

4th European Advanced Accelerator Concepts Workshop

Monday, 16 September 2019

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

time	[id] title	presenter
16:00	[147] Scalable particle-in-cell simulations on many-core hardware with the free and open source code PIconGPU	STEINIGER, Klaus
16:20	[166] Modeling the L PWFA hybrid accelerator using PIconGPU	STEINIGER, Klaus DEBUS, Alexander
16:40	[55] A spectral, quasi-3D, multi-GPU Particle-In-Cell code for plasma accelerators	KIRCHEN, Manuel
17:00	[50] Stability analysis of Laser-Plasma accelerators using quasi-cylindrical PIC simulations	JALAS, Soeren

WG6 - Sala Bonaparte 2 (SB2) (18:00 - 19:00)

time	[id] title	presenter
18:00	[10] Recent orientations in the Smilei particle-in-cell simulation software	BECK, Arnaud
18:20	[20] Efficient modelling of Laser WakeField Acceleration with realistic laser profile using azimuthal cylindrical geometry	ZEMZEMI, Imen
18:40	[24] Efficient 3D envelope modelisation for two-stage laser wakefield acceleration experiments	MASSIMO, Francesco

Tuesday, 17 September 2019

WG6 - SBIO (16:00 - 17:30)

time	[id] title	presenter
16:00	[259] Toward the modeling of chains of plasma accelerator stages with WarpX	VAY, Jean-Luc
16:20	[325] Progress on the Vorpil exascale transition	COWAN, Benjamin
16:40	[169] Updates on QuickPIC Open Source	AN, Weiming
17:00	[6] Force exerted on particle bunch propagating near plasma-vacuum boundary	LOTOV, Konstantin

WG6 - SBIO (18:00 - 19:00)

time	[id] title	presenter
18:00	[125] Modeling of capillary discharge plasmas for wakefield acceleration and beam transport	COOK, Nathan
18:20	[69] Modeling and simulation of transverse wakefields in PWFA	CHEN, Jian Bin Ben
18:40	[295] Collisionless shock acceleration in near-critical and underdense plasmas	BOELLA, Elisabetta

Thursday, 19 September 2019

WG6 - SE (18:20 - 19:30)

time	[id] title	presenter
18:20	[18] Cerenkov-free RIP Maxwell solver: dispersionless along X	PUKHOV, Alexander
18:40	[298] Single-cycle THz signal accompanying laser wake in photo-ionized plasmas and plasma channels	KALMYKOV, Serge