



Non-exhaustive list of topics to discuss

- Follow-up of the RCS mini-workshop
 - All contributions available at <https://indico.cern.ch/event/1388830/timetable/#20240515>
- Magnet: geometry of the chamber, eddy currents, integration in the magnet...
- Vacuum: materials used, vacuum level requirement...
- Radiation shielding: impact of muon decay, damage from radiation, shielding options...
- Optics aspects: geometry of the chamber, impact on field quality...
- Impedance and beam stability: geometry of the chamber, materials used, RF shielding...



Outcome of discussions

- CodiMD page to easily share discussions
 - <https://codimd.web.cern.ch/UlpnsfpGSwSFR5Dh4c5d5g?both>



Additional references

- D. Amorim, [Collective effects and start-to-end simulations](#), IMCC and MuCol annual meeting 2024
- E. Kvikne, [Impedance Study of the RCS Normal Conducting Beam Pipe](#), General design meeting 27/05/2024
- E. Kvikne, [Eddy currents](#), IMCC and MuCol annual meeting 2024
- F. Boattini et al., [Resistive magnets design and analysis baseline](#), IMCC and MuCol annual meeting 2024
- L. Thiele, [RF parameters in the high energy acceleration chain](#), IMCC and MuCol annual meeting 2024
- M. Gast, [Magnet and power converter optimization](#), IMCC and MuCol annual meeting 2024