6th European Advanced Accelerator Concepts workshop

Monday, 18 September 2023

Poster session - Aula Maria Luisa (19:00 - 20:30)

time	[id] title	presenter
19:00	[276] Beam Dynamics Simulation of a High Brightness, High Repetition Rate RF C-band Photoinjector for Future EuPRAXIA@SPARC_LAB Upgrade	SILVI, Gilles Jacopo
19:00	[180] Dielectric Assist Accelerating (DAA) structures for compact linear accelerators of low energy particles in hadrontherapy treatments.	MARTINEZ-REVIRIEGO, Pablo
19:00	[355] Beam Instrumentation for EuPRAXIA	ISCHEBECK, Rasmus
19:00	[269] FEL performance of the APPLE-X undulators for the EuPRAXIA@SPARC_LAB AQUA beamline	OPROMOLLA, Michele
19:00	[328] Wakefield regeneration in a plasma accelerator	FARMER, John
19:00	[348] A focused very high energy electron beam for fractionated stereotactic radiotherapy	LUNDH, Olle
19:00	[292] High Resolution Radiography for Inertial Confinement Fusion Fuel Capsule Target Metrology from Laser-Plasma Acceleration based X-ray Sources	PAGANO, Isabella
19:00	[316] Simulation study on the impact of a single plasma accelerator stage to existing free-electron lasers.	SCHROEDER, Sarah
19:00	[195] Proton Beam Self-Modulation Instability in a DC Discharge Plasma Source at AWAKE	AMOEDO, Carolina
19:00	[264] Generation of high-quality electron beams from trojan horse injection in a compact plasma accelerator powered by laser-accelerated electron beams	UFER, Patrick
19:00	[259] All-optical GeV electron bunch generation in a laser-plasma accelerator via truncated-channel injection	Ms ARCHER, Emily
19:00	[191] Towards spin-polarised electron beams from a laser-plasma accelerator	STEHR, Felix
19:00	[278] Measurement of the timing-jitter effects on a beam-driven plasma wakefield accelerator	DEMURTAS, Francesco
19:00	[287] Experimental parameters for plasma wakefield acceleration in a narrow plasma channel	LEE, Valentina
19:00	[357] On maximizing LWFA by tailoring the plasma density	FIORE, Gaetano
19:00	[299] Plasma density and ionisation degree evolution with long-term ion motion in a beam-driven plasma-wakefield accelerator	BEINORTAITE, Judita
19:00	[229] Integrated beam physics for the laser wakefield accelerator project EARLI	MARINI, Samuel
19:00	[277] Very High Energy Electrons with high charge and moderate energy spread from laser- wakefield acceleration	AVELLA, Federico
19:00	[238] Schemes of Electron Beam Loading in Blowout Regime in Plasma Wakefield Accelerators	SHENDRYK, Diana
19:00	[293] Double pulse generator for AWAKE scalable discharge plasma source	TORRADO, Nuno

Tuesday, 19 September 2023

Poster session - Aula Maria Luisa (19:00 - 20:30)

time	[id] title	presenter
19:00	[217] Reduced divergence of TNSA proton beams using a foil target and a gas jet	PARSONS, Peter
19:00	[245] Characterization of Liquid Micro-Droplets for Laser-Driven Proton Acceleration	NOLTE, Mathis
19:00	[198] Witness-driver beam dynamics optimization in the SPARC_LAB photoinjector	CARILLO, Martina
19:00	[373] External Electron Injection for the AWAKE Run 2b Experiment	VAN GILS, Nikita
19:00	[208] The E336 experiment at FACET-II: Wakefield acceleration and modulation of dense electron beams in nanostructures	GILLJOHANN, Max
19:00	[227] Instability and Efficiency in Beam-Driven Plasma Wakefield Accelerators	FINNERUD, Ole Gunnar
19:00	[306] Effect of driver charge on wakefield characteristics in a plasma accelerator probed by femtosecond shadowgraphy	SCHOEBEL, Susanne
19:00	[252] Laser Wakefield Accelerator Design for the Extreme Photonics Applications Centre (EPAC)	FINLAY, Oliver
19:00	[194] Status of the CLARA Facility at Daresbury Laboratory and exploitation for advanced acceleration research	SNEDDEN, Edward
19:00	[256] The Oxford Plasma Accelerator Laboratory	MCMAHON, David
19:00	[215] Transverse instability in HALHF plasma stages	Dr CHEN, Jian Bin Ben
19:00	[179] Electron yield numerical studies for the EuAPS betatron source	ROSSI, Andrea Renato
19:00	[183] Beam current from downramp injection in electron-driven nonlinear plasma wakefields	Dr GOLOVANOV, Anton
19:00	[308] Phase Control of Nonlinear Breit-Wheeler Pair Creation	BARBOSA, Bernardo
19:00	[236] Radioisotope production using a high-repetition-rate, laser-based proton source	BEMBIBRE FERNÁNDEZ, Adrián
19:00	[248] Superconducting undulator activities at the European XFEL	CASALBUONI, Sara
19:00	[381] LASY: an open-source Python library for easy interfacing of laser pulses between experiments and simulations	THEVENET, Maxence
19:00	[225] Bayesian optimization of the LUX laser-plasma accelerator	JALAS, Sören
19:00	[370] A tale of three beams: towards stable and reproducible operation of the AWAKE facility	ZEVI DELLA PORTA, Giovanni
19:00	[187] Machine Learning-based Data Analysis and Surrogate Modeling For COXINEL Experiment	WILLMANN, Anna
19:00	[288] Toward an automated tool for interferogram analysis for real time characterization of plasma density profile in laser produced plasmas	FILIPPI, Francesco
19:00	[350] BELLA iP2: The Short Focal Length Beamline for High Energy Density Research at High Repetition Rates at the BELLA PW	OBST-HUEBL, Lieselotte

Wednesday, 20 September 2023

Poster session - Aula Maria Luisa (19:00 - 20:30)

time	[id] title	presenter
19:00	[221] Radiation generation in high power laser applications	Dr BOHLEN, Simon
19:00	[210] Spatiotemporal beam-plasma instabilities in the ultrarelativistic regime	MANKOVSKA, Yuliia
19:00	[262] Noninvasive Cavity-Based Charge Diagnostic for Plasma Accelerators	Dr BOHLEN, Simon
19:00	[327] Research data management of laser-plasma science at HZDR	SCHLENVOIGT, Hans-Peter
19:00	[334] Surrogate model for laser-plasma injector development	KUBYTSKYI, Viacheslav
19:00	[241] Shadowgraphy of the plasma evolution around water micro-droplets irradiated by high-power laser pulses	BEYER, Martin
19:00	[250] Burst shot of the self-injection dynamics of a laser wakefield accelerator in bubble regime	ZHAO, Yu
19:00	[302] Internally self-consistent temperature diagnostic of hydrogen plasma from H-alpha and H-beta line spectra	JONES, Harry
19:00	[263] ON THE BETATRON RADIATION IN CYLINDRICALLY SYMMETRIC PLASMA-ION CHANNELS	FRANCESCONE, Daniele
19:00	[189] Laser-based plasma stabilization effect on a particle PWFA beam	VILLA, Fabio
19:00	[323] Parametric study of low-divergence X-rays from a laser-plasma-lens	GUSTAFSSON, Cornelia
19:00	[190] Average Current Enhancement of Laser-Plasma Accelerators	Mr MARTELLI, Lorenzo
19:00	[244] Towards the first electron acceleration with an industrial Yb:YAG laser	FARACE, Bonaventura
19:00	[274] Compact beamline for laser-plasma electron characterization	GUYOT, Coline
19:00	[177] Transport line design for laser wakefield accelerators	BATISTA, Laury
19:00	[279] Exploring Wavelength Dependence in Laser Plasma Accelerators	GUNN, Annabel
19:00	[172] Lattice Boltzmann Method applications: a characterization of thermal effects in plasma waves	PARISE, Gianmarco
19:00	[282] Fast laser field reconstruction method based on a Gerchberg-Saxton algorithm with modes decomposition	MOULANIER, Ioaquin
19:00	[193] A plasma-based acceleration method for heavier particles	BADIALI, Chiara
19:00	[268] Betatron radiation from accelerated electrons: an analytical study	FRAZZITTA, Andrea
19:00	[232] Stability of the Plasma-Modulated Plasma Accelerator (P-MoPA)	VAN DE WETERING, Johannes
19:00	[199] Undepleted Direct Laser Acceleration	POMERANTZ, Ishay
19:00	[169] The Plasma Injector for PETRA IV: Conceptual Design Report	MARTINEZ DE LA OSSA, Alberto THEVENET, Maxence
19:00	[297] Megahertz repetition rate discharge plasma cells for plasma-based particle accelerators	Dr LOISCH, Gregor