



# 2nd European Advanced Accelerator Concepts Workshop

## Monday, September 14, 2015

### WG1 - Electron beams from plasmas - SML Sala Maria Luisa (4:00 PM - 5:30 PM)

-Conveners: Edda Gschwendtner; Victor Malka

time	[id] title	presenter
4:00 PM	[74] The AWAKE Facility at CERN	Dr GSCHWENDTNER, Edda
4:30 PM	[57] Using ionization injection to get high quality electron beam in laser wakefield acceleration	Dr CHEN, Min
4:50 PM	[71] Controlled, High-repetition rate Plasma Accelerators	Prof. HOOKER, Simon
5:10 PM	[90] Electron rephasing in a laser-plasma accelerator	Mr DÖPP, Andreas

### WG1 - Electron beams from plasmas - SML Sala Maria Luisa (6:00 PM - 7:30 PM)

-Conveners: Edda Gschwendtner; Victor Malka

time	[id] title	presenter
6:00 PM	[118] Wakefield-Induced Ionization Injection and Self-Similar Staging in Beam-driven Plasma Wakes.	Dr MARTINEZ DE LA OSSA, Alberto
6:30 PM	[46] The electron accelerator for the AWAKE experiment at CERN	Dr PEPITONE, Kevin Dr DOEBERT, Steffen
6:50 PM	[143] Transverse effects in plasma wakefield experiments at FACET	Dr ADLI, Erik
7:10 PM	[161] Hosing in Multi-Pulse Laser Wakefield Accelerators	Prof. WALCZAK, Roman

# Tuesday, September 15, 2015

## **WG1 - Electron beams from plasmas - SML Sala Maria Luisa (3:00 PM - 5:30 PM)**

**-Conveners: Edda Gschwendtner; Victor Malka**

time	[id] title	presenter
3:00 PM	[43] Beam-driven plasma acceleration of electrons and positrons at FACET	Prof. CORDE, Sébastien
3:30 PM	[44] Plasma Wakefield Acceleration at VELA/CLARA Facility	Dr XIA, Guoxing Mr HANAHOE, Kieran
3:50 PM	[101] First plasma acceleration experiments at PITZ	Dr GROSS, Matthias
4:10 PM	[184] Experiments to observe multi-pulse laser wakefield acceleration	Mr COWLEY, James
4:30 PM	[67] Beam dynamics in resonant plasma wakefield acceleration @SPARC_LAB	ROMEO, Stefano
4:50 PM	[212] Electrons Injection, Boost and Collimation in Laser Plasma Accelerators	Prof. MALKA, Victor
5:10 PM	[199] Influence of medium length in self-guided laser wakefield accelerators	Dr LUNDH, Olle

## **WG1 - Electron beams from plasmas - SML Sala Maria Luisa (6:00 PM - 6:30 PM)**

**-Conveners: Edda Gschwendtner; Victor Malka**

time	[id] title	presenter
6:00 PM	[61] Optimized matching strategy for laser driven plasma boosters	ROSSI, Andrea Renato

# Wednesday, September 16, 2015

## **WG1 - Electron beams from plasmas - SML Sala Maria Luisa (4:00 PM - 5:30 PM)**

-Conveners: Edda Gschwendtner; Victor Malka

time	[id] title	presenter
4:00 PM	[125] Controlled injection of electrons in a laser wakefield accelerator	Mr HANSSON, Martin
4:30 PM	[139] A "slinge shot" laser-driven acceleration mechanism of plasma electrons	FIORE, Gaetano
4:50 PM	[62] Generation of the collimated quasi-monochromatic beams of accelerated electrons in the interaction of an intense femtosecond laser pulse with an inhomogeneous plasma	Dr STEPANOV, Andrey
5:10 PM	[18] Attosecond electron sheets and attosecond light pulses from relativistic laser wakefields	Dr LI, Fei-Yu

## **WG1 - Electron beams from plasmas - SML Sala Maria Luisa (6:00 PM - 7:30 PM)**

-Conveners: Edda Gschwendtner; Victor Malka

time	[id] title	presenter
6:00 PM	[58] Laser Wakefield Acceleration with Multi-Color Pulse Stacks: Designer Electron Beams for Advanced Radiation Sources	Dr KALMYKOV, Serge
6:30 PM	[194] Multistage laser wakefield acceleration driven by two laser pulses with different focal lengths	Dr NAKANII, Nobuhiko
6:50 PM	[27] Electron acceleration behind self-modulating proton beam in plasma with a density gradient	PETRENKO, Alexey
7:10 PM	[169] Project towards CO <sub>2</sub> -laser-driven wake-field accelerator with external injection	Prof. LITVINENKO, Vladimir

# Thursday, September 17, 2015

## WG1 - Electron beams from plasmas - SML Sala Maria Luisa (4:00 PM - 5:30 PM)

-Conveners: Edda Gschwendtner; Victor Malka

time	[id] title	presenter
4:00 PM	[249] External injection of electron beams into laser excited wakefields	Dr STEINKE, Sven
4:30 PM	[6] Energetic Particles from Laser Produced Plasmas and Applications	Prof. GIULIETTI, Danilo
4:50 PM	[171] Controlled injection of plasma electrons into a laser-driven wakefield using a variable length gas target	KONONENKO, Olena
5:10 PM	[141] Transverse emittance of electron beams generated by ionization injection in laser-plasma accelerators	Dr SCHROEDER, Carl

## WG1 - Electron beams from plasmas - SML Sala Maria Luisa (6:00 PM - 7:30 PM)

-Conveners: Edda Gschwendtner; Victor Malka

time	[id] title	presenter
6:00 PM	[88] Effect of the laser wavefront in a high repetition rate laser-plasma accelerator	Mr BEAUREPAIRE, Benoit
6:30 PM	[180] Downramp-assisted underdense photocathode electron bunch generation in plasma wakefield accelerators	Mr KNETSCH, Alexander
6:50 PM	[148] Numerical investigation on the formation and stability of a hollow electron beam in the presence of a plasma wake field driven by an ultra-short electron bunch	Dr TANJIA, Fatema