EuroNNAc Special Topics Workshop

Monday, 19 September 2022

Poster Session: Cheese and Wine - 1 - Sala Elena - Hotel Hermitage (19:15 - 20:15)

time	[id] title	presenter
19:15	[109] Laser-driven Ion Acceleration from pre-expanded thin foils.	Mrs SALAHELDIN, Israa
19:15	[62] Few-cycle probing of laser and electron driven plasma wakefield accelerator experiments	Mr HABERSTROH, Florian
19:15	[12] Monochromatic shadowgraphy and mid-infrared probing of LWFA	ZHAO, Yu
19:15	[130] GENERATION OF MULTI-PULSE LASER-WAKEFIELD DRIVERS VIA DELAY MASKS	MARASCIULLI, Andrea
19:15	[3] Acceleration of spin-polarized proton beams from a dual-laser pulse scheme	Mr REICHWEIN, Lars
19:15	[114] Experimental and theoretical characterization of very long plasma source for plasma-based particle accelerators	CRINCOLI, Lucio
19:15	[46] Resonant wakefield excitation observed in long plasma channels	ROSS, Aimee
19:15	[8] Gas cell target development for laser-plasma electron injector using OpenFOAM fluid dynamics solver and dedicated test bench	DROBNIAK, Pierre
19:15	[18] Precise intensity tagging for ultrashort high-power lasers	Ms HUANG, Xinhe
19:15	[77] Demonstration of Trojan horse injection in a hybrid LWFA-driven PWFA	UFER, Patrick
19:15	[111] Hosing of a long proton bunch induced by an electron bunch	NECHAEVA, Tatiana
19:15	[99] Phase manipulation through plasma density modulation	GUSTAFSSON, Cornelia
19:15	[54] Hybrid LWFA-PWFA: A stability and beam-quality booster for laser-generated electron beams	FOERSTER, Moritz
19:15	[120] Measuring spatial-temporal couplings using modal multi-spectral wavefront reconstruction	WEISSE, Nils
19:15	[93] Mechanisms to control laser-plasma coupling in laser wakefield electron acceleration	DICKSON, Lewis
19:15	[45] Simultaneous space-time focusing with radially-chirped laser pulses for ionization injection in LWFAs	ARCHER, Emily
19:15	[24] FLASH radiotherapy: from RF-based to laser plasma accelerators	GIULIANO, Lucia
19:15	[9] Laser Wakefield Acceleration to Energies in the GeV Regime	VON GRAFENSTEIN, Katinka
19:15	[25] Large energy depletion of a beam driver in a plasma-wakefield accelerator	Mr PEÑA, Felipe
19:15	[127] Effects of plasma ramp measured in AWAKE	PUCEK, Jan
19:15	[22] Effect of driver charge on wakefield characteristics in a plasma accelerator probed by femtosecond shadowgraphy	SCHOEBEL, Susanne
19:15	[102] Edge-Pumped Tm:Lu2O3 disk broadband laser amplifier design at 1 kHz	CELLAMARE, Gianluca

Tuesday, 20 September 2022

Poster Session: Cheese and Wine - 2 - Sala Elena - Hotel Hermitage (19:20 - 20:20)

time	[id] title	presenter
19:20	[23] Alternating phase focusing and approaching large net energy gain in photonic chip-based particle acceleration	Ms KRAUS, Stefanie
19:20	[43] ARIA, a VUV beamline for EuPRAXIA@SPARC_LAB	Dr OPROMOLLA, Michele
19:20	[21] Numerical simulation study of the propagation of a short electron bunch and a long proton bunch in a plasma ramp	MORALES GUZMAN, Pablo Israel
19:20	[19] Hot Electron Jets from a Relativistic Laser Interaction with Wavelength-Scale Rods	Ms ELKIND, Michal
19:20	[32] 6-D Phase Space Optimization of DLA, Preserving MeV Energy Gain	YADAV, Gyanendra
19:20	[60] A plasma-based acceleration method suitable for non-relativistic muons	BADIALI, Chiara
19:20	[7] WAKEFIELD CALCULATION AND HIGH ORDER MODES ANALYSIS USING HOMEN MODEL IN ENERGY RECOVERY LINAC	SAMSAM, Sanae
19:20	[34] Bayesian Optimization of Laser-Plasma Accelerators	JALAS, Sören
19:20	[112] A novel analytical model of space charge forces in RF-guns	CARILLO, Martina
19:20	[132] 3D-Printed THz Radiator for Pump-probe Experiments	DADASHI MOTLAGH, Raziyeh
19:20	[98] Computational fluid dynamics simulations of discharge capillary waveguides at FLASHForward for high-repetition-rate plasma-wakefield accleration	KANEKAR, Advait Laxmidas
19:20	[13] QED Effects at Grazing Incidence on Solid-State-Targets	Mr FILIPOVIC, Marko
19:20	[100] Modelling of laser distribution as input for simulations of Laser wakefield acceleration	MOULANIER, Ioaquin
19:20	[59] Lattice Boltzmann simulations of Plasma Wakefield Acceleration	Mr PARISE, Gianmarco
19:20	[116] HiPACE++: GPU-accelerated modeling of plasma wakefield accelerators	DIEDERICHS, Severin
19:20	[108] Beam dynamics studies with comb electron beams for Particle driven WakeField Acceleration.	SILVI, Gilles Jacopo
19:20	[40] Plasma Wakefield Acceleration: a parametric model for fast beam dynamics integration.	FRAZZITTA, Andrea
19:20	[49] Early dynamics of the self-modulation instability growth rate	MOREIRA, Mariana
19:20	[123] A semi-analytical method to calculate wakefield from electron beams passing through dielectric-coated circular waveguides	Mr FRANCESCONE, Daniele
19:20	[106] Fast models for collective effects in linear accelerators	BOSCO, Fabio CAMACHO, Obed
19:20	[161] Phase shaping of the free-electrons wavefunction with fs-laser pulses in an RF-cavity-based UTEM	BORRELLI, Simona

Wednesday, 21 September 2022

<u>Poster Session: Cheese and Wine - 3</u> - Sala Elena - Hotel Hermitage (19:15 - 20:15)

time	[id] title	presenter
19:15	[33] Surrogate modelling of laser-plasma acceleration	Mr KIRCHEN, Manuel
19:15	[101] Demonstration of divergence reduction of laser driven wakefield accelerated electron beams using a compact plasma lens generator	CHANG, Yen-Yu
19:15	[10] Galilean PIC code: towards real-time wake field simulations	PUKHOV, Alexander
19:15	[36] Radiation safety for high power laser applications	BOHLEN, Simon
19:15	[16] Energy Compression and Stabilization of Laser-Plasma Accelerators	FERRAN POUSA, Angel
19:15	[61] Paving the way for CW kHz operation of a discharge capillary in the DESY ADVANCE lab	JONES, Harry
19:15	[110] Probing Ion-motion Recovery in a Beam-driven Plasma-wakefield Accelerator	BEINORTAITE, Judita
19:15	[55] openPMD – F.A.I.R. and open scientific I/O at the Exascale Era	POESCHEL, Franz
19:15	[17] Multitask optimization of laser-plasma accelerators using simulation codes with different fidelities	FERRAN POUSA, Angel
19:15	[126] Steady-state microbunching in storage rings with distributed laser-electron interaction	KHAN, Shaukat
19:15	[56] Investigating novel hybrid LPWFA accelerators using start-to-end PIConGPU simulations	PAUSCH, Richard
19:15	[131] Traveling-wave electron accelerators – leveraging exascale computing towards scalable laser-plasma accelerators	Dr DEBUS, Alexander
19:15	[133] Time-resolved studies of beam-loading variations at FLASHForward.	Dr GONZALEZ CAMINAL, Pau
19:15	[64] Plasma-Modulated Plasma Accelerator (P-MoPA)	KRÜGER, Mathias
19:15	[145] Ion acceleration by laser-matter interaction: status and perspective with the upcoming I-LUCE facility at INFN-LNS	Dr CIRRONE, Giuseppe