Morning
8h30-9h30: *Warm Dense Matter* D. Kraus (Rostock Un.)
9h30-10h15 *Methods to generate WDM matter* (P. Renaudin CEA)

10h30-12h30 *Laser matter interaction, hydrodynamics, shocks* S. Brygoo (CEA)

Afternoon
16h30-17h Visible Diagnostics (SOP and VISAR) A. Benuzzi
17h-19h Practical works: "- How to measure the equation of state (VISAR interferometry image analysis) T. Vinci

Tuesday 2th september 2025 :

Morning
9h00-11h00: *Principles of Density Functional Theory for warm dense matter*
M. Bethkenhagen (LULI) and *V. Recoules (CEA)*
11h00-12h00 : Density Functional Theory calculations for planetary science To be defined

Afternoon
16h30-19h *Practical works: Molecular Dynamics Calculations* M. Bethkenhagen (LULI)

Wednesday 3th september 2023:

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

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

Thursday 4th september 2023 :

8h30-10h00 *XANES/EXAFS diagnostic* R. Torchio
10h15-11h15 Experiments with XANES diagnostic F. Dorchiès
11h15-12h15 *WDM experiments for planetology* A. Ravasio

Afternoon
16h30-19h30 Practical works*: How to design a laser compression experiment: hydrodynamical simulations with MULTI code* T. Vinci /A. Benuzzi

Friday 5th september 2025 :

Morning
8h30-10h *: WDM matter and inertial confinement fusion :* S. Le Pape
10h15-11h45 : Foams and ICF to be defined