



# 2nd European Advanced Accelerator Concepts Workshop

## Monday, September 14, 2015

### WG5 - High-gradient plasma structures/Advanced beam diagnostics - SBIO Sala Biodola (4:00 PM - 5:30 PM)

-Conveners: Enrica Chiadroni; Brigitte CROS

time	[id] title	presenter
4:00 PM	[203] Wakefield electron acceleration in guiding structures under real 3-D nonsymmetrical conditions	Prof. ANDREEV, Nikolay
4:20 PM	[160] Electron acceleration in deep plasma channels in the Bubble regime	Prof. PUKHOV, Alexander
4:40 PM	[103] Propagation of high-intensity femtosecond laser pulses through ablating metal waveguides	Prof. LOTOV, Konstantin
5:00 PM	[84] Continuous-Flow Plasma Target for LWFA: Concept Towards High Repetition Rates	Mr DELBOS, Niels
5:20 PM	Discussion	

### WG5 - High-gradient plasma structures/Advanced beam diagnostics - SBIO Sala Biodola (6:00 PM - 7:30 PM)

-Conveners: Enrica Chiadroni; Brigitte CROS

time	[id] title	presenter
6:00 PM	[95] Progress of self-modulation experiments with electron and positron beams in plasma wakefield experiments at FACET	Dr ADLI, Erik
6:20 PM	[154] Characterisation of Bright X-ray Beams by Powder Diffraction	Mr CHEUNG, Gavin
6:40 PM	[133] Experimental considerations on emittance growth in the Drive Beam recombination at CTF3.	GAMBA, Davide
7:00 PM	[200] Inverse Compton Scattering as a diagnostic of electron beams	Dr STREETER, Matthew
7:20 PM	Discussion	

## Tuesday, September 15, 2015

### **WG5 - High-gradient plasma structures/Advanced beam diagnostics - SBIO Sala Biodola (3:00 PM - 5:30 PM)**

-Conveners: Enrica Chiadroni; Brigitte CROS

time	[id] title	presenter
3:00 PM	[91] Laser-ionized plasma source for plasma wakefield accelerators	Dr OZ, Erdem
3:20 PM	[165] Influence of realistic plasma density profile on ionization-induced electron injection driven by laser wakefield	Mr AUDET, Thomas
3:40 PM	[205] Spectroscopic determination of electron density and species distribution	Dr SCHAPER, Lucas
4:00 PM	[41] Opto-acoustic measurements of the plasma density within a gas-filled capillary plasma source	Dr BIAGIONI, Angelo
4:30 PM	[195] Bunch Profile Reconstruction and Evolution of Laser-Wakefield accelerated Electron Bunches by Single-Shot Measurement of Coherent Transition Radiation	Mr HEIGOLDT, Matthias
4:50 PM	[114] Broadband (UV - mid-IR) spectrometer for single-shot femtosecond electron bunch measurement	Mr ZARINI, Omid
5:10 PM	[82] Longitudinal phase space diagnostic for ultrashort bunches	DORNMAIR, Irene

### **WG5 - High-gradient plasma structures/Advanced beam diagnostics - SBIO Sala Biodola (6:00 PM - 6:30 PM)**

-Conveners: Enrica Chiadroni; Brigitte CROS

time	[id] title	presenter
6:00 PM	[10] Synchronization of ebeam and laser beam in 'Trojan horse' plasma wakefield experiment	Mr XI, Yunfeng