



# 3rd European Advanced Accelerator Concepts Workshop

## Monday 25 September 2017

### WG1 Parallel - SML, Sala Maria Luisa (16:00-17:30)

**-Conveners: Riccardo Pompili; Stefan Karsch; Erik Adli**

time	[id] title	presenter
16:00	[10] Experimental measurement of transverse wakefields in hollow plasma channels	Mr LINDSTRØM, Carl Andreas
16:18	[130] Fully optically controlled 90 degree Trojan Horse injection	Mr ULLMANN, Daniel
16:36	[102] Theoretical and experimental studies of plasma generation for beam-driven plasma wakefield accelerators	Mrs TAUSCHER, Gabriele
16:54	[8] Experimental investigation of high transformer ratio PWFA using photocathode laser based bunch shaping	LOISCH, Gregor
17:12	[313] Recent results at SPARC_LAB	Dr POMPILI, Riccardo

### WG1 Parallel - SML, Sala Maria Luisa (18:00-19:30)

**-Conveners: Riccardo Pompili; Stefan Karsch; Erik Adli**

time	[id] title	presenter
18:00	[76] FLASHForward X-1: High-brightness electron beams from a plasma cathode	Mr KNETSCH, Alexander
18:18	[204] Multi-GeV electron acceleration from self-guided laser wakefield accelerators with extended focussing geometry	Dr PODER, Kristjan
18:36	[18] Demonstration of a beam loaded nanocoulomb-class laser wakefield accelerator	Mr COUPERUS, Jurjen
18:54	[91] Demonstration of the Excitation and Control of Plasma Wakefields by Multiple Laser Pulses	Prof. HOOKER, Simon
19:12	[256] Timing measurement of laser-accelerated electron beams	Dr KANDO, Masaki

## Tuesday 26 September 2017

### **WG1 Parallel (16:00-17:30)**

**-Conveners: Riccardo Pompili; Stefan Karsch; Erik Adli**

time	[id] title	presenter
16:00	[146] Inverse Thomson Scattered x-rays from a Laser-Plasma Accelerator and Plasma Mirror	Ms HANNASCH, Andrea
16:18	[171] Enhanced Betatron Radiation from a Laser Wakefield Accelerator in a Long Focal Length Geometry	Dr WOOD, Jonathan
16:36	[68] High-brilliance betatron gamma-ray source powered by laser-accelerated electrons	Dr FERRI, Julien
16:54	[131] Traveling-Wave Electron Acceleration - Beyond the dephasing and depletion limits of laser-wakefield acceleration	Dr DEBUS, Alexander
17:12	[117] Laser wakefield electron acceleration with high power, few-cycle mid-IR lasers	Dr PAPP, Daniel

### **WG1 Parallel (18:00-19:30)**

**-Conveners: Stefan Karsch; Riccardo Pompili; Erik Adli**

time	[id] title	presenter
18:00	[160] High quality plasma wakefield acceleration experiment in linear regime at SPARC_LAB	ROMEIO, Stefano
18:18	[140] High brightness, plasma boosted beams for driving a Free Electron Laser	Dr ROSSI, Andrea Renato
18:36	[156] FLASHForward X-2: Beam quality preservation in a plasma booster	Dr LIBOV, Vladyslav
18:54	[163] Particle acceleration in twisted plasma waves with orbital angular momentum	Dr VIEIRA, Jorge
19:12	[236] On the impact of short laser pulses on cold low-density plasmas	Prof. FIORE, Gaetano

# Wednesday 27 September 2017

## **WG1 Parallel (16:00-17:30)**

**-Conveners: Riccardo Pompili; Stefan Karsch; Erik Adli**

time	[id] title	presenter
16:00	[4] Indirect Measurement of the Self-Modulation Instability in the AWAKE experiment at CERN	Mrs TURNER, Marlene
16:18	[174] First results of CTR measurement of modulated proton bunch in AWAKE	Dr MARTYANOV, Mikhail
16:36	[161] Heterodyne measurement of CTR from self-modulation instability (SMI) in AWAKE	Mr BRAUNMUELLER, Falk
16:54	[35] Status of the Electron source and transfer lines for the AWAKE Experiment at CERN	Dr PEPITONE, Kevin
17:12	[37] Studies of an ultra-short bunch injector for AWAKE RUN2	Mr WILLIAMSON, Barney Dr DOEBERT, Steffen

# Thursday 28 September 2017

## **WG1 Parallel (16:00-17:30)**

**-Conveners: Riccardo Pompili; Stefan Karsch; Erik Adli**

time	[id] title	presenter
16:00	[31] Controlled and combined injection schemes for laser wakefield accelerators	Dr DÖPP, Andreas
16:18	[62] Laser wakefield acceleration in a heterogeneous plasma	Mr SAVIO, Rozario
16:36	[103] The role of direct laser acceleration of electrons in a laser wakefield accelerator with ionization injection	Mr CANDEIAS LEMOS, Nuno
16:54	[65] Effects of the nitrogen concentration in direct laser acceleration of electrons in a laser wakefield accelerator	GALLARDO GONZALEZ, Isabel
17:12	[56] A tunable electron beam source using density down-ramp trapping	Mr EKERFELT, Henrik

## **WG1 Parallel (18:00-19:30)**

**-Conveners: Riccardo Pompili; Stefan Karsch; Erik Adli**

time	[id] title	presenter
18:00	[232] Two-Pulse Ionisation Injection with simultaneous space-time focused pulses	Dr HOLLOWAY, James
18:18	[33] Long-range attraction of an ultrarelativistic electron beam by a column of neutral plasma	Dr ADLI, Erik
18:36	[95] A laser-to-beam-driven plasma wakefield accelerator	Dr MARTINEZ DE LA OSSA, Alberto
18:54	[70] Research Towards Hybrid Accelerators	Mr GILLJOHANN, Max
19:12	[121] Emittance of the accelerated electron bunch in two-stage AWAKE scenario	Mr MINAKOV, Vladimir