

MICE Magnetic shielding meeting: 2013-09-03: 14:00 BST

Venue at RAL: TBA (phone conference details circulated)

Present: CMacW, MC, IT, LF, KL, RP, HW, KM

1. Actions

- **KM:** Extract forces on the various tracker shields.
 - Stands. KM has now restarted on MICE work.

2. Magnetic model of MICE Hall: PS

- No report this week.

3. Magnetic model of tracker cryostat KM

- KM has restarted the work and is aiming at completion by the end of the week.

4. Magnetic model of racks and R9 MG

- No report this week.

5. Stray field measurements at Wang PH

- No additional information this week.

6. Partial return yokes: magnetic analysis and design HW

- Last week a meeting with S. Plate took place to decide next steps. SP will take a look at the cost of the support structure and also the full shipping cost.
- SP's visit to RAL was a success. Two issues were raised: load-bearing capability of the concrete needs to be re-assessed. There are options to strengthen the supports to implement the yoke. Tracker wave-guide routing needs to be revised. In addition, the rolling platform needs to be installed to allow movement of the experiment channel as a whole.

7. Progress on magnetic measurements and validation of model IT

- No report this week.

7.1 Progress on assessment of substation-components JW

- No report from JW, but CMacW had prepared a review of the Fry list:
 - See CMacW slides:
 - Points noted:
 - Fields in different sections of the Hall were presented. The main issue highlighted is the LH2 gas panel and Q9 PS. Other areas show manageable fields.

8. Schedule and plans, discussion CM

- **Review of status of preparation of review document**
- Milestones:

- Field Mitigation Review: End September, 23/24 Sep 13?
- Review Documentation: 09Sep13

8. DONM:

10Sep13; 14:00 BST

10. AoB

- KL suggested once more that we consider a technical publication on this work once we've got through the review.

Summary of actions: