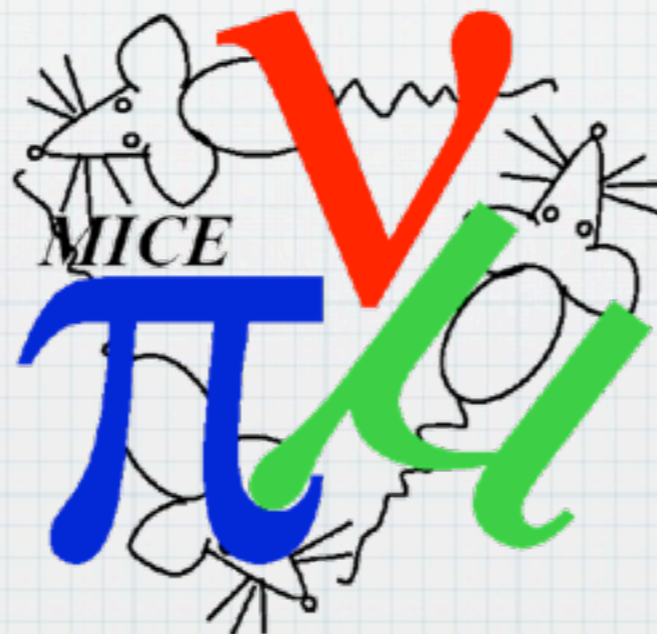
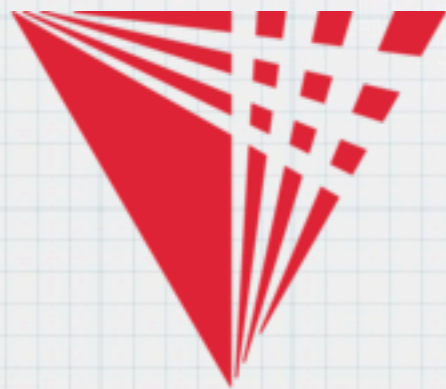


Collaboration Board Summary

Yagmur Torun - IIT/FNAL
Oct 31, 2011 - MICE cm31 - Ole Miss



Agenda



Saturday, October 29th , 2011

Agenda:

- | | | |
|---------------------------------|-----------|-------|
| 1. Approval of minutes | Booth | 5 min |
| 2. Spoke's remarks & EB report | Blondel | 15 |
| 3. PM report | Nichols | 15 |
| 4. Muons Inc. resignation | Bross | 5 |
| 5. UK approval/financial status | Long | 15 |
| 6. Common Fund | Long | 5 |
| 7. CB Chair | Bross | 5 |
| 8. NSF Update | Ha/Ka/Su | 5 |
| 9. SB report | Palladino | 5 |
| 10. Winter CM & future CM dates | Palladino | 5 |
| 11. AoB | | |



SpokesMouse and EB Report - Blondel

Nominations

- Alan Bross agreed to take on task of Deputy spokesperson
Agreed by CB by email consultations
- Gail Hanson doing very well as Schedule coordinator
- Stewart Greenhall new Hall manager
- Steve Watson will take over from Matt Hills
- I will cover for a while the analysis meetings convenership
... until a younger person grows to it



MOMS

SpokesMouse and EB Report - Blondel

the following people have been polled for MOM rota (no particular order)

Yagmur Torun

Daniel Kaplan

Gail Hanson

Alan Bross

Linda Coney

Pavel Snopok

Paul Hodgson

Paul Smith

Yordan Karadzhov

Chris Rogers

Victoria Blackmore

Henry Nebrensky

Pierrick Hanlet

Ray Gamet

David Colling

Paul Soler

Giorgio Cecchet

Galina Vankova

Roumen Tsenov

Adam Dobbs

Did I overlook someone who would be happy to be MOM?

Please let me know by email



SpokesMouse and EB Report - Blondel

Selected Issues

-- presence at RAL of MICE collaborators is important! --

- support by TNA of EU (non-UK) collaborators works well
- point was raised at FAC of possible support by RAL for US and Japan collaborators. Womersley promised to look into it. So did Dave Wark. Item in progress.
- manpower in software and online (system administrator) is needed, as well as in the general maintenance of our information system.
Students are very important (and part of our mission!)
but some experience is needed (nice to see Beuselink in MICE)



SpokesMouse and EB Report - Blondel

-- We are making good progress in the spectrometer solenoid, AFC, LH2, hall infrastructure etc...

→Foresee start of step IV beam commissioning in Q4 2012

This will be intense (and interesting!) installation and commissioning work followed by (at least) 100 days of running over 6 months



SpokesMouse and EB Report - Blondel

-- Coupling Coils

Much progress ! (first coil, cryostat...)

How to proceed with construction of the coupling coil is still unknown

-- This is the elephant in the MICE-house.

When can we have a valid scenario → (CM32) → MPB

a fully developed plan?



SpokesMouse and EB Report - Blondel

MICE FAC meeting 15 July 2011 Main points

Common fund:

The Common Fund is part of the STFC budget, but is ring fenced. If there is a surplus, STFC would hold onto it until it was required.

ACTION: STFC and Collaboration

There is no intention to increase the levy but it is important that the potential demands on the fund are properly understood. More detail on this should be provided to the FAC.

The reserve should be clearly identified and further information on the need for a buffer should be provided

ACTION: Collaboration



SpokesMouse and EB Report - Blondel

MOU

The Committee were advised that a revised document would be circulated and everyone would be asked to look at the document and provide comments by September. Professor Blondel thanked Mrs Jamieson for her work on the MoU.

ACTION: STFC

8

CJ has been advised of our comments and will be circulating the MOU for signatures soon - be prepared!



SpokesMouse and EB Report - Blondel

MICE paper authorlist

We need a consistent policy for whom to include as authors in the MICE papers

This is traditionally the occasion of lively discussions.

First paper 'beam line paper'

Should be inclusive of all people who

- wish to sign
- have contributed to MICE since a rather generous cut-off date
- what cut off date?

suggest 25-10-2001 (first MICE collaboration meeting)

or April 2005 (approval of experiment by PPARC and CCLRC) ?



SpokesMouse and EB Report - Blondel

From the MICE constitution

Editorial

Board

This body approves publications from the Collaboration. Two types of publications are foreseen.

Collaboration Publications

These publications are issued as 'MICE Collaboration' publications and it is expected that **all active members of the collaboration will sign**. All analysis results from the experimental data are expected to be in this category as are descriptions of the experiment as a whole and its performance. These must be approved by the Editorial Board.

Limited Publications

Publications by a limited number of members of the collaboration concerning e.g. the construction and performance of specific subcomponents of the experiment. They are not issued as 'MICE Collaboration' publications, however it is recommended that these papers are also submitted to the Editorial Board for approval so that the management is aware of them and can advise of any possible conflicts with other members that might occur.

Do we need to be more precise on this?

→ Need to keep an up-to-date collaboration list!

+ No common fund no signing

PM Report - Nichols



Intensive work on H2 system, floor plates, etc.

Need more people (with the right skill set at the right time)

>> detailed week-by-week plan to be worked out by new hall manager to help figure out what help is needed when

H2 test imminent (Dec/Jan)

[pre-op safety review Oct 4]

>> need operator training (Watson, Courthold, MOMs, etc) since hall mode/safety regime will change (schedule to be worked out)

Muons Inc.

- * Victim of their success in SBIR grants
- * Tom Roberts has no time to devote to MICE
- * No other members available/willing to contribute
- * Resigned from collaboration last week

Proposal timeline:

- **27Sep11: UK proposal - Long**
 - Open letter to John Womersley as chair of Accelerator Strategy Board (ASB) explaining timeline for expiry of present approval and the UK collaboration's intention to bring forward a Statement of Interest (Sol) in time for it to be considered at the February meeting of the ASB
- **Proton Accelerators for Science and Innovation:**
 - Submitted a Sol 31Jan11:
 - Broad programme of accelerator R&D for future proton-accelerator based facility;
 - Included UK contributions to the completion of MICE
 - ASB feedback:
 - “The Board therefore recommended that you should submit three separate proposals concerning MICE, FETS and generic high power target work.”
 - “The proposals for MICE and FETS should give the cost and schedule to completion of each project.”
 - Submission of proposal Jun11:
 - Proposed completion of MICE in line with the best understanding of the schedule at that time;
 - On the insistence of the OsC and the SPO, a flat funding scenario was also included:
 - And the unacceptable consequences (extended timeline, large integrated cost) were emphasized

Accelerator Peer Review Panel

- **15—16 Aug 11:**
 - **UK proposal - Long**
 - **Presentation of proposal (Paul Soler)**
 - **Extended grilling on details**
 - **Each attended by UK work-package managers and Alain Blondel**
- **Feedback from APRP:**
 - **See previous slide:**
 - **Feedback from APRP considered by ASB in Sep 11**
 - **Expected ASB recommendation:**
 - **Nothing official;**
 - **“Flat cash” until experiment complete;**
 - **Review after implementation of Step IV complete**

- **New RAL Director of Particle Physics Department, D. Wark, has constituted a MICE group within PPD:**
 - **KL (group leader), Rose Hayes, Roy Preece, Stephania Ricciardi, Mary-Elizabeth Shewry**
- **Goals:**
 - **Build strong local “physics” activity to match the already-strong engineering activity within Technology Department**

Common Fund - Long

Income and expenditure:

MICE Common Fund summary sheet							
Financial year	Institute	Income				Expenditure	
		Cash		Contribution (£k)		Category	£k
		Invoiced	Received	Value	In kind What?		
2011/12	BG Sofia			15		MICE- USER SUPPORT COSTS	6.6
	CN ICST Harbin					MICE UTILITIES, INFRASTRUCTURE SERVICES	54.8
	IT Milano			3		MICE TECHNICAL SUPPORT	
	Napoli			3	HV System for upstream part of MICE PID detector	MICE BEAM LINE OPERATION AND MAINTENANCE	0.6
	Pavia			3	system	MICE OFFICE FACILITIES	
	Roma III			3		MICE ELECTRONICS, DAQ CONSUMABLES	4.9
	JP KEK	3					
	Kyoto		3				
	Osaka	3					
	NL NIKHEF	3					
	CH CERN			3			
	Geneva			6			
	UK Brunel	6					
	Cockcroft/Lancaster	3					
	DL						
	Glasgow	3					
	Imperial	18					
	Liverpool	3					
	Oxford	9					
	RAL	6					
	Sheffield	12					
	Warwick	3					
	US DOE labs:						
	BNL			3			
	JLab			3			
	LBNL			6			
	Fermilab			6			
	IIT			3			
	IIT/FNAL			3			
	IIT/FNAL			3			
	Mississippi			6			
	UCLA						
	Muons Inc.	3					
	NSF labs and universities						
	Illinois Institute of Technology	3					
	Iowa			3	FF Control and Power Distribution hardware		
	Mississippi	3					
	New Hampshire	3					
	University of Chicago			6			
	UCRiverside	6					
	Total	90	51	30		Total	66.9

Breakdown of MICE utilities, infrastructure

Currency Code : GBP						
Project Number	Project Name	Currency Code	Primary Customer Name	Resource Type	Cost	Raw Cost
STAK00014	Muon Ionisation Cooling Experiment (MICE)	GBP	Viglen	Computer Hardware	7,826.40	7,826.40
STAK00014	Muon Ionisation Cooling Experiment (MICE)	GBP	Viglen	Computing Consumables	446.4	446.4
STAK00014	Muon Ionisation Cooling Experiment (MICE)	GBP	A Napper RAL Stores	Freight & Packaging	108	108
STAK00014	Muon Ionisation Cooling Experiment (MICE)	GBP	Kier for C Macwaters	General Building Maintenance	380.23	380.23
STAK00014	Muon Ionisation Cooling Experiment (MICE)	GBP	C Macwaters	GPC Sundry Expenditure	2,630.96	2,630.96
STAK00014	Muon Ionisation Cooling Experiment (MICE)	GBP	M Hughes Apl 2011	Labour	78.15	78.15
STAK00014	Muon Ionisation Cooling Experiment (MICE)	GBP	CFES Lts Aug 11	Mechanical & Electrical Maint	2,969.10	2,969.10
STAK00014	Muon Ionisation Cooling Experiment (MICE)	GBP	Unspecified	Miscellaneous Charges	-165.11	-165.11
STAK00014	Muon Ionisation Cooling Experiment (MICE)	GBP	August	Other Bought In Services	-791.73	-791.73
STAK00014	Muon Ionisation Cooling Experiment (MICE)	GBP	City Link x 3	Postage and Courier Services	90.38	90.38
STAK00014	Muon Ionisation Cooling Experiment (MICE)	GBP	Linde Cryogenic multiple	Research & Scientific Equip	41,235.46	41,235.46
STAK00014	Muon Ionisation Cooling Experiment (MICE)	GBP	A Lintern	Research Consumables	77.49	77.49
STAK00014	Muon Ionisation Cooling Experiment (MICE)	GBP	Ridgeway 24 June 2011	Usages (STFC)	87	87
STAK00014 Total					54,972.73	54,972.73
Grand Total					54,972.73	54,972.73

- Large item: servicing of Linde refrigerator before running at the start of the year

Common Fund - Long

NSF Update



- Submitted Collaborative Proposal to NSF Sept. 30, 2009 (IIT, Mississippi (subaward to Iowa), U.C. Riverside (subaward to U. of New Hampshire), U. of Chicago (new))
- Received funding recommendations on March 22, 2010:

<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Total</u>
\$326k	\$386k (NO plus)	\$426k plus	\$1,138k plus

- Received funding at end of August 2010, right after the MAP Review – grant started September 1, 2010
- This meant that U.C. Riverside was unfunded for five months, during MICE summer 2010 running.
- Annual report was been submitted and approved – Year 2 funding arrived in late July.

Other

- * Minutes from cm30 approved
- * CB chair: A. Bross >> Y. Torun
- * Presentations will be posted on CB site