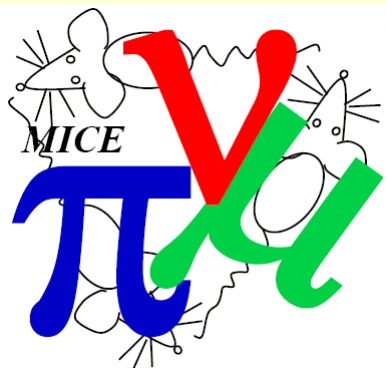


# Collaboration Board Report

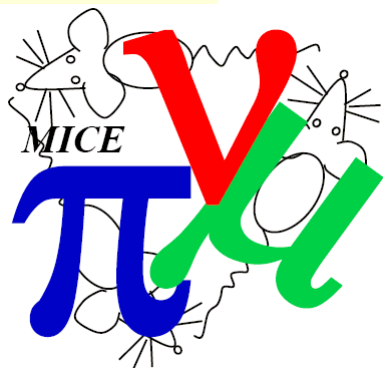
Chris Booth  
March 2016



**Collaboration Board Meeting 44**  
**17:30-19:00 Thursday 31<sup>st</sup> March 2016**  
**Milton Hill House**

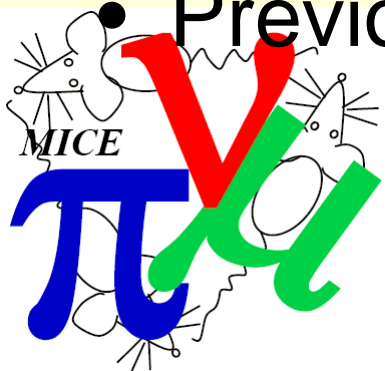
**DRAFT AGENDA**

1. Proxies and apologies for absence
2. Minutes from previous collaboration meeting
3. Matters arising and adoption of agenda
4. Spokesperson and Executive Board report – K. Long
5. Project Manager's report – C. Whyte
6. Update of the MICE constitution -- C. Booth
7. Common fund status and proposal – K. Long/P. Soler/S. Ricciardi
8. Funding updates:  
UK: P. Soler,  
US: DOE (A. Bross, M. Palmer)/NSF(D. Kaplan),  
INFN: M. Bonesini ,  
Switzerland: A. Blondel  
...
9. Future CM dates and organization (5 min)
10. AoB



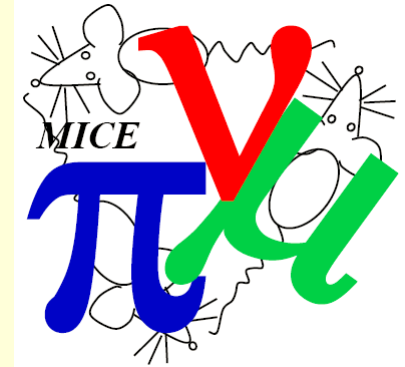
# Procedural Matters

- First meeting as Chair:
  - Thanks to Alain Blondel, previous chair
  - Thanks to Paul Kyberd, as secretary
- Proxy for Roma III; several “deputies”
- Quorum established
  - 19 of 27 institutes represented
  - (including phone participation)
- Previous minutes approved, agenda adopted



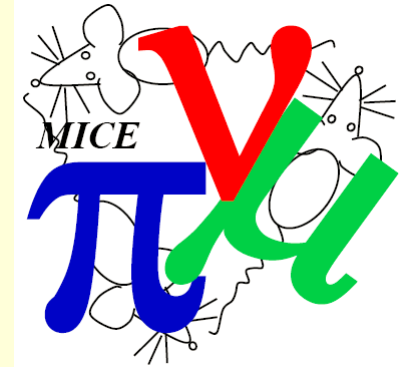
## EB Report – Ken Long *Highlights*

- MC Production Manager:
  - D. Maletic, Belgrade
- Step IV data taking underway
- Issues:
  - Recovery of SSD(M1) – see M Palmer today
  - Refit of SS QD/QP systems – see S Griffiths talk
  - Liquid-hydrogen system – see V Bayliss talk
  - Data processing:
    - Geometry, alignment, calibration
  - MC processing:
    - Efficiency of generation, speed of execution<sub>4</sub>



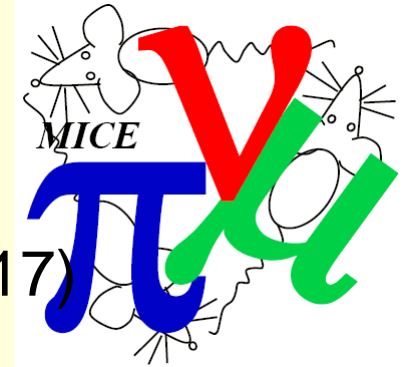
## EB Report (2)

- Cost, risk, schedule:
  - STFC and DoE remain committed to delivering cooling demo
  - Solution must satisfy resource & schedule constraints
- STFC MICE-UK Oversight Committee:
  - UK collaboration asked to present:
    - “Full cost”, flat+10%, flat and “less than flat” cash options
    - Less than flat cash should not extend beyond flat-cash in time



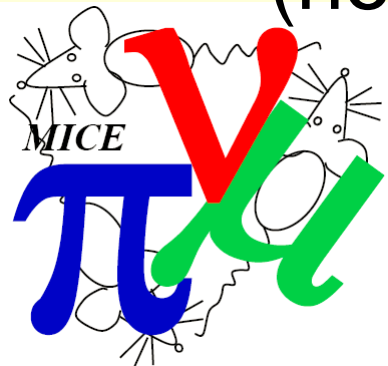
## Project Manager's Report – Colin Whyte

- Step IV Schedule
  - Data taking to end 2016 (possibly March 2017)
  - DS repair, Cooling water mods, QD/QP, H<sub>2</sub> system, Magnet re-alignment: **see previous talks**
- Cooling Demo
  - Baseline schedule presented
  - Options for Cooling Demo:
    - Full Cost
    - Flat Cash + 10%
    - Flat Cash
      - Flat cash + 1RF power system / Stop at Step IV
  - Flat cash increases integrated costs
  - Schedule and risks discussed



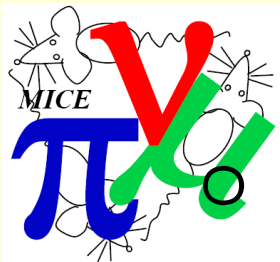
# Update of Constitution

- Revision drafted by R Tsenov, D Kaplan & CNB
- Updated to include present MICE bodies
- Presented to EB
- After discussion, new draft approved with:
  - names of MIPO, MEMO restored
  - term of CB chair remains fixed at 2 years (non-renewable)



## Common Fund – P Soler

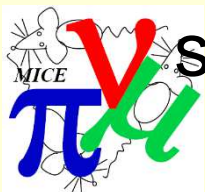
- 15-16 census: 66 PhD equivalent members
  - Invoices for £162k cash + £36k in-kind
    - Bulgarian in-kind contribution to be defined
  - Request from US team to include cryogen commissioning costs in CF (~£179k)
    - (2014 “Assumptions” document states commissioning costs responsibility of supplying group)
    - Lengthy discussion considered:
      - Impact of burden on US SSD recovery work
      - Expectation of much lower future cryo costs
      - Underspend of CF in recent years but historic total overspend
- US request was agreed





# Funding Updates

- UK: Cost to Completion review 26<sup>th</sup> April, to cover 4 years. Preparing documents.
- US: DoE clear ramp-down must proceed. SS recovery means no carry-over. No further investment after ~18 months.  
Expect NSF funding will also cease.
- INFN: Current funding to continue to 2017. Further discussion required for future.
- Gva: Funding request for 2 years; result in September.
- China (via Ken): 3 engineers, 1 accel. scientist + student here for periods of 3-4 months each year.



# Future collaboration meetings:

- 2016:
  - CM45 28th to 30th July 2016 [LBNL]
  - CM46 03rd to 07th October 2016
- 2017:
  - CM47 13th to 15th February 2017
  - CM48 26th to 28th June 2017
  - CM49 2nd to 4th October 2017

