

JUAS 2025 (Course 1): The Science of Particle Accelerators

Contribution ID: 59

Type: **not specified**

Visit (ESRF)

Thursday 13 February 2025 08:15 (9h 15m)

LUNCH PROVIDED BY ESRF!

Bus departure at X:XX

- 10h00 - 10h30: Welcome coffee (Philippa Lean)
- 10h30 - 12h00: ESRF presentation (Laurent Hardy)
- 12h00 - 13h15: Lunch at the canteen (Philippa Lean)
- 13h15 - 13h30: Coffee in CTRM
- 13h30 - 14h00: CTRM (Groupe 1) + ID Lab (Groupe 2)
- 14h00 - 14h30: ID Lab (Groupe 1) + ID32 (Groupe 2)
- 14h30 - 15h00: ID32 (Groupe 1) + CTRM (Groupe 2)
- 15h00 - 16h00: Talk on diagnostics in the auditorium (Benoit Roche)
This lecture will give an overview of the Fast Orbit Feedback system. Four major topics will be discussed:
 - the origin of vibrations in the accelerator
 - the different schemes used to stabilise the electron beam for beamlines
 - the dynamics part of this control system
 - the practical realisation of such a system using advanced electronics devices.
- 16h00: Departure (back to Archamps around 17h30)

Visit of the control room (Laurent Hardy)

Visit of the ID Laboratory (Chamseddine Benabderrahman)

Visit of a beamline (ID32, Flora Yakhou 2491)

Guide groupe 1 (Benoit Joly) - Guide groupe 2 (Andrea Franchi)