

20th Advanced Accelerator Concepts Workshop

Tuesday 08 November 2022

Poster Session and Reception: Student and Contributed Posters - Salons F, G, H and Foyer (17:00-19:30)

-Conveners: Navid Vafaei-Najafabadi

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[241] Characterization of the fields inside the CO ₂ -laser-driven wakefield accelerators using relativistic electron beams	PETRUSHINA, Irina	F66
[276] Laser Pulse Compression for Applications in Compact Wakefield Accelerators	DING, Hao	F67
[162] Porting the particle-in-cell code OSIRIS to GPU-accelerated architectures	PIERCE, Jacob	F68
[184] Symplectic surrogate models for beam dynamics in conventional and advanced accelerators	Dr TANG, Qi	F69
[258] Recent Developments on QuickPIC	SU, Qianqian	F70
[264] QPAD: Highly efficient quasi-static particle-in-cell algorithm based on azimuthal decomposition	DALICHAOUCH, Thamine	F71
[46] Distributed Coupling Linac for Efficient Acceleration of High Charge Bunches	OTHMAN, Mohamed	F72
[75] Investigation of Terahertz Near-Fields Towards Efficient Particle Acceleration	OTHMAN, Mohamed	F73
[181] HIGH GRADIENT TESTING RESULTS OF THE C-BAND BENCHMARK $a/\lambda=0.105$ CAVITIES AT LANL	ZUBORAJ, Muhammed	F74
[236] Prototyping of distributed coupling accelerators at mm-wave frequencies	OTHMAN, Mohamed	F77
[59] Self-Modulation Instability of a Wide and Long Relativistic Proton Bunch in Plasma	VERRA, Livio	F78
[122] Beam stability and reproducibility of a plasma-wakefield accelerator	SCHRÖDER, Sarah	F79
[178] Optimized setup for a laser-induced Plasma Photocathode	Dr STUMPF, Michael	F80
[244] Measurements of the amplitude of plasma wakefields using plasma light	MUGGLI, Patric	F81
[260] Generation and optimization of high quality multi-GeV electron beams using an evolving electron driver in the nonlinear blowout regime	DALICHAOUCH, Thamine	F82
[72] Initial Results from a Laser-Heated Thermionic Cathode	ANDREWS, Heather	F83
[34] Simulation of optimized TNSA via temporal pulse shaping under realistic laser contrast conditions	GARTEN, Marco	F84
[232] Time Resolved Measurements of the Polarization State of Supercontinuum Generated in a Monatomic Gas	RAILING, Lucas	F86
[61] Towards a Pre-Pulse Cleaning Method In Ultrafast, High Peak Power Fiber Laser Systems	FENG, David	F87
[68] EEHG seeding scheme at the Athos branch of SwissFEL	JURANIC, Pavle	F88
[204] Environmental Conditions Effect on Optical Components Performance and Cleaning Techniques	Dr VLADUTESCU, Viviana	F89

[218] Training capability of the Brookhaven National Laboratory Accelerator Test Facility	FEDURIN, Mikhail	F90
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