Réunion Plénière du GDR U.P. 2023

Lundi 11 décembre 2023
Salon Honnorat

09h00-10h00	***ACCUEIL***	
10h00-10h30	**BUREAU DU GDR UP**	Introduction Actions 2023 du GDR, Actions prévues, Opportunités
	SESSION 1 Attoscience	
10h30-11h10	***Katalin Varju***	***ELI - ALPS***
11h10-11-30	Eric Mevel CELIA, Bordeaux	XUV high order harmonic wavefront and mode control
11h30-11h50	Juliette Dubois LOA, Palaiseau	Frequency resolved cross correlation between XUV high harmonics and IR fundamental laser pulses by transient multiphoton absorption spectroscopy in gases
11h50-12h10	Verónica Oliver Álvarez de Lara ULTRAFAST innovation	From classic to state-of-the-art instruments to generate, characterize, and manipulate ultrafast light
12h10-13h40	***REPAS / EXPOSANTS***	
	SESSION 2 High Intensity XUV	
13h40-14h20	***Sakura Pascarelli***	***Eu-XFEL***
14h20-14h40	Saikat Nandi iLM, Lyon	Generation of quantum entanglement between two massive particles using a seeded free-electron laser
14h40-15h00	Maurizio Monti IMMM, Le Mans	Surface melting of orbital order in an ultrafast phase transition
15h00-15h20	Weipeng Yao LULI, Palaiseau	Characterization of proton and X-ray generation at the Apollon short-focal-area in the 1-2 PW range
15h20-15h50	***PAUSE CAFÉ / EXPOSANTS***	
	SESSION 3 High Intensity IR	
15h50-16h30	***Jakob Andreasson***	**ELI-Beamlines**
16h30-16h50	Aline Vernier LOA, Palaiseau	Laplace HC : un accélérateur laser-plasma conçu pour les applications
16h50-17h10	Adrien Kraych IJCLab, Orsay	Slowing down the light in vacuum with intense laser pulses
17h10-17h30	Francois Sylla SOURCELAB	KAIO-Beamline – a modular high-repetition rate laser-plasma electron accelerator for a broad range of applications
	Photo conference	
17h30-19h00	***Session Poster***	
17h30-20h30	***Cocktail***	

Mardi 12 décembre 2023
Salon Honnorat

09h00-09h30	***Accueil Café***	
SESSION 4 CONDENSED PHASE		
09h30-09h50	Emmanuel Benichou iLM, Lyon	Probing the organization of liquids from the bulk to the interface by second harmonic generation
09h50-10h10	Manuel Llansola-Portoles I2BC, Saclay	Regulation of excited states in photosynthetic systems
10h10-10h30	Chloé Magne ISMO, Orsay	Ultrafast spectroscopy to explore Multiple Exciton Generation
10H30-11h00	***PAUSE CAFÉ / EXPOSANTS***	
SESSION 5 MATERIALS		
11h00-11h20	Siham Benhabib LPS, Orsay	Non-adiabatic Lifshitz transition in High Tc superconductor $Bi_2Sr_2CaCu_2O_{8+\delta}$
11h20-11h40	Yannis Laplace LSI, Palaiseau	Ultrasmall and tunable TeraHertz surface plasmon cavities at the ultimate plasmonic
11h40-12h00	Clément Hainaut PhLAM, Lille	Ultrafast measurement of turbulent phenomena in a quantum fluid-of-light
12h00-12h20	Niloufar Nilforoushan LMPQ, Paris	Intense and ultrabroadband THz sources at a 200 kHz repetition rate for time-resolved nonlinear study of low-energy excitations
12h20-14h00	***REPAS / EXPOSANTS***	
SESSION 6 ISOLATED SYSTEMS		
14h00-14h20	Alexandra Viel IPR, Rennes	Ultra-fast or ultra-slow dynamics through conical intersections? The case of NO_3
14h20-14h40	Constant Schouder ISMO, Orsay	Solvation dynamics of an alkali ion in a helium nanodroplet
14h40-15h00	Lina Fransén CEISAM, Nantes	Ultrafast photochemistry of ionized ethylene $C_2H_4^+$: a theoretical perspective
15h00-15h20	Joachim Galiana ICGM, Montpellier	Quantum dynamics around PPE'S conical intersections for spectroscopic and real-time studies
15h20-15h50	***Pause café / EXPOSANTS***	
SESSION 7 MATERIALS		
15h50-16h10	Mauro Fanciulli LPMS, Cergy	Ultrafast Hidden Spin Polarization Dynamics of Bright and Dark Excitons in 2H-WSe_2
16h10-16h30	Laurène Gatuingt LMPQ, Paris	Out-of-equilibrium dynamics in the Bi2212 antiferromagnetic phase
16h30-16h50	Jelena Sjakste LSI, Palaiseau	Electron-phonon coupling and ultrafast dynamics of hot carriers in semiconductors: from interpretation of photoemission experiments to transport simulations in devices.
16h50-17h10	Paolo Maioli iLM, Lyon	Ultrafast spectroscopy investigations of heat transfer at the nanoscale
AFTERWORK		

Mercredi 13 décembre 2023
Salle Gulbenkian

09h00-09h30	***Accueil Café***	
SESSION 8 SECONDARY SOURCES		
09h30-09h50	Pierre Béjot ICB, Dijon	PI-FROSt: “Plasma-Induced Frequency Resolved Optical Switching”
09h50-10h10	Slava Smartsev LOA, Palaiseau	Simple few-shot method for spectrally resolving the wavefront of an ultrashort laser pulse
10h10-10h30	Francesco Massimo LPGP, Palaiseau	Recent progress in the modeling of laser wakefield acceleration
10h30-11h00	***Pause Café / discussions***	
SESSION 9 ISOLATED SYSTEMS		
11h00-11h20	Emmanuel Fromager LCQ, Unistra	Ensemble density functional theory of electrons and nuclei
11h20-11h40	Rafael Menezes Ferreira LIDYL, Saclay	Probing two-photon resonant ionization with electron interferometry
11h40-12h00	Anthony Ferté CEISAM, Nantes	Quantum interference effects in the post-ionization dynamics of fluoro-benzene unravelled through non-adiabatic simulations
12h00 – 13h30	***REPAS***	
SESSION 10 ISOLATED SYSTEMS		
13h30-13h50	Morgan Berkane LCPMR, Paris	Theoretical study of electron-nuclei entanglement in molecular photoionization
13h50-14h10	Francesco Talotta LPCT, Nancy	How to tackle the radiationless transitions via quantum chemistry methods
14h10-14h30	Raman Maksimenka FASTLITE-Amplitude	Towards table-top and high-flux OPCPA drivers at 2.1 µm for Soft-X-Ray generation.
14h30-15h00	***Pause Café / discussions***	
SESSION 11 SECONDARY SOURCES		
15h00-15h20	Igor Andriyash LOA, Palaiseau	Circumventing limits of Laser-Plasma Acceleration with advanced optics
15h20-15h40	Stylianos Passalidis LMCE, Bruyères-le-Chatel	Modelling electron deflectometry measurements of magnetic fields in ultrahigh-intensity, femtosecond laser-foil interactions
15h40-16h00	Luca Fedeli LIDYL, Saclay	Probing strong-field QED with Doppler-boosted ultra-intense lasers
16h00-16h15	***Conclusions***	