



**Muon Ionisation Cooling Experiment Oversight Committee
Friday 28 April 2017 at Rutherford Appleton Laboratory, Oxon**

Feedback and Actions

1. The Committee would like to offer its congratulations on the 100 million events data recorded and the smooth running of MICE, particularly in March 2017.
2. The Collaboration appears to have managed the movements of personnel attached to the project and is responding well to technical difficulties as they arise.
3. Impressive progress has been made on analysis of the data, and the Collaboration has a good plan in place for future publications. The imminent Physical Review Accelerators and Beams (PRAB) publication is particularly notable.
4. The Committee welcomes the STFC's decision to support the MICE data run planned for September/October 2017. This will allow the Collaboration to get a comprehensive set of data and complete Step IV.
5. The UK Collaboration should write down their plan to achieve the completion of operations in September/October 2017, including an analysis under different scenarios and accompanying decision points. The Committee believes this will help planning under most eventualities.
6. There continue to be commissioning and operational issues. There are likely to be a number of issues where support from the US part of the Collaboration will be essential for the successful completion of step IV data taking in September/October 2017. The Committee questions the priority of expediting the delivery of the RF cavities over providing the necessary personnel to ensure the successful completion of step IV.
7. The Committee sees the forthcoming HAZOP review as an essential part of the planning for liquid hydrogen operations. Ensuring the safety of personnel must be the highest priority for experimental operation. The Committee would like to see the report as soon as it is available.

Action: The Collaboration

8. It is imperative that the project maintains strict financial supervision to ensure that the project is completed within the remaining allocation.



9. The Committee acknowledges and understands the Collaboration's desire to move to a cooling demonstration project, but also notes the official statement from STFC that there is no funding available for the upgrade, which was presented in the recent Statement of Interest to the Accelerator Strategy Board. The Collaboration is therefore encouraged to plan accordingly.
10. The Committee encourages the STFC to commission a "Lesson Learned" exercise, under external leadership, to provide guidance for future projects.
11. The Committee believes that MICE data will provide a source of future publications and PhD theses and recognises the commitment of the academics in supporting the new students throughout their PhD studies.
12. The next meeting of the Committee was agreed to take place on 21 November 2017, with 14 November as a fall-back date.