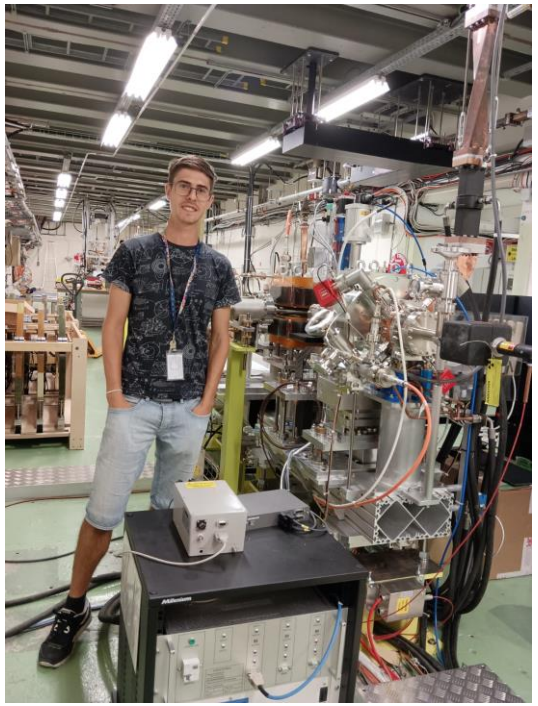
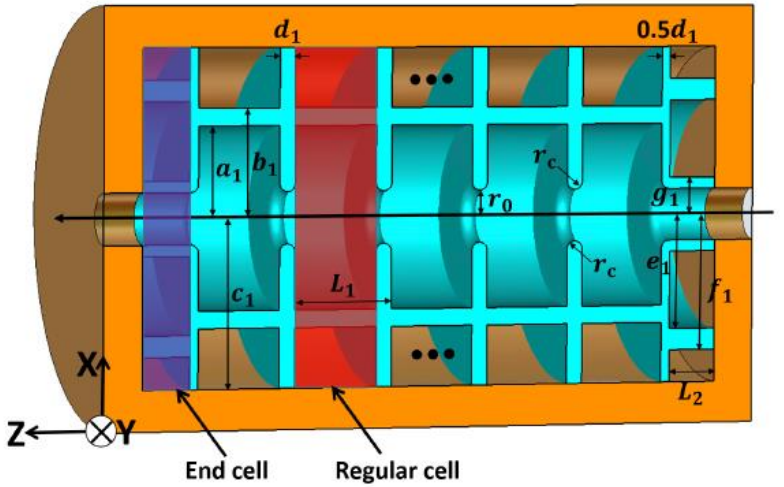


- Pablo Martínez Reviriego
- Spain
- Bachelor in Physics at University of Sevilla
- MSc in Nuclear and Particle Physics at University of Valencia
- PhD in Accelerator Physics at University of Valencia in RF cavities for hadrontherapy linacs:
- Currently: Postdoc as RF engineer at CLIC Project (CERN)

- Testing HG RF cavities

- Design of Dielectric Assist Accelerating Structures

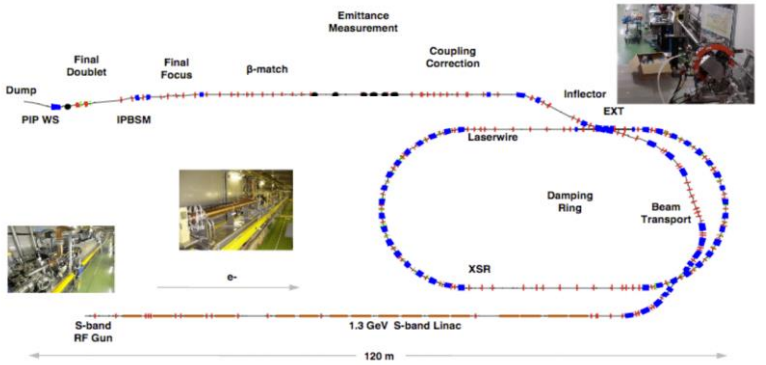
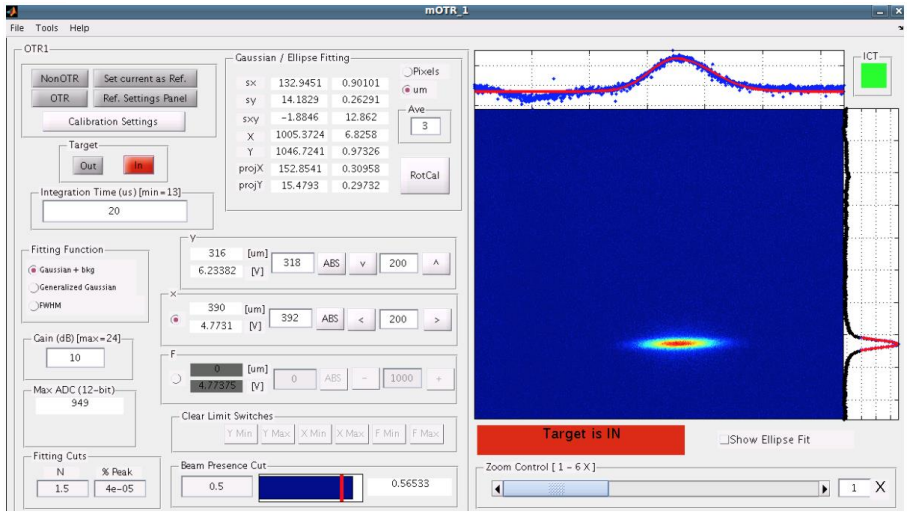
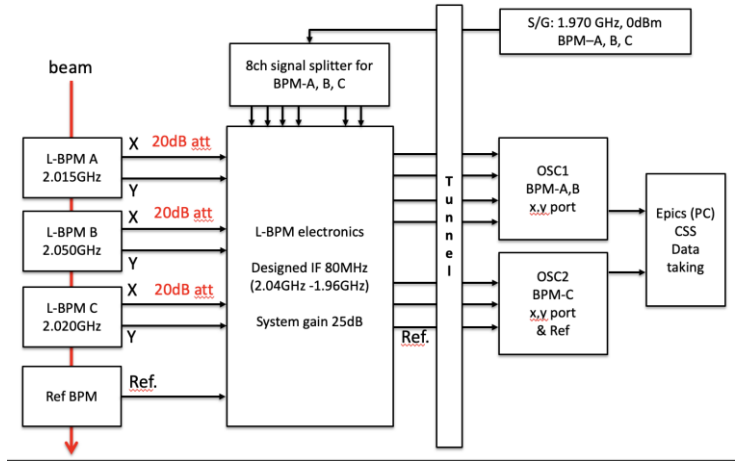


Period: 20/11/2023 to 20/12/2023

Lab: Accelerator Test Facility (ATF) at KEK, Japan.

Taks:

- Learning on small beam size tuning procedure including:
  - Beam orbit measurements with BPMs.
  - Beam orbit correction with steering magnets.
  - Dispersion correction with skew quadrupoles.
  - Measurement of beam profile with OTRs.
  - IP beam size measurements with carbon wire.
  - Beam size reduction with focus quadrupoles.
  - IP beam size measurement with Shintake Monitor.
- Cavity BPMs studies:
  - Calibration studies of the C-band BPMs with a pulse injection source.
  - Calibration and spatial resolution of L-band BPMs.

Impact:

- First experience of operation on a real accelerator in a state-of-the-art facility in an international environment.
- Involvement in many interesting projects in parallel which contributed to enlarge my knowledge and experience in the accelerator science.
- Opportunity to visit Japan landscapes and culture