

3rd European Advanced Accelerator Concepts Workshop

Tuesday, September 26, 2017

WG6 Parallel (4:00 PM - 5:30 PM)

-Conveners: Arnaud Beck; Alberto Marocchino

time	[id] title	presenter
4:00 P	M 150 years of Maxwell's (other) equations and application to plasma wakefield acceleration	Dr MEHRLING, Timon
4:20 P	M 01] Saturation of the beam-hosing instability in quasi-linear plasma-wakefield accelerators	Dr LEHE, Remi
4:40 P	M 132] Development of a non-numerical model for emittance calculation in external injection scenarios	Mr ASCHIKHIN, Alexander

WG6 Parallel (6:00 PM - 7:30 PM)

-Conveners: Arnaud Beck; Alberto Marocchino

time	[id] title	presenter
6:00 P	M 118] Design of high brightness Plasma Wakefield Acceleration experiment at SPARC LAB test facility with the 3D particle-in-cell ALaDyn	MAROCCHINO, Alberto
6:20 P	M 07] Characterization of beam driven ionization injection in the blowout regime of Plasma Acceleration	MIRA, Francesco
6:40 P	M 23] Optimization of laser-wakefield acceleration using ionisation-induced injection	Mr LEE, Patrick
7:00 P	M 21] Optically controlled laser-plasma electron accelerators for compact gamma-ray sources	Dr KALMYKOV, Serge
7:15 P	M 20] TNSA proton maximum energy laws for 2D and 3D PIC simulations	SINIGARDI, Stefano

Wednesday, September 27, 2017

WG6 Parallel (4:00 PM - 5:30 PM)

-Conveners: **Arnaud Beck; Alberto Marocchino**

time	[id] title	presenter
4:00 P	M 12] Radial Equilibrium of ultrarelativistic particle beams in plasma wakefield accelerators	Prof. LOTOV, Konstantin
4:20 P	M 26] Intrinsic elimination of the numerical Cherenkov instability in Lorentz-boosted frame simulations of plasma accelerators	KIRCHEN, Manuel
4:40 P	M 68] Symplectic Particle-in-Mode Algorithms for Modeling Plasma Accelerators	WEBB, Stephen
5:00 P	M 0] Modeling Multiple Coherent and Incoherent Photon Scattering in Solid-Density Plasmas with Particle-In-Cell Simulations	Mr GARTEN, Marco
5:15 P	M 8] Generation of Controllable Plasma Wakefield Noise in Particle-in-Cell Simulations	Mr SPITSYN, Roman

WG6 Parallel (6:00 PM - 7:30 PM)

-Conveners: **Arnaud Beck; Alberto Marocchino**

time	[id] title	presenter
6:00 P	M 94] Warp-X: a new exascale computing platform for Beam-Plasma Simulations	VAY, Jean-Luc
6:25 P	M 99] Accurate modeling of plasma accelerators with arbitrary order pseudo-spectral solvers	Mr JALAS, Soeren
6:50 P	M 93] Next-Generation Simulations for XFEL-Plasma Interactions with Solid Density Targets with PIConGPU - Solutions for Predictive 3D Modeling	Mr HUEBL, Axel
7:10 P	M 2] Shedding light on LWFA plasma dynamics - in-situ radiation diagnostics in PIConGPU	Mr PAUSCH, Richard