

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)
LECTURE(1) LECTURE (2)

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

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

November 21 : Wednesday

09:00 – 10:30 Physics of Nucleoreactive Plasmas (L. Drska)
LECTURE(1) LECTURE(2)

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

November 22 : Thursday

09.00 – 10.30 Lasers and Frontier Physics (*L. Drska*)
[LECTURE\(1\)](#) [LECTURE\(2\)](#) [LECTURE\(3\)](#)

10:30 – 12:00 Seminar 1 : Resources for the Study of Exotic Matter Physics
(*L. Drska*)

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*)
[LECTURE\(1\)](#) [LECTURE\(2\)](#) [LECTURE\(3\)](#)

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

13:45 – 14:00 Conclusion (*L. Drska*)

[REFERENCES](#)