



MICE Project

RF power system design review

Welcome and Introduction

Essential safety information:

- Fire alarm (bell) – Assembly point is outside over bridge, follow me!*
- Level two alarm (klaxon) – stay in this room and shut windows*
- General safety number: 2222 from any phone*

- For the MICE tour, I need your names and employer please – will circulate a list*

Andy Nichols, STFC, 7-12-11



RF Power system review



- *Thank you everybody for agreeing to take part*
- *We have a quite ambitious schedule today; we need to keep to time*
- *The aim is to review the RF power system as described to you*
- *We do not have time to re-visit the design in detail today*
- *If any areas do need revision, they will be noted and further meetings arranged if necessary*
- *MICE would like to request the Review Committee to submit a written report of their conclusions*





Committee:

Ralph Pasquinelli, FNAL – Chair

Erk Jensen, CERN

Peter McIntosh, STFC

Kevin Ronald, Strathclyde

Mark Keelan, STFC

Mike Woodward, STFC

Review Charge:

To review the MICE RF power installation and distribution layout in terms of:

- Suitability of components, materials and equipment for the MICE application and performance specification so that a major purchase can be confidently made*
- Specifically address RF control and monitoring and measurement of RF phase, amplitude and frequency*
- Compatibility and integration of the entire system with its surroundings*
- Ease with which the system can be assembled and tested*
- Suitable flexibility to adapt to each of the discrete MICE assembly steps*





Previous Reviews:

- *MICE Technical Board, October 2008, conclusions are posted here: <http://mice.iit.edu/tb/>*
- *MICE Technical Board, June 2011, documentation and conclusions are posted here: <http://mice.iit.edu/tb/Meetings/2011-06-13/>*
- *This review is the main outcome of the above*

