

# Minutes of 9th LAGUNA-LBNO HP-PS design meeting, 06Mar2013

**Present:** Rende Steerenberg (RS), Brennan Goddard (BG), Luca Bottura (LB), Christos Lazaridis (CL), Fanouria Antoniou (FA), Javier Alabao (JA), Ilias Efthymiopoulos (IE), Antoine Lachaize (AL), Androula Alekou (AA), Angelina Parfenova (AP)

**LB** says that dipole parameters for the 50 GeV option are ok (close to the parameters of PS2). Although the values for 75 GeV are challenging we will continue working on this option.

## **Super Ferric magnets** ([talk](#))

Speaker: LB

*See summary in separate attachment*

## **Progress and next steps**

The LAGUNA-LBNO meeting in Hamburg was successful. The following talks were given during the Accelerator and Beamline Session:

**CL:** High-intensity Beams at SPS ([Slides](#))

**IE:** CN2PY Layout options ([Slides](#))

**RS:** HP-PS Design considerations and parameters ([Slides](#))

**FA:** HP-PS Ring Optics ([Slides](#))

**AP:** Beam Transfer lines for CN2PY and HP-PS ([Slides](#))

The next meeting will take place at CERN (10-12 June), where we should be able to present something on the optics and magnets iteration, collimation and RF.

**AL** will look at the RF's and chopping from SPL. Steven Hancock will provide help to **AL**, although he will not be able to attend all of our meetings.

Alexander Huschauer will work on the electron clouds.

On the collimation side, **CL** and **AA** looked at the code that Javier Barranco sent them. They will arrange a meeting with him to discuss their questions. **FA** sent them the HPPS sequence. Once they familiarise with SixTrack they will use this sequence instead of the PS2 one.

**FA** noted that there is a problematic quadrupole at the centre of the NMC (negative momentum compaction) cell on which she should focus on next. Enlarging it showed no improvement for the 75 GeV option, whereas the field goes to 1.4 T, which is acceptable, when using 70 GeV.

**IE** sent the EU project-LBNO time-sheets that need to be filled within this week.