

Programme of the 1st HiLASE workshop

MONDAY, 28 NOVEMBER, 2011

HiLASE Project Overview

08:30 - 08:55		<i>Registration</i>
08:55 - 09:00	V. Růžička (ELI/HiLASE)	<i>Welcome Address</i>
09:00 - 09:15	T. Mocek (HiLASE)	<i>Introduction of HiLASE project</i>
09:15 - 09:35	M. Smrž (HiLASE)	<i>Design and modeling of kW-class thin disk laser</i>
09:35 - 09:55	M. Chyla (HiLASE)	<i>Development of high-energy, thin disk regenerative amplifier</i>
09:55 - 10:05	P. Severová (HiLASE)	<i>Modeling of ASE in thin disk</i>
10:05 - 10:25	A. Lucianetti (HiLASE)	<i>Concept of 100J/10Hz cryogenic multislabs laser system</i>

10:25-10:40 Coffee Break

10:40 - 11:00	M. Divoký (HiLASE)	<i>Design of multislabs power amplifier for 100J laser</i>
11:00 - 11:20	M. Sawicka (HiLASE)	<i>Modeling of ASE in multislabs</i>
11:20 - 11:40	P. Sikocinski (HiLASE)	<i>Calculation of laser beam propagation in multislabs amplifier</i>
11:40 - 12:00	J. Pilař (HiLASE)	<i>Correction of wavefront aberrations in multislabs laser</i>
12:00 - 12:20	M. Řeháková (HiLASE)	<i>HiLASE infrastructure and technology implementation</i>
12:20 - 12:40	L. Gemini (HiLASE)	<i>Laser induced surface structuring</i>

12:40 - 13:40 Lunch Break

Relevant High-Energy DPSSL Projects

13:40 - 14:00	T. Metzger (MPQ)	<i>Short pulse, kW-class thin disk laser development</i>
14:00 - 14:20	J. Speiser (DLR)	<i>Power scaling of thin disk lasers</i>
14:20 - 14:40	K. Ertel (RAL)	<i>Status of DiPOLE project</i>
14:40 - 15:00	M. Tyldesley (STFC)	<i>Engineering challenges of HiPER</i>
15:00 - 15:20	J. Hein (Univ. Jena)	<i>Status and recent improvements of the POLARIS laser</i>

15:20 - 15:40	M. Siebold (HZDR)	<i>High intensity lasers in Dresden: DRACO and PEnELOPE</i>
15:40 - 16:00	Akira Endo(Waseda U.)	<i>Optimization of high average power, short pulse thin disc laser in the EUV source applications</i>
16:00 - 16:30	Coffee Break	
16:30 - 17:30	<i>Closed meeting on thin-disk/PALS Tour</i>	
17:30 - 18:30	<i>Closed meeting on multislabs/PALS Tour</i>	
19:00	Dinner at Restaurant „U Sádlů“, Balbínova 22 www.usadlu.cz	

TUESDAY, 29 NOVEMBER, 2011

Relevant Laser Technology Developments in the Czech Republic

09:00 - 09:20	P. Bakule (ELI)	<i>Front-end of ELI Beamlines Facility</i>
09:20 - 09:40	J. Novák (ELI)	<i>Thin disk laser amplifiers for ELI Beamlines</i>
09:40 - 10:00	H. Jelínková (CTU)	<i>Diode pumped Yb:YAG lasers at CTU</i>
10:00 - 10:20	V. Kubeček (CTU)	<i>Quasi-continuously pumped Neodymium lasers in a bounce geometry</i>
10:20 - 10:40	R. Švábek (CTU)	<i>Laser Technologies Applications in RCMT, CTU in Prague</i>
10:40-11:00	Coffee Break	
11:00 - 11:20	J. Houžvička (Crytur)	<i>Development of large Yb:YAG crystals</i>
11:20 - 11:40	V. Lédl (Toptec)	<i>Possibilities of precise optical manufacturing in research Centre TOPTEC</i>
11:40 - 12:00	P. Kořán (LAO)	<i>New trends in industrial lasers and applications</i>
12:20 - 12:40	J. Oulehla (ISI)	<i>TBD</i>
12:40 - 12:50	Concluding remarks	
12:50 - 13:50	Lunch Break	
14:00	End of workshop	