energy loss of TNSA ions in plasma with the LIGHT beam line**

**Sprecher**

Abel Blazevic

16:30–16:45 Uhr

#### **Recombination of Protons Accelerated by a High Intensity High Contrast Laser**

**Sprecher**

Sheroy Tata

16:45–17:00 Uhr

#### **Tunable Metallic Nanocrystal Generation using Laser-Driven Proton Irradiation**

**Sprecher**

Patrizio Antici

17:00

## Do., 9. Mai

12:00

### Laser-driven ion acceleration

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

12:00–12:15 Uhr

#### The role of nanoscale dimensionality in the ultrafast recovery of materials excited by picosecond bursts of laser-driven ions

**Sprecher**

Brendan Dromey

12:15–12:30 Uhr

#### Observing Dynamics of Electron Solvation in H<sub>2</sub>O During Ultrafast Pulsed-ion Radiolysis

**Sprecher**

Mark Coughlan

12:30

12:30

### Laser-driven ion acceleration

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

12:30–12:45 Uhr

#### Initial benchmark experimental results using high contrast high intensity CAEP-PW laser

**Sprecher**

Prof. Wei Hong

12:45–13:00 Uhr

#### Towards the 100-MeV proton mark at the PHELIX facility

**Sprecher**

Vincent Bagnoud

13:00–13:15 Uhr

#### Highly charged heavy ion acceleration from a high temperature solid heated by J-KAREN laser system

**Sprecher**

Mamiko Nishiuchi

13:15–13:30 Uhr

#### Laser-driven Ion Acceleration and Applications at the Extreme Light Infrastructure (ELI)

**Sprecher**

Dr. Daniele Margarone

13:30