CAD Models and Drawings - Magnet Prototype (5.5m)











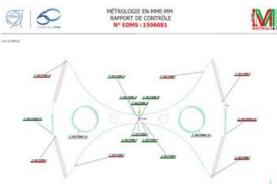
Review of the present situation 1/2

Cold mass design:

- No significant improvement since Alexandre is finishing the work on the twin aperture model
- Most of the potential issues on the long model or series magnets are expected to be intercepted and treated on the twin aperture model

 it is worth to invest time on the short model design and to work hand in hand to apply common solutions. Regular informal meeting with Nicolas and Alexandre.
- Outer yoke decreased diameter, tie rods diameter, number and location will lead to recalculate the yoke magnetically and mechanically. Alexandre promised to give his best efforts to provide a yoke cross section geometry by the end of next week.
- Discussions started on the tolerance of the fine blanking laminations. Christian Loffler received metrology files showing large deviations at the level of the "main" contact surfaces. Additional discussions, chain of dimension analysis and a trial assembly might be needed before launching the drawings for fabrication.





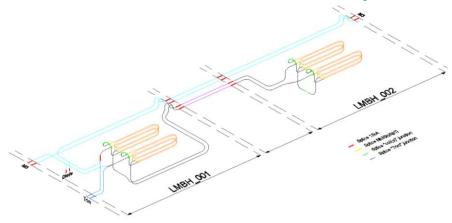




Review of the present situation 2/2

Electrical, instrumentation and protection scheme

• A power scheme is proposed, it was discussed with TE-EPC and TE-MPE. The drawing is ready to be achieved in CDD in order to clarify and stamp the base line.



• Ludovic Grand-Clément has prepared several proposals concerning the instrumentation and protection. The level of instrumentation and redundancy has implication on the capillary diameter but most of all on the cover flange design: diameter, number of pins... A quick and clear decision must be taken in order star the design of this new cover. Ludovic proposes to take this in charge once the global scheme in fixed.



