

Mon 23/9

09:00 - 09:30 Introductory remarks

10:00 - 10:30 T. Ziegler: Laser and plasma diagnostics for high-power Laser experiments

10:30 - 11:00 Coffee break 1

11:00 - 11:30 Student talk 1: A. Okukura - Amplifying ultrashort high intensity laser pulses using Self Phase Modulation

11:30 - 12:30 J. Psikal: Particle-in-cell simulations of Laser-Plasma Interactions

12:30 - 13:30 Lunch 1

13:30 - 14:30 D. Lattuada: Laser-induced nuclear astrophysics - Lecture 1

14:30 - 15:00 Student talk 2: M. Beuschlein - Nuclear resonance fluorescence of ^{242}Pu

15:00 - 15:30 Coffee break 2

15:30 - 16:30 C. J. "Jerry" Yang: Nuclear physics under low-energy, high intensity frontier

Tue 24/9

09:00 - 10:00 M. Jirka: Basics of plasma physics

10:30 - 11:00 Student talk 3: I. Kuncser - The study of the $7\text{Li}(g,a)3\text{H}$ reaction for energies below 6 MeV at HIGS

10:30 - 11:00 Coffee break 3

11:00 - 12:00 T. Ziegler: Experimental optimization of different ion acceleration schemes

12:00 - 12:30 Student talk 4: T. Sebe - The electric dipole response of nuclei with $Z < 50$

12:30 - 13:30 Lunch 2

13:30 - 14:30 J. Psikal: Advanced PIC simulations and their applications

14:30 - 15:00 Coffee break 4

15:00 - 16:00 M. Jirka: Physics of laser-matter interaction

Wed 25/9

09:00 - 10:00 M. Jirka: Applications of laser-matter interaction

10:00 - 11:00 D. Lattuada: Laser-induced nuclear astrophysics - Lecture 2

11:00 - 11:30 Coffee break 5

11:30 - 12:30 J. Psikal: Laser-driven electron and ion acceleration

12:30 - 13:30 Lunch 3

13:30 - 14:30 V. Horny: On feasibility of sequential neutron captures studies with intense lasers

14:30 - 15:00 Coffee break 6

15:00 - 16:00 D. Ursescu: Ultra-intense light fields: introduction

Thu 26/9

09:00 - 10:00 D. Ursescu: Ultra-intense light fields: the HPLS machine

10:00 - 11:00 K. Zeil: Laser-driven neutrons for nuclear physics experiments: an experiment at Draco PW (online)

11:00 - 11:30 Coffee break 7

11:30 - 12:30 J. Metzkes-Ng: Radiobiological research with laser-driven ion sources (online)

12:30 - 13:30 Lunch 4

13:30 - 14:30 D. Lattuada: Laser-induced nuclear astrophysics - Lecture 3

14:00 - 15:00 Coffee break 8

15:00 - 17:00 ELI-NP facility visit

Fri 27/9

09:00 - 10:00 D. Ursescu: Ultra-intense light fields: pulses characterization

10:00 - 10:45 Student talk 5: A. Dumitru - Control of spatio-temporal correlations for experiments with synchronized laser pulses

Student talk 6: C. Alexe - Beam propagation simulations for the study of space-time coupling

10:45 - 11:30 Final coffee break