

2016 ELISS

ELI & HILASE SUMMER SCHOOL

PROGRAMME

PRAGUE 21/ 8/ - 26/ 8/ 2016

Lessons:

ELI Beamlines building, Dolní Břežany

Accommodation for ELISS students:

Masarykova Kolej, Thákurova street 1, Prague 6

SUNDAY		
	8/21/16	ARRIVAL OF ELISS PARTICIPANTS
MONDAY	8/22/16	CHAIRPERSON: G. KORN
08:00		BUS TRANSFER FROM STUDENTS' APPARTMENTS TO ELI BEAMLINES BUILDING
09:00		REGISTRATION OF PARTICIPANTS
09:30		OPENING ELI SUMMER SCHOOL (J. ŘÍDKÝ, R. HVĚZDA)
09:35	SEMINAR 1	OVERVIEW OF ELI BEAMLINES (G. KORN)
10:20	SEMINAR 2	OVERVIEW OF ELI NP (D. BALABANSKI)
11:05		COFFEE BREAK
11:25	SEMINAR 3	OVERVIEW OF ELI ALPS (K. OSVAY)
12:10		LUNCH BREAK
13:30	SEMINAR 4	OVERVIEW OF THE HILASE CENTRE (T. MOCEK)
14:15	SEMINAR 5	RP 1 ELI BEAMLINES LASER SYSTEMS (B. RUS)
15:15	SEMINAR 6	INTRODUCTION TO LASER DRIVEN X-RAY SOURCES (J. NEJDJL)
16:00		COFFEE BREAK
16:20		PARTICIPANTS' POSTER SESSION
17:20		VISIT OF ELI BEAMLINES HALLS AND HILASE LABORATORIES
18:20		BUS TRANSFER TO STUDENTS' APPARTMENTS
		FREE EVENING
TUESDAY		
	8/23/16	CHAIRPERSON: D. MARGARONE
08:00		BUS TRANSFER FROM STUDENTS' APPARTMENTS TO ELI BEAMLINES BUILDING
09:00	SEMINAR 7	PLASMA X-RAY SOURCES AND THEIR APPLICATIONS (F. ZAMONI)
10:00	SEMINAR 8	HIGH HARMONIC GENERATION AND APPLICATIONS (E. CONSTANT)
11:00		COFFEE BREAK
11:20	SEMINAR 9	UNDULATOR SOURCES OF X-RAYS (L. PŘIBYL)
12:30		LUNCH BREAK
14:00	SEMINAR 10	LASER DRIVEN ION ACCELERATION AND APPLICATIONS (M. BORGHESI)
15:00	SEMINAR 11	MODELLING OF LASER DRIVEN ION ACCELERATION (D. KLIMO)
16:00		COFFEE BREAK
16:20	SEMINAR 12	ELECTRON ACCELERATION BY LASER-PLASMA AND APPLICATIONS (D. JAROSZYNSKI)
17:20	SEMINAR 13	ELI-ALPS PHYSICS OF ATTOSECOND GENERATION AND CHARACTERIZATION (P. TZALLAS)
18:20		BUS TRANSFER TO STUDENTS' APPARTMENTS
		FREE EVENING
WEDNESDAY		
	8/24/16	CHAIRPERSON: J. ANDREASSON
08:00		BUS TRANSFER FROM STUDENTS' APPARTMENTS TO ELI BEAMLINES BUILDING
09:00	SEMINAR 14	ADVANCED SECONDARY SOURCES BY LASER-PLASMA ACCELERATED ELECTRONS (D. JAROSZYNSKI)
10:00	SEMINAR 15	RP 4 (J. ANDREASON)
11:00		COFFEE BREAK
11:20	SEMINAR 16	RP 4: APPLICATIONS OF HIGH-FIELD THZ PULSES IN MATERIAL SCIENCE (M. GENSCH)
12:30		LUNCH BREAK
14:00	SEMINAR 17	RP 4: THZ PUMP/X-RAY DIFFRACTION PROBE EXPERIMENTS IN STRUCTURAL BIOLOGY (G. KATONA)
15:00	SEMINAR 18	RP 4: ATOMIC TELEMETRY: IN SITU DETERMINATION OF ANTI-CANCER DRUG MECHANISM OF ACTION (J. SA)
16:00		COFFEE BREAK
16:20	SEMINAR 19	ELI-ALPS STUDY OF STRUCTURE AND DYNAMICS WITH ATTOSECOND SOURCES (F. LEPINE)
17:20		ELI-NP: QED AND HIGH FIELD PHYSICS (P. GHENUCHE)
18:20		VISIT OF OLIVA BREWERY IN DOLNI BŘEŽANY
21:00		BUS TRANSFER TO STUDENTS' APPARTMENTS
THURSDAY		
	8/25/16	CHAIRPERSON: S. WEBER
08:00		BUS TRANSFER FROM STUDENTS' APPARTMENTS TO ELI BEAMLINES BUILDING
09:00	SEMINAR 20	RP 5: INERTIAL CONFINEMENT FUSION FOR ENERGY (J. LIMPOUCH)
10:00	SEMINAR 21	RP 5: LABORATORY ASTROPHYSICS (D. KUMAR)
11:00		COFFEE BREAK
11:20	SEMINAR 22	RP 5: PLASMA OPTICS (P. MCKENNA)
12:30		LUNCH BREAK
14:00	SEMINAR 23	RP 5/6: LASER-PLASMA INTERACTION (C. RICONDA)
15:00	SEMINAR 24	RP 6: HIGH-FIELD THEORY (A. DIPIAZZA)
16:00		COFFEE BREAK
16:20	SEMINAR 25	RP 6: SIMULATION OF LASER-PLASMA INTERACTION (M. BUSSMANN)
17:20		ELI-NP NUCLEAR PHYSICS AND APPLICATIONS WITH HIGH-BRILLIANCE MONOCHROMATIC GAMMA BEAM (C. MATEI)
18:20		BUS TRANSFER TO STUDENTS' APPARTMENTS
		FREE EVENING
FRIDAY		
	8/26/16	CHAIRPERSON: T. MOCEK
08:00		BUS TRANSFER FROM STUDENTS' APPARTMENTS TO ELI BEAMLINES BUILDING
09:00	SEMINAR 26	PRINCIPLES OF HIGH-REPETITION-RATE DPSSLs (M. SMRŽ)
10:00	SEMINAR 27	PRINCIPLES OF HIGH-ENERGY DPSSLs (M. DIVOKÝ)
11:00		COFFEE BREAK
11:20	SEMINAR 28	MODELLING OF SHORT AND ULTRASHORT LASER PULSE PROCESSING OF MATERIALS (Y. LEVY)
12:20		AWARDING OF WOLFGANG SANDNER PRIZE (C. MIRON + THE LAUREATE)
13:00		LUNCH BREAK
14:00		BUS TRANSFER TO STUDENTS' APPARTMENTS OR VACLAV HAVEL AIRPORT PRAGUE
		THE END OF ELISS 2016

Each seminar is 60 minutes long = 50 minute presentation plus 10 minute discussion/questions

HORIZON 2020

