

LL2 Meetings and PALS 10 Workshop

September 22-24 2010

PALS Research Centre, Za Slovankou 3, Prague 8

PROGRAMME

LASERLAB MB & NWB Meetings

Wednesday, September 22

10:00 – 16:00

LASERLAB Management Board and Networking Board Meeting

16:30 – 18:00

PALS Internatinal Advisory Board Meeting

I. Földes, L. Gizzi, Th. Kühl, P. Norreys, M. Vrbová, K.J. Witte, J. Wolowski, K. Jungwirth, K. Rohlena, J. Ullschmied

Guest: N. Witzanyova, Ministry of Schools, Youth and Sports

19:00 – 22:00

Working Dinner at Ctenice Castle www.zamekctenice.cz

Invited speakers:

Václav Havlíček – Rector of Czech Technical University in Prague

Miroslav Tůma – Vice-president of ASCR

Vlastimil Růžička – Ministry Plenipotentiary for ELI

PALS 10 WS

Thursday, September 23

10:00 – 11:00

Opening Session S1

Chairman: K. Jungwirth

Welcome addresses and introductory talks by

Petr Křenek – Director of IPP ASCR

Milada Glogarová – IP ASCR

Wolfgang Sandner – LASERLAB

Helena Illnerová – former President of ASCR

Klaus Jürgen Witte – former Head of HPL Dpt. at MPQ

11:20 – 13:00

Session S2 – PALS History, Present and Future

Chairman: K.J. Witte

K. Rohlena – Introductory Talk about PALS Prehistory

G. Jamelot – A Brief History of the Czech-French Collaboration about X-UV Lasers at PALS

J. Wolowski – Study of the Ion Generation and Acceleration in Plasma Produced by the PALS Laser Pulse

D. Batani – Shock and Hydro Experiments at PALS

H. Fiedorowicz – Laser Plasma X-ray and EUV Sources for Application in Micro- and Nanoprocessing
Materials and Nanoimaging

13:45 – 15:40

Session S3 – Laser Infrastructures 1 – Prospects

Chairman: D. Batani

P.A. Norreys – Present and Future of the European Laser Research and on the Role of Large Facilities

C.B. Edwards – Current Status and Future Plans for the HiPER Project

Th. Kühl – Developments at PHELIX and Prospects for Cooperations with PALS in the Frame of Laserlab

P. Balcou – Progress Report of the Board on High-Energy Lasers

B. Rus – ELI-Beamlines Status

T. Mocek – HiLASE Status

K. J. Witte – Centre for Advanced Laser Applications at the Research Campus Garching

16:00 – 17:45

Session S4 – Laser Infrastructures 2 – Cooperation, PALS

Chairman: O. Renner

I. Földes – From ASTERIX to PALS

L. Gizzi – Optics, Laser and Plasma Research at CNR-INO

F. Rosmej – Atomic Physics Coupling and Mixing Plasma Phenomena

J. Limpouch – Laser Interactions with Low-Density Foams at PALS

PALS 10 WS
Friday, September 24

9:30 – 10:50

Session S5 – PALS Present and Future 1 (X-ray Lasers, HEDP)

Chairman: J. Ullschmied

Address by J. Řídký, Director of IP ASCR

J.-P. Chieze – Some Pending Questions in Plasma Laser Astrophysics

J. Nejdí – Review of X-ray Laser Activities at PALS

J. Davies – The Work Done in Association with PALS

L. Juha – PALS at the Frontiers of High-Energy Density Physics and High-Energy Chemistry

11:10 – 12:30

Session S6 – PALS Present and Future 2 (Plasma Acceleration, Plasma Jets)

Chairman: J. Krása

J. Badziak – PALS Experiments on Acceleration and Collimation of Dense Plasma

T. Pisarczyk – Plasma Streams Generation and Macroparticle Acceleration for ICF and Astrophysics

Ch. Stehlé – Radiative Shocks Experiments at PALS - Links to Astrophysics

Ph. Nicolai – Laboratory Modeling of Supersonic Jets Propagation in Plasmas and Their Scaling to Astrophysical Conditions

12:30 – 13:00

Closing discussion