



# 4th European Advanced Accelerator Concepts Workshop

## Wednesday, 18 September 2019

### Cheese and Wine Poster Session 2 - Parking Area (19:00 - 20:00)

time	[id] title	presenter
19:00	[40] Transformer Ratio at Wakefield Excitation in Dielectric Resonator Electron-Positron Collider by Train of Electron Bunches with Linear Growth of Current	BONDAR, Denys
19:00	[49] Initial Design of a High-Power Ka-Band Klystron	BEHTOU EI, Mostafa FAILLACE, Luigi
19:00	[79] Status of the development of single shot emittance measurement at SPARC_LAB	CESARINI, Matteo
19:00	[26] Optimization of the Arc Compressor performance in the MariX Free Electron Laser	ROSSETTI CONTI, Marcello
19:00	[96] Injector design for the MariX-FEL project	FAILLACE, Luigi
19:00	[116] Status report on the dielectric laser acceleration experiments at the SINBAD/ARES linac	MAYET, Frank
19:00	[120] Seeding with an electron bunch the self-modulation of a long, relativistic particle bunch in a plasma	MUGGLI, Patric
19:00	[137] Coherent active THz phase modulation during Optical Rectification process for THz particle accelerators	PETRARCA, Massimo
19:00	[212] High-brightness electron beams from hybrid LWFA-PWFA staging	HEINEMANN, Thomas
19:00	[199] Guiding of high-intensity laser pulses through long, low-density hydrodynamic optical-field-ionised (HOFI) plasma channels	PICKSLEY, Alex
19:00	[209] Stability analysis of plasma photocathode produced ultrahigh brightness electron beams	HABIB, Fahim A.
19:00	[224] The AWAKE Run 2 Facility	GSCHWENDTNER, Edda
19:00	[154] Energetic protons due to effective target heating from a near-critical plasma sphere using an ultra-short intense laser	BHAGAWATI, Ankita
19:00	[189] Chromatic Effects on Plasma Channels Formed with an Axicon Lens	ROSS, Aimee
19:00	[192] Advances in plasma-based beam dump modelling	WILLIAMSON, Barney
19:00	[161] Corrugated Waveguide Based Wakefield Accelerator for an XFEL	POWER, John
19:00	[186] Experimental investigation of hosing instability mitigation	LOISCH, Gregor
19:00	[213] Characterization of optical properties of organic crystals required by high energy THz pulse generation for THz particle accelerators	DOLCI, Valerio
19:00	[221] Update on ALEGRO activities	ALEGRO, A.
19:00	[211] Terahertz Fringe Fields Effects on the Beam Dynamics of a THz-driven Gun	KELLERMEIER, Max
19:00	[217] Simulations study of compact and tunable active-plasma lens system for witness extraction and driver removal	DEL DOTTO, Alessio

19:00	[216] The dynamics and interplay of beam hosing and self-modulation in experimental conditions	MOREIRA, Mariana
19:00	[232] Mitigating a large energy spread in the laser plasma driven FEL using FEL beam conditioning	MUROKH, Alex
19:00	[242] Single-shot multi-keV X-ray absorption spectroscopy using an ultrashort laser wakefield accelerator source	KETTLE, Brendan
19:00	[243] Control of electron injection in laser wakefield acceleration with external magnetic fields	SHENG, Zhengming
19:00	[272] High repetition rate and coherent Free-Electron Laser in the X-rays range tailored for linear spectroscopy	OPROMOLLA, Michele
19:00	[279] Estimates of the radioisotope production from laser driven proton acceleration	BONVALET, Julien
19:00	[284] A compact UHV-compatible high-voltage supply for a small dielectric laser accelerator	KRAUS, Stefanie
19:00	[238] Resonant electron acceleration with laser-irradiated microstructured targets	SEREBRYAKOV, Dmitry
19:00	[286] Plasma Mirror Reflectivity Measurements on Gemini in a Staged Laser Plasma Wakefield Acceleration Set-Up	GRUSE, Jan-Niclas
19:00	[288] Towards single-shot spatio-temporal characterisation of a multi-PW laser	EBERLE, Christoph Marvin
19:00	[290] FEL-quality 5GeV e-bunches with the Resonant Multi Pulse Ionization injection scheme.	TOMASSINI, Paolo
19:00	[291] Progress of the L3IA ion beamline at ILIL-PW	GIZZI, Leonida Antonio
19:00	[297] Design of an experiment to measure the decay rate of laser-driven linear wakefields	JONNERBY, Jakob
19:00	[245] Optimization towards the demonstration of high-quality electron-beam generation from density downramp injection in a beam driven PWFA at FLASHForward	KNETSCH, Alexander
19:00	[260] Study of the plasma plume effects on the beam quality for plasma based accelerators	BIAGIONI, Angelo
19:00	[281] Plans for a Transverse Gradient Undulator Experiment at SINBAD-ARES	DORDA, Ulrich
19:00	[270] Plasma density profile measurements for ultra-short high power laser beam guiding experiments at SPARC_LAB	COSTA, Gemma
19:00	[294] Tunable laser plasma acceleration based on ionization injection	MESSNER, Philipp
19:00	[305] High transformer ratio resonant PWFA working point design for EuPRAXIA@SPARC_LAB	ROMEO, Stefano
19:00	[314] Conventionally accelerated and plasma-accelerated particles for studying destructive pigment darkening in artworks	ANTICI, Patrizio
19:00	[327] Transverse wakefield effects in dielectric slab symmetric structures	ANDONIAN, Gerard
19:00	[300] Electron Beam Matching Strategies for External Injection in LWFA for SINBAD-ARES	PANOFSKI, Eva
19:00	[309] Enhanced proton acceleration from ultra-thin foils with non-periodic nano-holes	CANTONO, Giada
19:00	[316] Feasibility study for a THz acceleration experiment on the PHIL facility at LAL	VINATIER, Thomas
19:00	[318] Alternating phase focusing in dielectric laser acceleration	ILLMER, Johannes

19:00	[302] Progress on the Commissioning of a Terahertz-Driven Velocity Bunching Experiment	FINLAY, Oliver
19:00	[303] Experimental results from a two-color laser wakefield accelerator and its application to positron beam generation	HAFZ, Nasr
19:00	[324] Quantitative reconstruction of wakefield electron density distribution	FOERSTER, Moritz
19:00	[308] Electron bunch length in laser-plasma acceleration.	GIULIETTI, Danilo
19:00	[331] Generation and characterization of attosecond micro-bunched electron pulse trains via dielectric laser acceleration	SCHÖNENBERGER, Norbert
19:00	[333] Recent results at SPARC_LAB	POMPILI, Riccardo
19:00	[350] Experimental study of the unmatched regime for laser-driven wakefield acceleration	SOLOVIEV, Alexander
19:00	[336] Plasma afterglow metrology at CLARA	NUTTER, Alastair James
19:00	[351] Characterisation of LWFA with realistic laser profiles for ESCULAP project	KUBYTSKYI, Viacheslav
19:00	[340] Nuclear activation of copper isotopes in a $\gamma$ -ray beamline based on Texas Petawatt Laser-Plasma Accelerated Electrons	HANNASCH, Andrea
19:00	[343] THz acceleration and phase space manipulation: ponderomotive interactive vs slow wave structure	MUSUMECI, Pietro
19:00	[347] Advanced Acceleration by Dielectric Based Structures, and Dielectric Materials for Accelerator Applications.	KANAREYKIN, Alexei
19:00	[349] New Tunable High Gradient Permanent Magnet Quadrupole for Plasma Wake Field Acceleration at SPARC_LAB	ALESINI, David
19:00	[352] Using existing laser facilities to probe quantum radiation reaction – optimal parameters and expected results	ARRAN, Christopher