

MICE Magnetic shielding meeting: 2013-05-25: 15:00 BST

Venue at RAL: CR01 R1 (phone conference details circulated)

Present: CM, CP, PS, LC, HW, MG, PH

1. Actions

- **KL:** Reviewers for shielding review in Sept/Oct:
Need to establish format of meeting. Is it full external review?
AN knows of CERN specialist, also D. Findlay replacement and A. Stevens from ISIS.
PRY engineering meeting at RAL will have to take place first and then some work from that feed into the review. Hence, review will now be around end September. Is that not too late?
- **JT, HW:** Organise meeting between S. Plate, J. Tarrant, A. Nichols et al at RAL:
See above. Steve Plate cannot make UK trip before September.
- **KM, PS:** Check direction of field at cryo turbo pumps. See autogen images or OP3 files

2. Magnetic model of MICE Hall:

PS

- See slides
- Paul now using Opera 16 as default. Showing approx 2 to 3 times improvement in solve time.
- VF won't entertain validation progress meeting at the moment as very busy. MC to chase
- MC away for 3 weeks after CM

3. Magnetic model of tracker cryostat

KM

- Not present

4. Magnetic model of racks and R9

MG

- See slides
- Melissa reappraising Wang field measurements with Pierrick
- Aim is to provide 1st pass of results using simple room model and compare to existing measurements. Will then decide value of increasing model detail and further work.

5. Stray field measurements at Wang

PH

- See above

6. Partial return yokes: magnetic analysis and design

HW

- No report

7. Progress on magnetic measurements and validation of model

IT

- Aiming to present new data next week

7.1 Progress on assessment of substation-components

JW

- Not present, N.B. some offline discussion regards how to approach this.

8. Schedule and plans, discussion

CM

- Milestones:
 - Modelling validation: Jun13; Slipping due to VF busy
 - Review of mitigations plan: Sep/Oct13; After PRY engineering meet
 - Tracker shielding plan: Dec13; Need to appoint engineering effort
 - Infrastructure and facilities shielding: Apr14.

- What jobs needs to be complete before review?

8. DONM:

4th June13; 15:00 BST

10. AoB

- None.

Summary of actions: