

November 30th, 2015

Target area diagnostics with Ultrafast Ultraintense Lasers

3rd

Meeting of the Networking Activity
on Ultrafast Ultraintense Lasers
(NAUUL) within LaserLab-Europe III

High rep rate

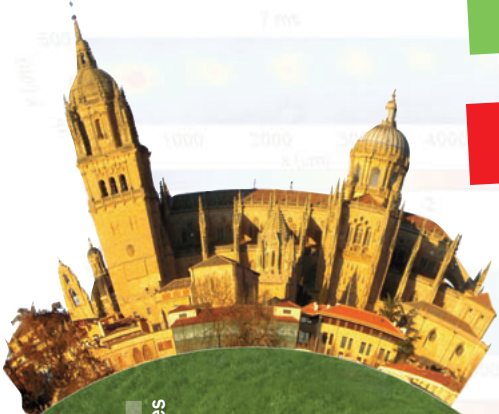
Short pulse duration

Ultra High laser intensity

Organized by the
Centro de Láseres Pulsados (CLPU)
at the Hospederia Fonseca,
in Salamanca (Spain)

Chair: Luca Volpe
(CLPU and Univ. Salamanca)

NAUUL
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NAUUL SCHEDULE

Time	Speaker	Institution	Title
Section 1. High Intensities and High Rep Rate diagnostics / Chair : W. Hill III			
08:30	Registration		
09:00	CLPU Welcome		
09:30	Marco Hornung	Helmholtz-Institut Jena, Germany	Laser- and Target-diagnostics at the POLARIS system
10:00	Dimitri Batani	Centre Lasers Intenses et Applications (CELIA), France	PETAL+ project: activation and EMP issues
10:30	David Neely	Central Laser Facility (CLF), United Kingdom	High repetition rate diagnostics for X-ray and particle beams form ultra intense interactions
11:00	Martin Regehy	Greteyes Company	Scientific CCD & CMOS Imaging Detectors
11:20	Coffee Break		
Section 2. Ultrafast diagnostics / Chair : K. Osvay			
11:40	Petra Koster	Intense Laser Irradiation Laboratory (ILIL), Pisa, Italy	Research activities at the Intense Laser Irradiation Laboratory (ILIL)
12:10	Ronnie Sheperd	Lawrence Livermore National Lab. (LLNL), USA	Spectroscopic measurements of short-pulse laser heated solids using sub-picosecond streaked x-ray spectroscopy
12:40	Dino Jaroszynski	University of Strathclyde, Scotland	Radiation sources based on laser-plasma interactions
13:10	Jean Roux	Hamamatsu Company	Streak Cameras inside
13:30	Lunch		
Section 3. Open problems and challenges in diagnostic development / Chair : A. Zigler			
15:00	Werndell T. Hill III	University of Maryland, USA	Proton and Electron Time Histories During Laser Driven Ion Acceleration
15:30	Didier Mazon	International Thermonuclear Experimental Reactor (ITER), France	Soft X-ray tokamak diagnostics and actual challenges
16:00	João Veloso	Universidade de Aveiro, Portugal	Development of x-ray detectors at DRIM@UA
16:30	Raphael Serra	Phasics Company	Adaptive Optics loop implementation and plasma diagnostic for petawatt laser
16:50	Coffee Break		
17:10	Round Table		Open problems in diagnostic development