

ATHENS 2013 : PHYSICS OF EXTREME SYSTEMS

Course CTU18 – Autumn Term - Time Schedule (Preliminary)

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

November 18 : 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, Pt 1.* : FNSPE : Dept. of Phys. Electronics – Trojanova
(P. Kubecek, H. Jelinkova)

November 19 : 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
13:30 – 14:30 Transfer to FNSPE Troja Campus
14:30 – 16:00 *Laboratory Visit 1, Pt. 2* : FNSPE : Dept. of Phys. Electronics – Troja
(I. Richter, J. Kral et al.)

November 20 : 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 21 : Thursday

09:00 – 10:30 Lasers and Frontier Physics (L. Drska)
10:30 – 12:00 Radiation Sources Driven by High-intensity Lasers (J Nejd, IOP).
12:00 – 13:00 Computer laboratory PC-UNIX available for individual work
13:30 – 14:30 Transfer to IPP ASCR
14:30 – 15:30 *Laboratory Visit 2, Pt. 1* : Institute of Plasma Physics ASCR, Tokamak COMPASS (R. Pánek et al.).
15.30 - 16:30 *Laboratory Visit 2, Pt 2* : Institute of Plasma Physics ASCR, PALS Laboratory
(J. Ullschmied et al.)

November 22 : Friday

09:00 – 10:30 Exotic Matter Physics with High-intensity Lasers (L. Drska)
10:30 – 12:00 Research and International Cooperation at the DPE FNSPE
(R. Liska et al.)

13.00– 13.45 Final Test (L. Drska)

13:45 – 14:00 Conclusion (L. Drska)

18:00 Farewell Dinner