

Cooling Simulation Working Workshop

The cooling demonstrator workshop will be November 5th - 7th 2025. The website is here:

<https://indico.cern.ch/event/1569430/h>

Before the workshop, we want to have a **Cooling Simulation Working Workshop** pre-meeting for hands-on discussion of the Demonstrator and other cooling simulations.

Organisation

We have a meeting room booked at INFN LASA for November 4th. Details to follow. We will likely start around 9 am and keep going until the coffee runs dry...

We will try to open a zoom call, but it may be more effective for colleagues to join us face-to-face.

Don't forget to register via the [Demonstrator workshop registration](#)

Topics

Please propose a list of topics to be discussed below. We have one day, but we will do our best to cover as much as possible. Any topics we miss can get postponed to another virtual or face-to-face discussion.

- G4Beamline installation - Chris Rogers
- G4Beamline lattice files - Chris Rogers
- Optics and optimisations - Chris Rogers
- Analysis package - Chris Rogers
- Intro to RF Track interfacing with G4BL/BDSIM - Paul Jurj and P.Desire
- Collective effects (SC/IBS) P. Desire
- Longitudinal emittance calculations and growth suppression - Taylor
- *Please add further topics...*

Feel free to add topics and your name.