

EPS 2019

Monday, 8 July 2019

BPIF - Aula U6-06, Building U6 (16:30 - 18:30)

-Conveners: K. Lancaster

time	[id] title	presenter
16:30	[2884] I1.201 Relativistic nanophotonics: creating extreme plasma conditions from nanostructures with ultrafast lasers	ROCCA, J.J.
17:00	[2885] I1.202 Advanced laser-driven ion sources and their applications in materials and nuclear science	PASSONI, M.
17:30	[2886] I1.203 Magnetized high energy-density physics	SANTOS, J.J.
18:00	[2887] I1.204 Multi-PW laser driven electron acceleration and applications	KIM, H.T.

Tuesday, 9 July 2019

BPIE - Aula U6-06, Building U6 (16:30 - 18:30)

-Conveners: L. Willingale

time	[id] title	presenter
16:30	[2904] I2.201 Correlated emission of electrons and XUV harmonics via relativistic surface plasmons	CANTONO, G.
17:00	[2905] I2.202 Hard X-ray sources using a picosecond laser driven plasma accelerator	LEMOS, N.
17:30	[2975] O2.201 Efficient generation of atto-pulses and positrons at the interaction of ultra-intense laser radiation with the shaped targets	ANDREEV, A.
17:45	[2976] O2.202 Powerful electromagnetic emission from a plasma with counterstreaming different-size electron beams	ANNENKOV, V.
18:00	[2977] O2.203 High resolution imaging of transition radiation emitted from resonantly accelerated electrons from relativistic laser matter interaction	KUMAR, D.

Wednesday, 10 July 2019

BPIF - Aula U6-06, Building U6 (10:40 - 12:55)

-Conveners: S. Atzeni

time	[id] title	presenter
10:40	[2923] I3.201 Review of hydrodynamic instability experiments in ICF implosions on National Ignition Facility	SMALYUK, V.
11:10	[2924] I3.202 Experimental investigation of the collective Brillouin and Raman scattering of multiple laser beams in ICF experiments	DEPIERREUX, S.
11:40	[2990] O3.201 Experiments and simulations up to ignition scales on the laser direct drive shock ignition approach to laser fusion	GLIZE, K.
11:55	[2991] O3.202 Octahedral spherical hohlraum for Rev. 6 NIF Beryllium capsule	REN, G.
12:10	[2992] O3.203 High-efficiency rugby-shaped hohlraum designs for driving large gas-filled capsules on the NIF	AMENDT, P.A.
12:25	[2993] O3.204 Design and analysis of a 3D ICF implosion campaign on the Omega laser with the TROLL code	RIQUIER, R.
12:40	[2994] O3.205 Modeling of laser-plasma interaction in the shock ignition regime with LPSE: Comparison with particle in-cell simulations and experiments	RUOCCO, A.

Thursday, 11 July 2019

BPIF - Aula U6-06, Building U6 (10:40 - 12:55)

-Conveners: L. Volpe

time	[id] title	presenter
10:40	[2938] I4.201 Theoretical modelling of picoseconds petawatt laser-plasma interactions	IWATA, N.
11:10	[2939] I4.202 Volumetric Ion Acceleration	HILZ, P.
11:40	[3015] O4.201 Plasma-based dynamic volume holographic elements for high-intensity lasers	LEHMANN, G.
11:55	[3016] O4.202 Impact of ultrafast laser generated Weibel magnetic fields on propagation dynamics of relativistic electron bunches	RAJ, G.
12:10	[3017] O4.203 Influence of near wavelength sized focal spots on laser driven ion acceleration	FRAZER, T.
12:25	[3018] O4.204 Achieving extreme light intensities using optically-structured plasma mirrors	FEDELI, L.
12:40	[3019] O4.205 Identification of coupling mechanisms between ultraintense laser light and dense plasmas	BLACLARD, G.

BPIF - Aula U6-06, Building U6 (16:30 - 18:30)

-Conveners: M. Vranic

time	[id] title	presenter
16:30	[2940] I4.203 Exascale laser plasma physics - from computational speed to predictions	HUEBL, A.
17:00	[2941] I4.204 Novel regimes of high-intensity laser-plasma interactions enabled by extreme magnetic fields	AREFIEV, A.
17:30	[3020] O4.206 Production of collimated gamma ray beams for e- e+ pair creation.	ESNAULT, L.
17:45	[3021] O4.207 Can quantum stochastic effects be detected in ultra-intense laser-plasma interactions?	CAPDESSUS, R.
18:00	[3022] O4.208 Anisotropic heating and magnetic field generation due to Raman scattering in laser-plasma interactions	SILVA, T.
18:15	[3023] O4.209 Advanced multi-dimensional simulations on parametric instabilities in in- homogeneous plasmas relevant to inertial confinement fusion	XIAO, C.

Friday, 12 July 2019

BPIE - Aula U6-06, Building U6 (10:40 - 12:40)

-Conveners: P. Muggli

time	[id] title	presenter
10:40	[2956] I5.201 High quality laser-plasma acceleration with the Resonant Multi-Pulse Ionization injection scheme	TOMASSINI, P.
11:10	[2957] I5.202 Optimizing Direct Laser Acceleration	HUSSEIN, A.E.
11:40	[3037] O5.201 Petawatt laser guiding and electron beam acceleration to 7.8 GeV in a laser heated capillary discharge waveguide at BELLA	BENEDETTI, C.
11:55	[3038] O5.202 Production of isolated CEP-tunable subcycle pulses in laser-driven wakes	SIMINOS, E.
12:10	[3039] O5.203 Collimated electron bunches from relativistic laser solid interaction	SAVEL'EV, A.
12:25	[3040] O5.204 Nonlinear dynamics of plasma grating in a static ponderomotive potential	PENG, H.