2nd European Advanced Accelerator Concepts Workshop

Wednesday, 16 September 2015

WG6 - Theory and simulations - SB2 Sala Bonaparte 2 (16:00 - 17:30)

-Conveners: Jean-Luc Vay; Konstantin Lotov

time	[id] title	presenter
16:00	[14] hybrid-code and PIC-code simulations for PWFA at SPARC_LAB	MAROCCHINO, Alberto
16:20	[37] Architect: a 2D hybrid kinetic-fluid code for Plasma Wake Field Acceleration	Mr MASSIMO, Francesco
16:40	[72] SMILEI, an open source PIC code with focus on load balancing issues	Dr BECK, Arnaud
17:00	[149] High-performance modeling of plasma-based acceleration using the full PIC method	VAY, Jean-Luc
17:20	Discussion	

WG6 - Theory and simulations - SB2 Sala Bonaparte 2 (18:00 - 19:30)

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time	[id] title	presenter
18:00	[21] Beam loading and betatron radiation from a bubble in a deep plasma channel	GOLOVANOV, Anton
18:20	[31] Self modulated dynamics of a relativistic charged particle beam in plasma wake field excitation	Mrs AKHTER, Tahmina
18:40	[73] Self-modulation of long particle beams in plasma wakefield accelerators	Prof. LOTOV, Konstantin
19:00	Discussion	

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16:00	[3] Phase space moment equation model of highly relativisitic electron beams in plasma wakefield accelerators	Prof. ROBSON, Robert
16:20	[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
16:40	[213] Quantum dynamics of relativistic charged particles interacting with a laser-induced plasmon wave	Prof. VARRO, Sandor
17:00	Discussion	

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18:00	[217] The Dynamics of Electron Bunches at Enhancement of Laser Plasma Wakefield Acceleration by Beam Plasma Wakefield Acceleration	Ms SVYSTUN, Olena
18:20	[36] Laser-plasma acceleration: A close view on self-injection mechanisms	PALLA, Daniele
18:40	[108] Simulation of Errors in Multi-Pulse Laser Wakefield Acceleration	Mr ARRAN, Christopher
19:00	[248] Hot electron currents in ultra-intense laser-solid interactions	KLUGE, Thomas
19:20	Discussion	