

Programme FOCUS #2

6 juin 2023

9h00 – 9h30	Accueil Café	
9h30 – 9h50		Introduction Kees Van Der Beek & Pascale Chagnenet
Session 1	<i>Ultrafast optics and lasers Chair: Lou Barreau (ISMO)</i>	
9h50 – 10h10	Xavier Sarazin (IJCLab)	Le projet DeLLight : Ralentir la vitesse de la lumière dans le vide avec des impulsions laser intenses
10h10 – 10h30	Louis Daniault (LOA)	Temporal compression and cleaning of ultrashort pulses in multipass cells
10h30 – 10h50	David Gauthier (Lidyl)	Génération d'harmoniques d'ordre élevé dans les cristaux sur la plateforme Nanolight
10h50 – 11h20		Pause
Session 2	<i>Non-linear spectroscopy Chair: Adeline Bonvalet (LOB)</i>	
11h20 – 11h40	Frédéric Druon (LCF)	Source laser multicolore dans le SWIR pour la microscopie non-linéaire à 3 photons
11h40 – 12h00	Wutharah Chin (ISMO)	Ultrafast IR spectroscopy of Iron pentacarbonyl
12h00 – 13h45		Buffet
13h45 – 14h30	Christophe Clanet (LadHyx)	Physique au Vélodrome
Session 3	<i>Dynamical processes in biomolecules chair : Karine Steenkeste (ISMO)</i>	
14h30 – 14h50	Aurélien de La Lande (ICP)	Promises of ab initio simulations to understand ultra-fast responses of inhomogeneous matter subjected to ionizing irradiation
14h50 – 15h10	Pavel Müller (I2BC)	Photoenzymatic decarboxylation of medium-chain fatty acids boosted by an unexpected auto-/co-catalytic effect of n-alkanes
15h10 – 15h30	François Hache (LOB)	Fast folding dynamics of DNA G-quadruplexes studied with time-resolved circular dichroism
15h30 – 16h00		Pause
Session 4	<i>Materials chair: Stephane Guizard (LIDYL)</i>	
16h00 – 16h20	Marie Legrand (IPVF)	Enhancing Time-Resolved Photoluminescence Spectroscopy with Spatially Resolved Techniques
16h20 – 16h40	Valérie Vénard (LSI)	Influence of Exact Features of Time-Dependent Kohn-Sham Potential on the Ionization Dynamics
16h40 – 17h00	Jean Yves Chauleau (SPEC)	Ultrafast spintronics and antiferromagnetic insulators
17h00-17h10		Conclusions
17h10 – 19h00		Cocktail / Posters