

MICE Magnetic shielding meeting: 2013-07-02: 15:00 BST

Venue at RAL: TBA (phone conference details circulated)

Present:

1. Actions

- **KM:** Extract forces on the various tracker shields.
- **HW:** Recheck field in region of the cryo-coolers on the spectrometer solenoids and focus coils.
- **PS:** Organise a regular modellers get together to understand the issues in the modelling. Some or as many as possible of these will be face-to-face.

2. Magnetic model of MICE Hall: PS

3. Magnetic model of tracker cryostat KM

4. Magnetic model of racks and R9 MG

5. Stray field measurements at Wang PH

6. Partial return yokes: magnetic analysis and design HW

7. Progress on magnetic measurements and validation of model IT

7.1 Progress on assessment of substation-components JW

8. Schedule and plans, discussion CM

- Milestones:
- Field Mitigation Review: End September, week of 23Sep13?
- Review Documentation: 09Sep13
- Sections for document:
 - Introduction:
 - The issue specification – PS/CM
 - Steps taken (West Wall; Rack Room 2) - JT
 - Overview of strategy (baseline and alternative) - KL
 - Magnetic modelling of MICE Hall - PS
 - Baseline:
 - Overview - PS
 - Tracker – KM
 - Headline items from Fry list - CM
 - Cost, schedule and risk analysis – CM/KL/RP
 - Summary – KL/CM
 - Partial return yoke

- Overview - HW
- Magnetic design - HW
- Mechanical design - SP
- Implementation in the MICE Hall - JT
- Cost, schedule and risk analysis – HW/JT/RP
- Summary – JT/HW
- Recommended action – All (KL)
- Conclusions – KL
- That would mean we'll need to
 - Complete magnetic design of tracker mitigation: end July?
 - Complete mechanical design of tracker mitigation: end August?
 - Complete verification of magnetic modelling: mid July?
 - Prioritise approach to Fry list: discussion PS/CM/JW/KL
 - Complete magnetic analysis of principal items on the try list end July?

8. DONM:

02Jul13; 14:00 BST

10. AoB

- None.

Summary of actions: