Monday 4th September 2023:

15h50-16h00: introduction A. Benuzzi Mounaix
16h00:17h00: *Warm Dense Matter* D. Kraus
17h00-17h15 : coffee break
17h15-18h15 *WDM out of equilibrium* F. Dorchiès
18h15- 19h15 *Overview of methods to generate WDM in laboratory* P. Renaudin
19h30-20h30 : dinner

Tuesday 5th september 2023 :

7h30-8h30 breakfast
8h30-10h00 *Laser matter interaction, hydrodynamics, shock* S. Brygoo
10h -10h30 coffee break
10h30-12h30: *DFT based simulation for warm dense matter* I. Oleynik and *V. Recoules*
13h-14h Lunch

Afternoon

15h-16h *Visible diagnostics (VISAR, self-emission, reflectivity*) T. Vinci
16h-16h15 coffee break
16h15-19h15 *Practical works: Analysis of VISAR images* T. Vinci / A. Benuzzi
19h30-20h30 : dinner

Wednesday 6th september 2023:

7h30-8h30 breakfast
8h30-9h30 *X-ray sources : synchrotron, XFEL and laser* M. Harmand
9h30-11h00 *X-rays Thomson diagnostic* D. Kraus
11h-11h15 coffee break
11h15-12h45 *X-rays diffraction diagnostic* A. Denoeud
13h-14h Lunch

Afternoon

15h00-18h30: *Practical works: Analysis of X-ray diffraction images* J. A. Hernandez/A. Denoeud
17h-17h15 coffee break
19h30-20h30 : dinner

Thursday 7th september 2023 :

7h30-8h30 breakfast
8h30-10h00 *XANES/EXAFS diagnostic* R. Torchio
10h -10h30 coffee break
10h30-12h30 *WDM/planetology/geophysics* G. Morard
13h-14h Lunch

Afternoon

15h00-18h30 Practical works*: How to design a laser compression experiment: hydrodynamical simulations with MULTI code* T. Vinci /A. Benuzzi
17h-17h15 coffee break

19h30-20h30 : dinner

Friday 8th september 2023 :

7h30-8h30 breakfast
8h30-10h *: WDM and Inertial confinement fusion* S. Le Pape
10h-10h15 coffee break
10h15-11h45 : *Studies of shocked matter for industrial applications L. Berthe*
12h-13h Lunch
13h45 Shuttle for train station in Perpignan