

ATHENS 2012 : PHYSICS OF EXTREME SYSTEMS

Course CTU18 – Autumn Term - Time Schedule

*Faculty of Nuclear Sciences and Physical Engineering CTU
Department of Physical Electronics, Trojanova 13, Prague 2*

November 19 : Monday

09:00 – 09:30 Introduction (L. Drska)

09:30 – 11:00 Preludium: Modern Physics - Lasers, Plasmas, Nuclei (M. Sinor)

11:00 – 12:30 Postmodern Physics and Extreme Systems (L. Drska)

14:00 – 15:00 *Laboratory Visit 1 : FNSPE : Dept. of Phys. Electronics – Trojanova
(P. Kubecek, H. Jelinkova)*

November 20 : Tuesday

09:00 – 10:30 Physics of Extreme States of Matter (L. Drska)

10:30 – 12:00 Subpicosecond / Superstrong Field Photonics (J. Psikal, IOP)

12:00 – 13:00 Computer laboratory PC-UNIX available for individual work

13:15 – 14:00 Transfer to FNSPE Troja Campus

14:00 – 16:00 *Laboratory Visit 2 : FNSPE : Dept. of Phys. Electronics – Troja
(J. Kral, P. Voltr.)*

November 21 : Wednesday

09:00 – 10:30 Physics of Nucleoreactive Plasmas (L. Drska)

10:30 – 12:00 Inertial Confinement Fusion and Thermonuclear Reactors (M. Kalal)

12:00 – 13:00 Computer laboratory PC-UNIX available for individual work

16.00 : Excursion – National Technical Museum

November 22 : Thursday

09:00 – 10:30 Lasers and Frontier Physics (L. Drska)

10:30 – 12:00 Seminar 1 : Resources for the Study of Physics of Extreme Systems
(L. Drska)

12:00 – 13:00 Computer laboratory PC-UNIX available for individual work

13:15 – 14:00 Transfer to PALS Laboratory

14:00 – 15:00 PALS Laboratory, Concepts and Results (J. Ullschmied, IPP)

15:00 – 16:00 ELI Beamlines, Project and Prospects (D. Kramer, IOP)

16:00 - 17:00 *Laboratory Visit 3 : AS CR : Institute of Plasma Physics, PALS Laboratory
(J. Ullschmied et al.)*

November 23 : Friday

09:00 – 10:30 Exotic Matter Physics with ELI Beamlines (L. Drska)

10:30 – 12:00 Seminar 2 : Research and International Cooperation at the DPE FNSPE
(R. Liska, V. Hanus)

13.00– 13.45 Final Test (L. Drska)

13:45 – 14:00 Conclusion (L. Drska)

18:00 Farewell Dinner