

Session Program

Sep 24 - 30, 2017



3rd European Advanced Accelerator Concepts Workshop

Wine and Poster Session 2 (WG4-WG5-WG6- WG7)

La Biodola, Isola d'Elba

[Hotel Hermitage](http://www.elba4star.it/en/)

Wed, September 27

7:30 PM

Wine and Poster Session 2 (WG4-WG5-WG6-WG7)

Poster Session | **Location:** Parking Area, Hotel Hermitage

Construction and characterization of a short-period undulator for a laser-plasma driven light source

Speaker

Maximilian Trunk

Plasma-based diagnostic for the SMI in AWAKE

Speaker

Ms Anna-Maria Bachmann

Spectroscopic characterisation of plasma targets with absolute calibration

Speaker

Mr Lars Goldberg

Laser-Assisted Discharge Ignition for Plasma Waveguides

Speaker

Ms Carola Wirth

Time resolved diagnostics in AWAKE

Speaker

Dr Mikhail Martyanov

LWFA: Electron Cyclotron Resonance Imaging

Speaker

Mr Matthew Schwab

Simulations of low-density plasma channels capable of high repetition rate operation

Speaker

Mr Christopher Arran

Energy Measurements by Means of Transition Radiation in novel LINACs

Speaker

Marco Marongiu

Results from a New Technique for Fast and Sensitive Measurement of Plasma Wakefields

Speaker

Mr Christopher Arran

Experimental design for generating low-density plasma channels by optical field ionization

Speaker

Mr Jakob Jonnerby

Seeded Self-Modulation along the Proton Bunch at AWAKE

Speaker

Mr Fabian Batsch

High Repetition Rate Laser Wakefield Acceleration

Speaker

Mr Niels Delbos

Plasma targets for the laser-plasma driven undulator x-ray source LUX

Speaker

Mr Philipp Messner

Conceptual design of electron beam diagnostics for high brightness plasma accelerator

Speaker

Alessandro Cianchi

FLASHForward P-9: An X-band transverse deflection cavity for femtosecond-scale longitudinal phase space diagnostics

Speaker

Dr Richard D'Arcy

LUX Electron Beam Optic

Speaker

Mr Paul Winkler

Tapering of plasma density ramp profiles for adiabatic lens experiments

Speaker

Francesco Filippi

Gas-filled capillary discharge for tens-centimetre long plasma channel

Speaker

Francesco Filippi

Cryogenic Undulator Development and First Observed Radiation on COXINEL

Speaker

Mr Amin Ghaith

On the spontaneous emission in quantum free-electron lasers

Speaker

Hesham FARES

Relativistic magnetic reconnection driven by a laser interacting with a micro-plasma-slab

Speaker

Yi Longqing

Betatron radiation emission from laser-wakefields driven by pulses with OAM

Speaker

Ms Joana Martins

EuPRAXIA@SPARC_LAB: the high-brightness RF photoinjector layout proposal

Speaker

Anna Giribono

Indirect imaging of optical near-fields in dielectric laser accelerators

Speaker

Mr Norbert Schönenberger

Laser pulses for Traveling-Wave Electron Acceleration and Thomson Scattering

Speaker

Dr Alexander Debus

On application of wobbling in experiments with cylindrical targets

Speaker

Dr Helen Barminova

Photon beamline for a soft x-ray FEL driven by high gradient acceleration at EuPRAXIA@SPARC_LAB

Speaker

Fabio Villa

Progress of the Development of the ELI-NP GBS High Level Applications

Speaker

Ms Giovanna Campogiani

Analytic model for electromagnetic fields in the bubble regime in non-uniform plasma

Speaker

Mr Anton Golovanov

BEAM QUALITY PRESERVATION IN A LASER-PLASMA ACCELERATOR WITH EXTERNAL INJECTION IN THE CONTEXT OF EuPRAXIA

Speaker

Dr Elena Svystun

Convergence of the ponderomotive guiding center approximation in the LWFA

Speaker

Dr Thales Silva

Modelling of laser-plasma acceleration of relativistic electrons in the frame of ESCULAP project

Speaker

Mr Viacheslav Kubytskyi

Numerical studies on capillary discharges as focusing elements for electron beams

Speaker

Emanuele Brentegani

Numerical study of the focusing and propagation of complex laser pulses in under-dense plasmas

Speaker

Dr Clément Caizergues

Particle-Driven Wakefield Dynamics in a Confined Plasma Channel

Speaker

Mr Thomas Heinemann

PyCAMFT code for the multi-component ion bunch dynamics simulation with parallel computing

Speaker

Dr Helen Barminova

Simulation of electron trapping with quasistatic code

Speaker

Mr Petr Tuev

Study of Transverse Instabilities in Proton Driven Hollow Plasma Wakefield Acceleration

Speaker

Ms Yangmei Li

The open source PIC code SMILEI

Speaker

Dr Arnaud Beck

LCODE 3D: a free quasistatic plasma wakefield acceleration code

Speaker

Alexander Sosedkin

A MW field-emission electron beam sources

Speaker

Mr Osama Mohsen

Characterization of Field-Emission from Silicon Nano Cathodes

Speaker

Mr Osama Mohsen

The ANGUS 200TW laser at the LUX plasma accelerator and its online diagnostics system at the laser repetition rate

Speaker

Mr Matthias Schnepp

Acceleration of a positron beam in a hollow channel plasma

Speaker

Spencer Gessner

A New Scheme for High-Intensity Laser-Driven Electron Acceleration in a Plasma

Speaker

Dr Saltanat Sadykova

8:30 PM