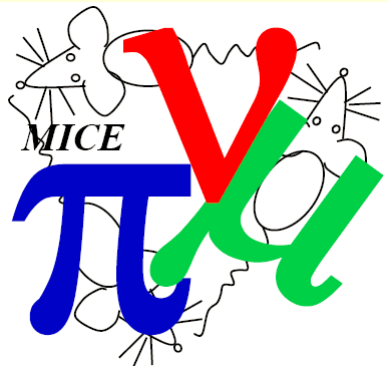


# Collaboration Board Report

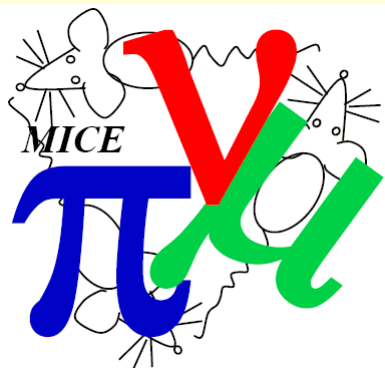
Chris Booth  
October 2017

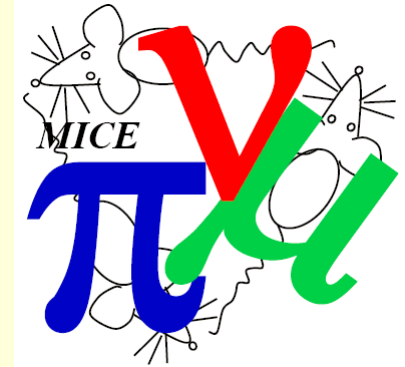


**Collaboration Board Meeting 49**  
**17:00-18:30 Tuesday 3<sup>rd</sup> October 2017**  
**Rutherford Appleton Laboratory**

**DRAFT AGENDA**

1. **Proxies and apologies for absence**
2. **Minutes from previous collaboration board meeting – P. Kyberd**
3. **Matters arising and adoption of agenda**
4. **Announcement – C. Booth**
5. **Spokesperson and Executive Board report – K. Long**
6. **Project Manager's report – C. Whyte**
7. **Operations and Shifts – S. Boyd**
8. **Election of next Collaboration Board Chair – C. Booth**
9. **Common fund status and levy for 2017 – P. Soler**
10. **Funding updates:**
  - UK: P. Soler,**
  - US: DOE (A. Bross, M. Palmer)/NSF(D. Kaplan),**
  - INFN: M. Bonesini ,**
  - Switzerland: A. Blondel**
  - ...
11. **Future CM dates and organization**
12. **AoB**

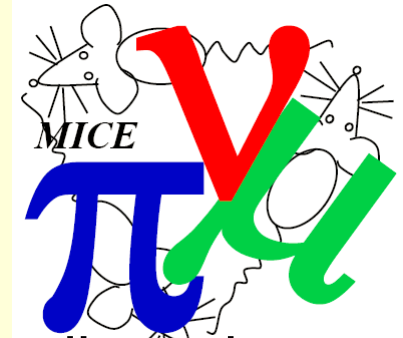




## Announcement

- Congratulations to Ken on his appointment as Director of the Centre for Clinical Applications of Particles, at Imperial College.
- All were pleased that he was happy to continue as Spokesperson, and no-one felt there was a conflict of interest which would impede him leading the collaboration.

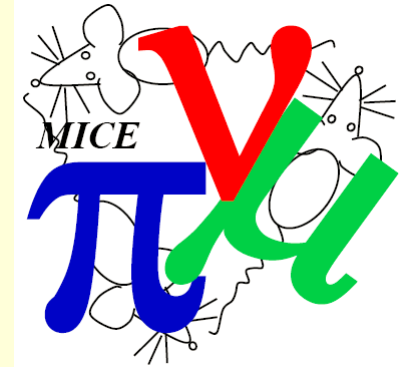
# Spokesperson/EB Report – Ken Long



- EB Activities:
  - Personnel – E Overton’s responsibilities distributed.
  - Thanks to S Boyd for operation & shift coordination.
  - Tracker software rolling review almost complete; ToF software review initiated.
- Step IV
  - Run plan revised for longer H<sub>2</sub> filling; commission M2D end of this week.
  - Will not complete all scattering measurements.
  - About to make case to funding agencies to use cycle 2017/03.
  - Collaboration confirmed support for this and commits to providing shifters & experts to allow operation.

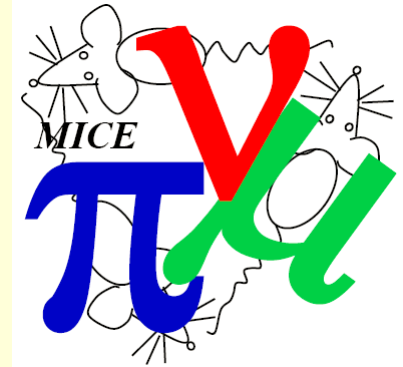
## Spokesperson's Report continued

- Cooling Demo, Protvino:
  - K Long visited in August.
  - Operation of MICE there looks possible.
  - Political considerations – wish for strong CERN commitment.
- Resources:
  - E Overton (DAQ & Tracker DAQ) – cover by D. Rajaram, M. Uchida, P. Kyberd, D. Adey.
  - SS support – thanks to US collaborators.
  - LH<sub>2</sub> – expert support from team at RAL.
- Papers:
  - Several in progress, some still need lead authors.



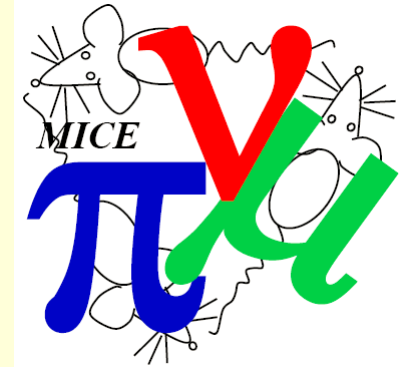
## Spokesperson's Report continued

- Next International Review in March:
  - To include “lessons learned”.
  - Communicate thoughts, issues etc. to Ken.
- Future Collaboration Meetings:
  - Week of 26<sup>th</sup> Feb – 2<sup>nd</sup> Mar 2018
  - Week of 25<sup>th</sup> – 29<sup>th</sup> Jun 2018
  - Week of 8<sup>th</sup> – 12<sup>th</sup> Oct 2018
  - Should the format be different, shorter plenary, more workshops?



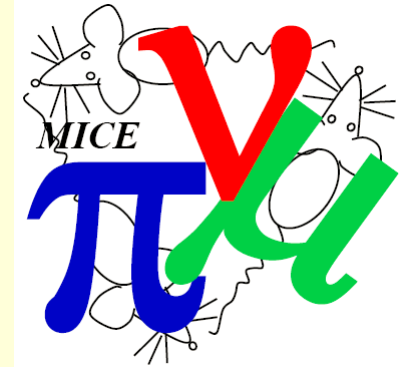
## Project Manager's Report – C. Whyte

- Liquid H<sub>2</sub> system:
  - Safety approval obtained.
  - Leaks fixed.
  - Cooling slower than expected.
  - Now “satisfyingly boring”.
- Trackers:
  - Cryostat cold-heads refurbished.
  - Recalibration in progress.
- Superconducting magnets:
  - Smooth run-up for data taking.
  - SSD M2 ramp-up on Thursday.



## Project Manager's Report continued

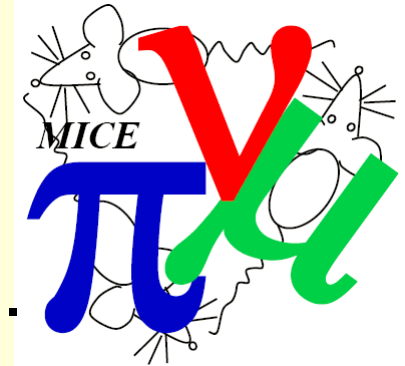
- Data taking:
  - All shifts full (after visa problem!).
  - Need more BLOCs.
  - Effective data taking.
  - Future schedule for H<sub>2</sub>, magnets & magnet experts presented.
  - 2017/03 may be financed by underspend on DL electrical work plus sale of tetrodes to ISIS – but will require staffing discussion with PPD & TD.





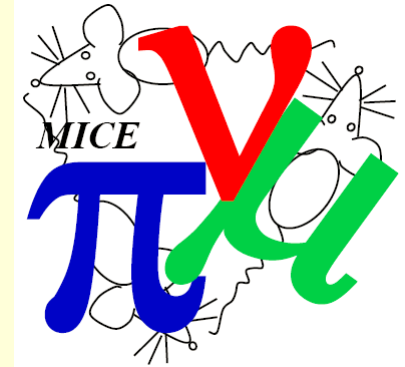
## Operations – P. Franchini

- Cycles 2017/01 and 2017/02 summarised: LH<sub>2</sub> solenoid & flip modes.
- Alarms – A. Kurup identified & suppressed transient alarms. Alarms are now real! (But still some limits to adjust.)
- Tracker calibration – big improvement in on-line plots.
- Thanks to MOMs & BLOCs (but still BLOC slots to fill).



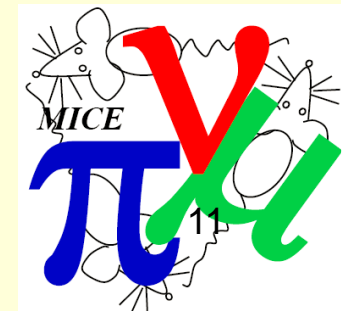
## Next CB Chair

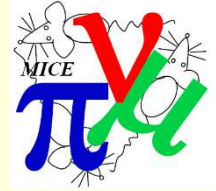
- Institutes polled for nominations.
- 6 names put forward.
- After some thought, 5 nominees decided not to stand.
- **P. Kyberd stood unopposed, elected unanimously!**
- Takes over at next CM.



## Common Fund – P. Soler

- '16-'17 census reported last CM: 57 members => £171K expected income.
- Division £135K cash + £36K in kind.
- South Korea's payment due Jan. 2018.
- China & Switzerland payments outstanding.
- Question of Common Fund for next year to be discussed at next CM.





# Funding Updates

- UK: Post-Doc nominally to end 30<sup>th</sup> June '18;  
Students will continue to 2020.
- US: FNAL selling superconductor to fund people;  
Mississippi & IIT “no cost” extension to Sep. '18.
- INFN: Experiment considered finished in 2017;  
40-50% funding for extra year to dismantle etc.