

UWAT workshop programme, 28th of June

Science with coherent XUV sources. Part 1			
Location: Conference Room			
Chair: Eva Klimešová; Co-Chair: Zsolt Diveki			
time	Speaker	Affiliation	Title of the talk
9:00	Vít Svoboda	Univ. of chemistry and technology Prague	Ultrafast Chiral Dynamics with Photoelectrons
9:30	Raimund Feifel	University of Gothenburg	Probing ultrafast processes using time-of-flight multi-particle correlation spectroscopy
10:00	Tamás Csizmadia	ELI ALPS	High repetition rate attosecond beamline for gas targets
10:30 - 10:50 coffee break			
10:50	Ondřej Hort & Jan Vábek	ELI BL	User perspectives of HHG beamline at ELI Beamlines / User-oriented numerical modelling of HHG
11:20	round table discussion		

Generation and applications of ultrashort structured light			
Location: Lounge Room			
Chair: Subhendu Kahaly; Co-Chair: Mihail Cernaianu			
time	Speaker	Affiliation	Title of the talk
9:00	Marco Piccardo	Instituto Superior Técnico, Universidade de Lisboa	"Robust monolithic meta-optics for high-power laser beam shaping from near-UV to near-IR"
9:30	Igor Adnriyash	ENSTA, Ecole Polytechnique Paristech	"Circumventing limitations of Laser-Wakefield Acceleration with structured laser pulses"
10:00	Mihail Cernaianu	ELI NP	Generation and acceleration of ion beams with high order helical PW laser beams
10:30 - 10:50 coffee break			
10:50	Jorge Vieira	Instituto Superior Técnico, Universidade de Lisboa	Structured light for ultra-intense laser-plasma interactions: numerical modelling and applications
11:20	Alexey Arefiev (online)	University of California, San Diego	TBD
11:50	round table discussion		

Secondary sources for cultural heritage and space radiation			
Location: Hilase Conference Room			
Chair: L. Giuffrida; Co-Chair: V. Malka			
time	Speaker	Affiliation	Title of the talk
9:00	Paolo Branchini	Rome University	Electromagnetic probes and art diagnostics: Campaign latest results on Raffaello's masterpiece "La Fornarina"
9:30	Matteo Passoni	Politecnico Milano	Laser-plasma radiation hardness testing of components for space and nuclear applications
10:00	Bernhard Hidding	Heinrich Heine University Düsseldorf	Laser-Plasma Radiation Hardness testing of components for space and nuclear applications
10:30 - 10:50 coffee break			
10:50	Martina Greplová Žáková	ELI BL	ELI BL capabilities on cultural heritage
11:10	Illia Zymak	ELI BL	Brief overview of ELI BL capabilities on space applications
11:30	Nigel Mason	University of Kent	The effects of space radiation on interstellar and solar system ice
11:50 - 12:30	round table discussion		

Electron-Photon Collision Platforms at ELI			
Location: ELI Dark Room			
Chair: S.V. Bulanov; Co-Chair: P. Tomassini			
time	Speaker	Affiliation	Title of the talk
9:00	Gabriele Grittani	ELI BL	ELBA overview
9:30	Masaki Kando	KPSI QST (Kansai Institute for Photon Science, National Institutes for Quantum and Radiological Science and Technology, Japan)	Relativistic flying mirrors: colliding dense electrons with an intense laser pulse
10:00	Alexander Thomas	University of Michigan	Laser-electron beam collision physics
10:30 - 10:50 coffee break			
10:50	Stefan Ataman	ELI NP	Electron-photon and photon-photon experiments at ELI-NP
11:20	Elias Gerstmayr	Queen's University Belfast	The ongoing experiment of their team at NP on Compton backscattering

Science with coherent XUV sources. Part 2			
Location: Conference Room			
Chair: Eva Klimešová; Co-Chair: Zsolt Diveki			
time	Speaker	Affiliation	Title of the talk
13:30	Christopher Arrell	PSI Switzerland	Application of HHG sources to pump-probe studies in liquid jets
14:00	Andreas Hult Roos	ELI BL	MAC user end-station – Present status of AMO science at ELI Beamlines
14:30	Andor Körmöczi	ELI ALPS	Attosecond soft X-ray beamline at ELI-ALPS
15:00 - 15:20 coffee break			
15:20	Lénárd Gulyás Oldal	ELI ALPS	Measurements on the polarization state of high-order harmonic beams
15:50	round table discussion		

Ultrafast Techniques in Material and Surface Studies			
Location: Lounge Room			
Chair: Péter Dombi; Co-Chair: Miroslav Klotz			
time	Speaker	Affiliation	Title of the talk
13:30	Martin Aeschlimann	TU Kaiserslautern	Pushing surface science to the attosecond timescale with NanoESCA
14:10	László Óvári	ELI ALPS	Ultrafast experiments with the NanoESCA endstation of ELI
14:35	Zsuzsanna Pápa	ELI ALPS	Ultrafast technologies for time-resolved nanoscience
15:00 - 15:20 coffee break			
15:30	round table discussion		

Advances in high rep-rate target technology			
Location: Hilase Conference Room			
Co-Chair: T. Chagovets, Co-Chair: V. Leca			
time	Speaker	Affiliation	Title of the talk
13:30	Enam Chowdhury	Ohio State University	Liquid target system
14:00	Fabien Souris	CEA – Grenoble	Solid hydrogen target
14:30	Nina Gamalunova	ELI BL	High rep target systems (liquid/cryogenic)
15:00 - 15:20 coffee break			
15:30	Attila Kovács	University of Szeged	Development of an ultrathin liquid target system for particle generation @1 kHz
16:00	Round Table discussion		

10-PW Laser-Plasma Platforms at ELI			
Location: ELI Dark Room			
Chair: S. Weber; Co-Chair: D. Doria			
time	Speaker	Affiliation	Title of the talk
13:30	Wenpeng Wang	Shanghai Institute of Optics and Fine Mechanics (SIOM) Chinese Academy of Sciences (CAS)	Recent laser developments and physical researches on SULF
14:00	Domenico Doria	ELI NP	TBD
14:30	Tae-Moon Jeong	ELI BL	TBD
15:00 - 15:20 coffee break			
15:30	Lucas Inigo Gamiz	Universidade de Lisboa	TBD
16:00	Florian Condamine	ELI BL	Commissioning phases and future capabilities of the L4P3 beamline
16:30	Round Table discussion		