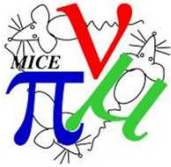




Collaboration Board at CM42 Summary

Alain Blondel

<http://micewww.pp.rl.ac.uk/projects/mice/wiki/2015-06-23-CB>



Collaboration board meeting 42

Tuesday February 2015 RAL

Rutherford Appleton Laboratory, 17:30-19:00



<http://micewww.pp.rl.ac.uk/projects/mice/wiki/2015-06-23-CB>

AGENDA

1. Presence and proxys

22 present or represented, see table

Riverside Hanson → Heidt

Sheffield Booth → Overton

LBNL U → de Mello

Mississippi Summers → Cremaldi

2. Actions and minutes from previous collaboration meeting

Minutes were approved.

3. Matters arising and Adoption of agenda

Agreed to start with preparations for data taking by Steve Boyd. Shift plan had been circulated to CB on 6 June

4. Address from PPD – Stephen Haywood

5. Spokesperson and Executive board report -- Ken Long (10 min)

6. Project Manager's report – (Preece) (10 min)

7. Preparations for Data taking and shift plan (Boyd)- (10 min)

8. Common fund status (Soler/Ricciardi) (5 min)

9. Funding updates:

UK: Soler, US: DOE (Bross)/NSF(Kaplan), INFN: Bonesini, Switzerland: Blondel, Serbia :

10. Future CM dates and organization (5 min)

11. AoB

thanks to Yordan and Paul Kyberd for taking notes!



PPD address: Stephen Haywood (I)

1. MICE will have a new project manager: Colin Whyte

WELCOME COLIN!

Roy Preece to move to Dark Matter project in DUSEL.

Roy has shown great ability: organization, ingenuity, sense of quality!
→ be on time without rushing (*festina lente*)

THANK YOU ROY!

2. **MICE has been in the red for many years**, now large pieces of equipment have arrived on site and being installed. Have move to **orange** and even **green** for one month (*SH seemed surprised himself*)



PPD address: Stephen Haywood (II)



On a rather bureaucratic note:

We are **VERY** sensitive to the requirements of the **UK Boarder Agency** concerning **visas** ... their rules may seem batty to us, but we do not have a choice, we must comply.

The consequences of not complying could be very painful, not just for Mice, but for other RAL activities, such as **ISIS** or **DLS**.

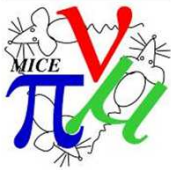
All international visitors should be very careful when planning to visit RAL, and even more so if they plan to **work** on Mice while here.

Unauthorized people can cause huge problems, not least of all for **Debbie** who has to untangle the mess.

If you have a **Tourist Visa**, you are not permitted to work at RAL. Please do not "sneak" people onto the site.

Do engage **Debbie** to understand what you need to do, and do not leave it to the last minute. Debbie.Loader@stfc.ac.uk

NB EU nationals do not need visas and are authorized to work at RAL provided they are registered **MICE** users. **Do contact Debbie** if you are not **sure**.



OPERATIONS AND SHIFT PLAN

MICE Shift Proposal
S.Boyd, 11/5/2015

As proposed in S. Boyd presentation on tuesday

This document presents the proposed algorithm by which shifts will be allocated during the operation of Step IV. The proposed arrangements were agreed by the Executive Board on the 8th May 2015.

Shift Model



Current CHEESE list : 63 shifters

Cycle	Days	Shifts / day	Shifts	# Maintenance Days per week	# MOM Shifts		
2014/03	10	4	40		18		
2015/01a	36	3	98	1	Shift credit for One MOM Shift		
2015/01b	10	6	58		0		
2015/02	39	6	224		#MOM Shifts		
2015/03	45	6	258		0		
2015/04	45	6	258		0		
Total Experimental shift			936		Total Shifts		
# shifts / person					14.8571428571		
# shift blocks / person					2.9714285714		
Institute	Scientists	RA + Students	MOMs	Total	Shifts / Institute	Shift Blocks per Institute	Shift blocks per active shifter
Belgrade	2	2	0	4	59.43	12	3.0
CERN	0	0	0	0	0.00	0	0.0
IHEP	1	1	0	2	29.71	6	3.0
Osaka	0	0	0	0	0.00	0	0.0
Sichuan	1	0	0	1	14.86	3	3.0
Brookhaven	1	0	0	1	14.86	3	3.0
DL	0	0	0	0	0.00	0	0.0
Iowa	1	0	0	1	14.86	3	3.0
LBNL	2	0	0	2	29.71	6	3.0
Liverpool	1	0	0	1	14.86	3	3.0
Milano	1	0	0	1	14.86	3	3.0
Napoli	1	0	0	1	14.86	3	3.0
NIKHEF	1	0	0	1	14.86	3	3.0
Oxford	1	0	0	1	14.86	3	3.0
Pavia	1	0	0	1	14.86	3	3.0
Imperial	4	4	0	10	118.86	24	3.0
RAL	1	0	2	2	14.86	3	3.0
Riverside	1	1	0	2	29.71	6	3.0
Roma	2	0	0	2	29.71	6	3.0
Glasgow	1	1	1	3	29.71	6	3.0
Sofia	2	1	0	3	44.57	9	3.0
Mississippi	3	0	0	3	44.57	9	3.0
Sheffield	1	1	2	4	29.71	6	3.0
Geneva	1	2	1	4	44.57	9	3.0
Strathclyde	1	3	0	4	59.43	12	3.0
Warwick	1	2	1	4	44.57	9	3.0
Brunel	1	2	1	4	44.57	9	3.0
IIT	3	2	1	6	74.29	15	3.0
Femilab	2	3	1	6	74.29	15	3.0
				74			
					Total Blocks	189	
					Total Shifts	945	
					Shift Imbalance	-9	

discussion followed



Shift Model

THE UNIVERSITY OF
WARWICK

- ▶ One 8 hour shift per day during Cycle 2015/01a with “reserve” shifter
- ▶ Three contiguous data-taking shifts per day from Cycle 2015/01b
- ▶ MOMs do not do experimental shifts & are not counted in the “active shifter” list
- ▶ Experimental shifts allocated to institutes on the basis of the number of active shifters at each institute
- ▶ active shifters must fulfill at least half their allocated shift load
- ▶ shift sign-up will open for academics and scientists one week before general signup
- ▶ informal person-to-person shift block transfers or swaps are allowed although any change must be registered on CHEESE.

CB endorsed proposal by 16 votes in favour and 6 abstentions.



10. Future CM dates and organization

confirmed:

- CM42 at RAL 22nd to 26th June 2015
- CM43 at RAL 29th to 31st October 2015 ← this has changed.

provisional:

- CM44 15th to 19th February 2016
- CM45 20th to 24th June 2016
- CM46 3rd to 7th October 2016

Safety

- Although the construction project for Step IV will finish shortly, hard hat and safety shoe policy will continue to be enforced – trip and fall hazards are by far the most likely accident cause
- Larger and more diverse shifter population, safety, training rules unchanged:
 - STFC safety induction
 - MICE Hall induction
 - ISIS user induction
- Generally, the constructional hazards are retired, but vigilance still required during controlled access and PPS searches
- As we are moving into a period where commissioning of equipment is starting
 - Assume that power is to equipment
 - Check with the system owner before attempting any changes to kit
 - Gauges and sensors should not be un-cabled without asking the system owner.
 - Never open rack doors without the permission of the system owner or electrical responsible person

Roy Preece, PM report



Science & Technology
Facilities Council



From Spokesperson report(I)



1. Operations and step IV

- great progress but many details!
- cooling magnets now!
- transition from construction to operations
- delicate but great constructive spirit!

- misalignment noted in magnetic channel (see J. Cobb's talk)
 - Measure with tracks;
 - Require to design and manufacture bespoke bellows if we are to correct an effect at the level indicated (nearly 1 cm)



From Spokesperson report (II)

OPERATIONS

Excellent progress:

CB and KL join in congratulate S.Boyd, MOMs, shifters, experts, op team

Issues:

Availability of experts on site:

A number of system experts are remote (I include s/w&c in this);

Ask CB members to be sympathetic to need to bring experts to the laboratory

Software, calibration/geometry, processing and analysis:

Need to bring feedback from reconstructed/analysed data back to operations team much more efficiently



From Spokesperson report (III)

Steps to revise the MICE constitution

The MICE Constitution

Report to the Spokesperson by the ad hoc Panel set-up by the Spokesperson to consider possible changes to the organisation of the MICE Experiment

June 2015

- issues: present constitution dates from
PJDornan, 2004
- does not include MIPO, MEMO etc.
 - some other obsolete or improvable features

Gabriela Catanesi (CERN)
John Dainton, Chair (University of Liverpool)
Steve Geer (Fermilab)
Yoshitaka Kuno (Osaka University)

Process:

- EB will discuss document
- and propose course of action
- last word to collaboration board
- hope to converge by october'15 CM

-- situation largely unchanged since last CB meeting

-- new or upcoming facts

UK request for cooldemo step (Soler)

UK grant for MICE ends in 2016. Apply to extend.

STFC asks for "Cost to completion review" early 2016

Bridge funding period is expected.

-- construction (complete in 2017)

-- running (complete in 2018)

-- analysis and publications (~1 year...)

Serbia now able to benefit from EUCARD2 TNA@RAL (Maletic)

will apply for local funding early 2016

Chinese student will come at RAL to take part in STEPIV for 1 Yr

More discussions to take place on EU funding

(Training Network and possibly COST)



CB chair



The present collaboration board chair was elected on 7 November 2013
-- this is a one-term mandate.

We will be looking for a new chair to be elected in October'15
-- and taking office afterwards

- call for nominations
- election at CB meeting in October



The collaboration board expressed its appreciation and gratitude to

ROY PREECE

following Paul Drumm and Andy Nichols
for bringing the experiment at the exciting place it is now.

and welcome COLIN WHYTE with whom we look forward to work.

And congratulated to all MICE for great progress

→ Let us be cool, and work **efficiently**, **carefully** and **safely**