**Monday 4th September 2023:**

Afternoon

Lesson : Warm Dense Matter

Lesson: WDM out of equilibrium

Lesson: Overview of methods to generate WDM in laboratory

**Tuesday 5th september 2023** **:**

Morning

Lesson: Laser matter interaction, hydrodynamics, shock

Lesson: *Theoretical description of WDM*

Lesson : Visible diagnostics *(VISAR, self emission, reflectivity* )

Afternoon

Practical works: Analysis of VISAR images using Neutrino

Wednesday 6th september 2023:

Morning

Lesson *X-ray sources : synchrotron, XFEL and laser*

Lesson *X-rays thomson diagnostic*

Lesson *X-rays diffraction diagnostic*

Afternoon

Practical works: Analysis of X-ray diffraction images

Thursday 7th september 2023 :

Morning

Lesson *XANES/EXAFS diagnostic*

Lesson WDM and planetology

Lesson WDM and geophysics

Afternoon

Practical works: How to design a laser compression experiment: hydrodynamical simulations

with MULTI code

Friday 8th september 2023 :

Morning

*Lesson : WDM and Inertial confinement fusion*

Lesson : *WDM and material science*