

Magnetic shielding meeting: 2013-01-23: 15:00 GMT

Conference Room 1, R1 (phone conference details circulated)

Present: PS, LF, JT, HW, MC, KL, JC, ME

1. Actions:

- **KL:** Liaise with ISIS to set up joint meeting after Christmas.
Working assumption; do meeting on 28Feb13.

2. Status of magnetic model of MICE Hall:

PS

- See slides.
- Points noted:
 - Preparations for sub-modelling meeting in hand; possibly Kiril on tracker, Melissa on racks;
 - R9 measurements and their understanding top priority when FC acceptance tests are underway. Discussion of the use of time during acceptance tests and magnetic field mapping;
 - Consider making rack with simple iron structure inside.

3. Design and detailing of West Wall, MLCR extension and Room of Requirement:

JT

- Working on drawings of West End. Document needs to be updated to reflect mods to drawings. Expect to release drawings and document for comment on Friday—two weeks lead time to CM35 in the hope of sign-off by TB at CM.

4. Partial return yokes: magnetic analysis and design

HW

- See slides.
- Points noted:
 - Confirmation that Hall Model 36 estimates larger fields at surface of racks/compressors than subsequent models. Could be to do with the meshing;
 - Have found that can make the boundary conditions on the sub-model such that the perturbation on the Hall field will be small.

5. VC and collaboration meeting presentations

All

- CM35: sent to and published by Chris Rogers.
 - Introduction – KL
 - Modelling – PS
 - Racks and MLCR – JT
 - Return yoke – HW
 - Measurements – CMacW
 - Schedule considerations – KL

6. Schedule and plans, discussion

CMacW

- No discussion this week.

7. DONM:

30Jan13; 15:00 GMT

Propose 28Feb13 for MICE/ISIS magnetic field meeting

8. AoB

- None.

Summary of actions: