

November 29, morning

9h00 – 9h15	Introduction	Sebastien Le Pape (LULI)
9h15- 10h	Apollon status	Francois Mathieu (LULI)
<i>Warm Dense Matter section</i>		
10h-10h30	Overview of WDM studies using ultra high intensity lasers	Dave Riley (QUB)
10h30-10h45	Coffee break	
10h45-11h05	Femtosecond X-ray Absorption spectroscopy using Betatron to investigate the ultrafast dynamics in WDM up to HED	Ludovic Lecherbourg (CEA)
11h05-11h25	Material science with Apollon	Razvan Stoian (Un. Saint Etienne)
11h25-11h45	Perspectives on WDM studies coupled to Apollon-type facilities	Ulf Zastra (EUXFEL)
11h45-12h45	Round table	Francois Guyot, Fabien Dorchies, Paul Neumayer
12h45 – 14h	Lunch (& poster session)	

November 29, afternoon

Astrophysics session

14h-14h40	Overview on extreme plasma astrophysics	Luis Silva (Istituto Sup Tecn Lisboa)
14h40-15h	Magnetic Reconnection	Roch Smets (LPP)
15h-15h20	Plasma turbulence	Archie Bott (Oxford)
15h20-15h40	Relativistic streaming instabilities and collisionless shocks	Laurent Gremillet (CEA)
15h40-16h	Coffee break	
16h-16h20	Interplay between QED and collective effects in plasmas	Thomas Grismayer (Technical University of Lisbon)
16h20-16h40	Future strong-field QED experiments on Apollon based on harmonic generation	Henri Vincenti (CEA)
16h40-17h40	Round table	Anna Grassi, Frederico Fiuza, Martin Lemoine
18h30-20h30	Cocktail/dinner in panoramic tower Zamansky (central tower of Jussieu)	

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High energy particle and photon sources session

9h00-9h20	Ion acceleration with ultrashort laser pulses: state-of-the-art and perspectives in the multi-PW regime	Ulrich Schramm (HZDR)
9h20-9h40	Electron acceleration: recent developments and perspectives in the multi-PW regime	Victor Malka (Weizman Institue)
9h40-10h	Perspective for neutron generation with multi-PW, ultrashort laser systems	A. Yogo (Osaka)
10h-10h20	Coffe break	
10h20-10h40	Standard talk (X-rays from targets (High harmonics, channels, gamma flash...))	Brendan Dromey (QUB)
10h40-11h	X-ray light sources driven by laser Wakefield acceleration: state of the art and perspectives in the multi-PW regime	Felicie Albert (LLNL)
11h-11h20	Creating relativistic electron-positron pair jets and plasmas on Apollon lasers	Jens Von der Linden (Max Planck Institute for Plasma Physics)
11h20-12h20	Round table	Marco Borghesi, C. Schroeder, Andrea Macchi
12h20-14h	Lunch (& poster session)	

November 30, afternoon

QED session

14h-14h30	Overview on tests and applications of strong-fields QED with multi PW lasers	Antonino Di Piazza (Rochester Un.)
14h30-14h50	Opportunities at the frontier of strong-field QED	Matteo Tamburini (Heidelberg Un.)
14h50-15h10	Advances and challenges in the simulations of strong field QED	Thomas Blackburn (University of Gothenburg)
15h10-15h30	Simulations of laser based positron sources and positron acceleration	Maria Vranic (Istituto Sup Tecn Lisboa)
15h30-15h50	Coffee break	
15h50-16h10	Future strong-field QED experiments on Apollon	Sébastien Corde (LOA)
16h10-16h30	The status and challenges of the SLAC 320 experiment	Sebastien Meuren (LULI)
16h30-17h45	Round table	Caterina Riconda, Stephan Weber, Cédric Thaury
17h45-18h	Conclusions	