

ATHENS 2014 : 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
Lecture room 121*

November 17 : Monday

09:00 – 09.15 Introduction (L. Drska)
09:15 – 11:00 Preludium: Modern Physics - Lasers, Plasmas, Nuclei (M. Sinor)
11:00 – 12:30 Postmodern Physics and Extreme Systems (L. Drska)

November 18 : Tuesday

09:00 – 10:30 Physics of Extreme States of Matter (L. Drska)
10:30 – 12:00 Subpicosecond / Superstrong Field Photonics (J. Psikal, IOP)

14:00 – 15:30 *Laboratory Visit 1 :FNSPE: Dept. of Physics – Tokamak GOLEM – Remote experiment (V. Svoboda)*
15.30 – 16:30 *Laboratory Visit 2 : FNSPE : Dept. of Phys. Electronics – Laser laboratory Trojanova . (P. Kubecek, H. Jelinkova)*

November 19 : Wednesday

09:00 – 10:30 Physics of Nucleoreactive Plasmas (L. Drska)
10:30 – 12:00 Inertial Confinement Fusion and Thermonuclear Reactors (M. Kalal)

16:00 : Excursion – National Technical Museum

November 20 : Thursday

09:00 – 10:30 Lasers and Frontier Physics (L. Drska)
10:30 – 12:00 Radiation Sources Driven by High-intensity Lasers (J. NejdI, IOP).

13:30 –14:30 Transfer to IPP ASCR

14:30 – 15:30 *Laboratory Visit 3: Institute of Plasma Physics ASCR, Tokamak COMPASS (J. Mlynar).*
15.30 - 16:30 *Laboratory Visit 4 : Institute of Plasma Physics ASCR, PALS Laboratory (J. Ullschmied et al.)*

November 21 : Friday

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

13.00– 13.45 Final Test (L. Drska)

13:45 – 14:00 Conclusion (L. Drska)

18:00 Farewell Dinner