Monday 1th September 2025:

Morning
8h30-9h30: Warm Dense Matter D. Kraus (Rostock Un.)
9h30-10h15 Methods to generate WDM matter (P. Renaudin CEA)
10h15-10h30 Coffee break
10h30-12h30 Laser matter interaction, hydrodynamics, shocks S. Brygoo (CEA)

Afternoon
16h15-16h30 Coffee break
16h30-17h Introduction to the practical work A. Benuzzi (LULI)
17h-19h Practical works: "- How to measure the equation of state (VISAR interferometry
image analysis) T. Vinci/A. Benuzzi (LULI)

Tuesday 2th september 2025:

Morning
9h00-10h00: Principles of Density Functional Theory M. Bethkenhagen (LULI)
10h00-11h00 Transport properties calculations V. Recoules (CEA)
11h-11h15 Coffee break
11h15-12h15 : Density Functional Theory calculations for planetary science F. Soubiran (CEA)

Afternoon
16h15-16h30 Coffee break
16h30-19h Practical works: Molecular Dynamics Calculations M. Bethkenhagen (LULI) and F. Brieuc (CEA)

Wednesday 3th september 2023:

Morning
8h45-9h45 X-ray sources : synchrotron, XFEL and laser M. Harmand (PIMM)
9h45-11h15 X-ray scattering diagnostic D. Kraus (Rostock Un.)
11h15-11h30 Coffee break
11h30-13h00 X-rays diffraction diagnostic A. Denoeud (CEA)

Afternoon
16h15-16h30 Coffee break
16h30-19h00: Practical works: Analysis of X-ray diffraction images J. A. Hernandez (ESRF)
(ESRF)/A. Denoeud (CEA)

Thursday 4th september 2023:

8h30-09h45 Introduction to XANES and time-resolved experiments F. Dorchies (CELIA)
9h45-11h00 XANES and EXAFS experiments under dynamic compression R. Torchio (ESRF)
11h00-11h15 Coffee break
11h15-12h15 WDM experiments for planetology A. Ravasio (LULI)

Afternoon
16h15-16h30 Coffee break

16h30-19h30 Practical works: How to design a laser compression experiment:
hydrodynamical simulations with MULTI code T. Vinci (LULI)

Friday 5th september 2025 :

Morning
8h30-10h : WDM matter and inertial confinement fusion : S. Le Pape (LULI)
10h00-10h15 Coffee break
10h15-11h45 : Foams and ICF S. Le Pape (LULI)