Simulation plan:

- Perform the following simulation setup:

Read file with optical settings of the machine

6D beam tracking in FACET:
PLACET
ELEGANT
….

Beam parameters at E-203:
- emittances
- beam sizes
- charge
- bunch profile
- bunch length

Prediction of SPR spectrum and bunch length reconstruction:
gfw
cauchy

Benchmarking of codes in the context of FACET:
Lucretia, LiTrack and ELEGANT (G. White & M. Woodley)