

2nd European Advanced Accelerator Concepts Workshop

Wednesday, September 16, 2015

WG6 - Theory and simulations - SB2 Sala Bonaparte 2 (4:00 PM - 5:30 PM)

-Conveners: Jean-Luc Vay; Konstantin Lotov

time	[id] title	presenter
4:00 PM	[14] hybrid-code and PIC-code simulations for PWFA at SPARC_LAB	MAROCCHINO, Alberto
4:20 PM	[37] Architect: a 2D hybrid kinetic-fluid code for Plasma Wake Field Acceleration	Mr MASSIMO, Francesco
4:40 PM	[72] SMILEI, an open source PIC code with focus on load balancing issues	Dr BECK, Arnaud
5:00 PM	[149] High-performance modeling of plasma-based acceleration using the full PIC method	VAY, Jean-Luc
5:20 PM	Discussion	

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time	[id] title	presenter
6:00 PM	[21] Beam loading and betatron radiation from a bubble in a deep plasma channel	GOLOVANOVA, Anton
6:20 PM	[31] Self modulated dynamics of a relativistic charged particle beam in plasma wake field excitation	Mrs AKHTER, Tahmina
6:40 PM	[73] Self-modulation of long particle beams in plasma wakefield accelerators	Prof. LOTOV, Konstantin
7:00 PM	Discussion	

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time	[id] title	presenter
4:00 PM	[3] Phase space moment equation model of highly relativistic electron beams in plasma wakefield accelerators	Prof. ROBSON, Robert
4:20 PM	[56] The concept of coupling impedance in the plasma wake field excitation as a new tool for describing the self-consistent interaction between the driving beam with the surrounding plasma	Prof. FEDELE, Renato
4:40 PM	[213] Quantum dynamics of relativistic charged particles interacting with a laser-induced plasmon wave	Prof. VARRO, Sandor
5:00 PM	Discussion	

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time	[id] title	presenter
6:00 PM	[217] The Dynamics of Electron Bunches at Enhancement of Laser Plasma Wakefield Acceleration by Beam Plasma Wakefield Acceleration	Ms SVYSTUN, Olena
6:20 PM	[36] Laser-plasma acceleration: A close view on self-injection mechanisms	PALLA, Daniele
6:40 PM	[108] Simulation of Errors in Multi-Pulse Laser Wakefield Acceleration	Mr ARRAN, Christopher
7:00 PM	[248] Hot electron currents in ultra-intense laser-solid interactions	KLUGE, Thomas
7:20 PM	Discussion	