



# 4th European Advanced Accelerator Concepts Workshop

## lunedì 16 settembre 2019

### Cheese and Wine Poster Session 1 - Parking Area (19:00 - 20:00)

time	[id] title	presenter
19:00	[19] Design studies of the electron injector and beam transport for external injection at AWAKE Run 2	DOEBERT, Steffen
19:00	[21] Collisional effects on solid density heavy ion laser-plasma targets	SUNDSTRÖM, Andréas
19:00	[22] High level software for beam phase space and trajectory characterization	MARTINELLI, Valentina
19:00	[23] Simulations of a wakefield dissipation in a radially bounded plasma	LOTOV, Konstantin
19:00	[28] REGAE Beamline Upgrade	ZEITLER, Benno
19:00	[29] Study of the Seeded Self-Modulation Growth in the AWAKE Experiment	BACHMANN, Anna-Maria
19:00	[38] Wakefield Excitation in a Metallic-Density Electron Plasma by X-ray Laser Pulses	BONDAR, Denys
19:00	[34] Installation and infrastructure for big PWA facilities: what we learnt from AWAKE Run 1 and challenges for AWAKE Run 2.	PARDONS, Ans
19:00	[36] High Charge Electron Beams Generated with a Hybrid Laser Plasma Accelerator Driven by Picosecond, Kilojoule class lasers	KING, Paul
19:00	[41] Optimal Wakefield Excitation in Plasma by Non-resonant Train of Relativistic Electron Bunches	BONDAR, Denys
19:00	[56] Beam quality optimization in a beam loaded nanocoulomb-class laser wakefield accelerator	KOEHLER, Alexander
19:00	[59] Development of the millimeter wavelength accelerating structure	ARSENTYEVA, Mariya
19:00	[61] THz-driven short period undulators	ROHRBACH, David
19:00	[47] Innovative Analytical calculation of the Group velocity in accelerating travelling wave structures.	BEHTOUËI, Mostafa
19:00	[48] Innovative Clamping and Braze-Free Accelerating Structure.	SPATARO, Bruno
19:00	[64] Comparison of OSIRIS/LCODE/QV3D simulations with the measurements of the proton beam in AWAKE experiment	LOTOV, Konstantin
19:00	[68] Self-Modulation and Micro-Bunching Phase Stability Studies in AWAKE	MUGGLI, Patric
19:00	[73] Laser frequency matching with Electron energy for Thomson source	RUIJTER, Marcel
19:00	[74] First Operational Experience and Magnetic Characterization of a Superconducting Transverse Gradient Undulator for the Compact Laser Wakefield Acceleration-Driven FELs	DAMMINSEK, Kantaphon
19:00	[82] Laser-driven electron storage rings	KHAN, Shaukat
19:00	[94] Experimental scaling of fast electron beams generated by high-intensity laser-solid matter interactions	GALLETTI, Mario
19:00	[113] Control of undulator radiation using a Laser Plasma Acceleration Source	GHAITH, Amin
19:00	[92] Zemax simulations for laser propagation in plasma waveguides	BISESTO, Fabrizio Giuseppe
19:00	[106] High Intensity Laser hybrid guiding for electron acceleration	KIM, Artem

19:00	[114] Simulation of a passive longitudinal phase space synthesizer concept based on 3D-printed dielectric-lined waveguides	MAYET, Frank
19:00	[115] Design and optimization of a 5 GeV beam-driven stage for EuPRAXIA	NIKNEJADI, Pardis
19:00	[102] A concept for an active plasma undulator	ROSSI, Andrea Renato
19:00	[117] Seeded Self Modulation of Transversely Asymmetric Long Proton bunches in Plasma	MUGGLI, Patric
19:00	[121] Transverse Beam Breakup Instability in Dielectric Laser Accelerators	EGENOLF, Thilo
19:00	[123] Diagnostics for an Electron Pulse Train Obtained by Modulation in a Laser-Driven Dielectric Structure at SwissFEL	HERMANN, Benedikt
19:00	[126] Particle Acceleration using Carbon Nanotube Arrays	YADAV, Gyanendra
19:00	[149] Study of external electron beam injection into proton driven plasma wakefields for AWAKE Run2	VERRA, Livio
19:00	[159] Numerical calculation of the Purcell-Smith radiation from dielectric laser acceleration (DLA) structures	SZCZEPKOWICZ, Andrzej
19:00	[135] Studies of Terahertz interactions with plasma for particle accelerators	PETRARCA, Massimo
19:00	[136] Novel spectrometer design for laser driven ion acceleration diagnostic	MORABITO, Antonia
19:00	[138] Experimental progress towards an all-optical Thomson source for X-ray fluorescence imaging	PODER, Kristjan
19:00	[140] Electromagnetic and Beam Dynamics Studies for High Gradient Accelerators at Terahertz Frequencies	MARONGIU, Marco
19:00	[142] Ionizing Laser Propagation at AWAKE	MOODY, Joshua
19:00	[152] A cryogenic undulator for a laser-plasma driven FEL experiment	TRUNK, Maximilian
19:00	[170] The SCAPA facility: Pioneering novel applications for next generation laser plasma accelerators	HOLT, George
19:00	[185] Three dimensional bunch shaping for plasma wakefield accelerators	LOISCH, Gregor
19:00	[156] Predicting the Trajectories of Relativistic Electron Beams for External Injection in Plasma Wakefield Acceleration	PEÑA ASMUS, Felipe
19:00	[173] Employing double-achromat bunch compressors for plasma-wakefield accelerator experiments	BJÖRKLUND SVENSSON, Jonas
19:00	[244] A photon beam line for the water window FEL at EuPRAXIA@SPARC_LAB	VILLA, Fabio
19:00	[160] Electron Beam Shaping for High Efficiency Acceleration at the AWA Facility.	POWER, John
19:00	[180] Parameter studies on dielectric gratings as electron accelerators	KUROPKA, Willi
19:00	[239] Near-surface electron acceleration by grazingly incident laser pulses	SEREBRYAKOV, Dmitry
19:00	[175] Simultaneous Space Time Focusing in Controlled Ionisation Injection	HOLLOWAY, James
19:00	[241] Investigating linear Breit-Wheeler pair production at Gemini	KETTLE, Brendan
19:00	[201] Novel method for transverse probing of low-density, hydrodynamic optical-field-ionised plasma channels	PICKSLEY, Alex
19:00	[229] The Effects of Tape-Based Plasma Mirrors on GeV Electron Beams, with a View to Staging Laser Wakefield Accelerators	WOOD, Jonathan
19:00	[277] Design Studies for Permanent Magnetic Quadrupole Triplet for Matching into Laser Driven Wake Field Acceleration Experiment with External Injection at SINBAD	YAMIN, Sumera

19:00	[282] Emittance Reduction by Density Tapering in Laser-Plasma Electron Acceleration	LEVINE, Eitan Y.
19:00	[287] Multi-objective Optimization of the Matching Beamline for External Injection into a Laser-driven Plasma Accelerator	PANOFSKI, Eva
19:00	[310] Spectral phase effects on laser-accelerated proton beams	CANTONO, Giada PERMOGOROV, Alexander SVENDSEN, Kristoffer
19:00	[335] Towards additive manufacturing of dielectric accelerating structures	KELLERMEIER, Max
19:00	[8] Coherent diffraction radiation of relativistic terahertz pulses from a laser-driven micro-plasma-waveguide	YI, Longqing
19:00	[9] Characterization of wavebreaking time and dissipation of weakly nonlinear wakefields due to ion motion	SPITSYN, Roman
19:00	[17] Betatron radiation diagnostic for AWAKE Run 2	WILLIAMSON, Barney