

HFLPI: High-Field Laser Plasma Interaction EPS DPP satellite workshop

Saturday July 13th 2019

8:30 - 9:30	REGISTRATION	
9:30 - 11:00	WELCOME & OPENING <i>Mickael Grech, Marija Vranic, Matteo Passoni</i>	
	UHI&Extreme Light Facilities	Luca Volpe: CLPU (Spain)
		Mickael Grech: Apollon (France)
		Ondrej Klimo: ELI Beamlines (Czech Republic)
		Kazuo Tanaka: ELI Nuclear Physics (Romania) <i>presented by O. Klimo</i>
		Hyung Taec Kim: CoReLS (South Korea)
Anna Grassi: SLAC (USA)		
11:00 - 11:30	COFFEE BREAK	
11:30 - 13:10	Strong-field Laser-plasma interaction	Lihua Cao, IAPCM (China) <i>Improvement of energetic electrons and protons by laser-plasma interactions with an external magnetic field</i>
		Martin Matys, ELI Beamlines (Czech Republic) <i>Double layer target with interface modulations for laser acceleration of collimated ion beams</i>
		Arianna Formenti, Politecnico di Milano (Italy) <i>Interaction between superintense laser fields and nanostructured plasmas</i>
		Bertrand Martinez, LULI, Ecole Polytechnique (France) <i>Synchrotron emission from nanowire array targets irradiated by ultraintense laser pulses</i>
		Arkady Gonoskov, University of Gothenburg (Sweden) <i>Laser-particle collider for multi-GeV photon production</i>
13:10 - 14:10	LUNCH	
14:10 - 15:10	POSTER SESSION	
15:10 - 15:30	COFFEE BREAK	
15:30 - 17:30	Strong-field Quantum Electrodynamics	Igor Kostyukov, Lobachevsky University (Russia) <i>Spatio-temporal dynamics of QED cascade in the laser field and cascade growth rate</i>
		Fabrizio Del Gaudio, Instituto Superior Tecnico (Portugal) <i>Disruption beamstrahlung and pair-production in beam-beam collisions</i>
		Vitaly Yakimenko, SLAC (USA) <i>Prospect of Studying Nonperturbative QED with Beam-Beam Collisions</i>
		Arseny Mironov, MePhi (Russia) <i>Radiation corrections in non-perturbative regime of QED</i>
		Tobias Podszus, Max Planck Institute for Nuclear Physics (Germany) <i>High-energy behavior of strong-field QED in an intense plane-wave</i>
		CLOSING