

## **Session Program**

**Jun 2 - 7, 2013**

# **1st European Advanced Accelerator Concepts Workshop**

## ***WG2 - Ion beams from plasmas***

La Biodola, Isola d'Elba

[Hotel Hermitage](http://www.elba4star.it/HH/index-Eng.html)

## Tue, June 4

4:00 PM

### WG2 - Ion beams from plasmas

**Session** | **Location:** Hotel Hermitage, Bonaparte 1 | **Convener:** Prof. julien fuchs

4:00 – 4:25 PM

#### Radiation pressure assisted acceleration of ions using multi-component foils in high-intensity laser-matter interactions

**Speaker**

Dr Bastian Aurand

4:25 – 4:50 PM

#### Ion acceleration beyond 100MeV/amu in relativistic transparent laser-matter interactions

**Speaker**

Dr Daniel Jung

4:50 – 5:15 PM

#### Ion Acceleration and Neutron Production Based on Relativistic Transparency of Solids

**Speaker**

Prof. Markus Roth

5:40 PM

6:00 PM

### WG2 - Ion beams from plasmas

**Session** | **Location:** Hotel Hermitage, Bonaparte 1 | **Convener:** Prof. julien fuchs

6:00 – 6:25 PM

#### Laser ion acceleration with low density targets: a new path towards high intensity, high energy and high current ion beams

**Speaker**

Patrizio Antici

6:25 – 6:50 PM

#### Mapping of intense magnetic fields in relativistic laser plasma interaction

**Speaker**

Dr Alessandro Flacco

6:50 – 7:15 PM

#### Tunable Achromatic Focusing Optics for High-Current Laser-Accelerated Proton Beams

**Speaker**

Prof. julien fuchs

7:15 – 7:40 PM

#### Dose enhancement and localisation by combining reduced mass targets and a pulsed solenoid for radiobiological effectiveness studies of laser accelerated protons

**Speaker**

Mr Florian Kroll

7:40 PM

# Wed, June 5

4:00 PM

## WG2 - Ion beams from plasmas

Session | Location: Hotel Hermitage, Bonaparte 1 | Convener: Prof. Julien Fuchs

4:00 - 4:25 PM

### Experimental Studies of Ion Charge Equilibrium in the Warm Dense Matter Regime Using Laser-Based Plasma

**Speaker**

Dr Sophia Chen

4:25 - 4:50 PM

### Laser Induced Light Ion Acceleration at LNF

**Speaker**

Prof. Danilo Giulietti

4:50 - 5:15 PM

### LIGHT - from laser ion acceleration to future applications

**Speaker**

Mr Simon Busold

5:15 - 5:40 PM

### ELIMED: a Future Hadrontherapy Concept Based on the Laser-Driven Beams

**Speaker**

Dr Valentina Scuderi

5:40 PM