

# Magnetic shielding meeting: 2013-01-30: 15:00 GMT

## Conference Room 4, R1 (phone conference details circulated)

**Present:** JW, JT, CMacW, KL, HW, PS, MG, PH, MC, RP, PH

### 1. Actions:

- **KL:** Liaise with ISIS to set up joint meeting after Christmas. 28Feb13 no longer looks likely. Issue is availability of ISIS staff. Trudi Gurney (David Findlay's PA) will be in contact to try and generate a date.

### 2. Status of magnetic model of MICE Hall:

**PS**

- See slides:
- Points noted:
  - Indication from the calculations is that the compressors, MLCR, rack room 2 and the ISIS equipment rooms will see field levels that are acceptably low.

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

**JT**

- See slides:
- Points noted:
  - Deadline for comments on JT's document: final comments by Monday 04Feb13;

### 4. Partial return yokes: magnetic analysis and design

**HW**

- Comparison of OPERA and COMSOL from last week's presentation has been revised. Improvements to the OPERA model have brought the two models into agreement;
- C. Rogers has tracker through MICE with the yokes in place. This indicates that there is no significant effect on the tracking from the yoke;
- Progress on engineering work. Goals set to allow document to be prepared for CM35;
- Working on new technique to modify MICE currents to compensate for the presence of the return yoke.

### 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**

- Not yet ready to update Gantt chart since have not yet clear view of resources.
- Agree to make an iteration for the collaboration.

## 7. DONM:

06Feb13; 15:00 GMT

Propose 28Feb13 for MICE/ISIS magnetic field meeting – may be revised

## 8. AoB

- PH: Are about to cool down SS at Wang. Would like to make a consistent set of measurements for comparison with R9 studies.
  - CMacW is contact on R9 studies and will provide email with locations;
  - HW and PH will consider the magnetic modelling of the Wang situation.

## Summary of actions:

- **KL:** Liaise with ISIS to set up joint meeting after Christmas.