Background

Educational career:

- **Undergraduate higher education :**
  - Classe Préparatoire aux Grandes Ecoles (CPGE) - equivalent to 2 years of bachelor studies in Strasbourg, France
  - Ecole d'Ingénieur Centrale Lille - Multidisciplinary engineering school in Lille, France

- **Master's degree:**
  - Master's in Engineering Physics with specialization in Accelerators, Physics and Technology at LTH in Lund University, Sweden

Experience:

- 3-month internship at ThomX accelerator at IJCLab, Orsay, France
- Participation to the I.FAST challenge at at ESI-Archamps, France

Current position:

PhD program at IFIC (Universidad de Valencia - CSIC), within the accelerators group.
Project: development of a cavity Beam Position Monitor for the ILC Main Linac

Task and impact on project and career

Secondments:

- **In November - December 2023 (WP1):**

  Get familiar with the accelerator by a firsthand participation and observation on several activities and shifts.
  - I could understand the procedures undertaken in small beam tuning and IP studies
  - I followed closely two projects focused on cavity Beam Position Monitors (cBPM)

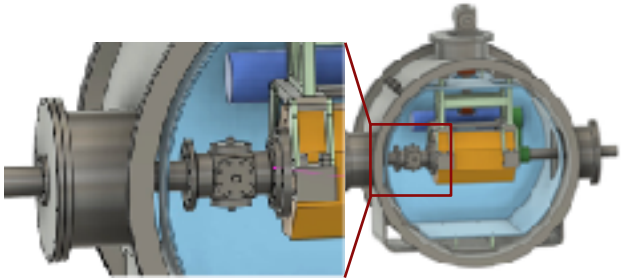
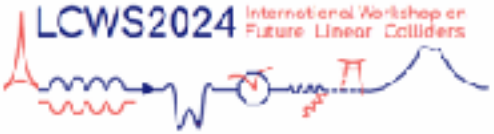


Figure: Cryostat with BPM

- **In June - July 2024 (WP3):**

  3 weeks at ATF in KEK, and one week on Tokyo, for the LCWS 2024 Workshop.
  - I prepared the field and got essential information to be able install our future cBPM at the end of the ATF linac
  - I was able to learn and use EPICS (the control system used at ATF) with Python
  - I followed closely the injection pulse for cBPM activities, allowing me to learn more about the cBPM read-out system
  - I made a presentation of the status of our cBPM study for the ILC Main Linac, and I attended many other presentations and discussions allowing me to gain a broader perspective of the field.