**MAP PMG Meeting Minutes**

**Monday 9th June, 2011**

1. Status of May 23 PMG Action items:
2. Florida cryostat drawings and details were sent to FNAL to facilitate exploring possibility of using it to test first RFCC coil at FNAL. Good news is that it is a certified vessel, but we need to find a location for the test.
3. Steve Gourlay has agreed to organize an RFCC meeting at FNAL to bring together relevant experts (including MIT folks) to discuss where the RFCC first coil test can/should be made and what it will need.
4. MTA Beamline Magnet Plan

Craig Moore reported on the plan to install a stronger dipole into the MTA beamline (UVB03). A magnet has been identified and an installation plan exists. EE and mech support effort has been identified. New magnet should be in place in 2 weeks. Before next PMG we should know whether this fix has worked.

1. HPRF Experiment: Readiness and Plans  
   Katsuya Yonehara described the HPRF experimental setup and beam measurements to be made. Would like to make modifications to allow up to 1600 psi. If this can be done before beam is ready, will measure up to this higher pressure … otherwise will start with measurements up to 1000 psi. Before the experiment can run, still need hydrogen safety approval. This is something that has been obtained for previous setups, and it is believed safety approval can be obtained for the present setup within a few days. Setup approved for pressures up to 1000 psi. Should be ready to take first data once the beam is ready (in 2 weeks).
2. MTA Plans and Resource Needs  
   Alan Bross summarized the mech. engineering resource needs for the coming MTA program. The ongoing repetitive tasks (e.g. installation/removal of cavities for testing) are being well supported. However, support for some of the future tests in the MAP plan do not yet have identified technical resources; namely (i) test of an E parallel to B box cavity and (ii) test of a 201MHz cavity in the first RFCC coil destined for the MTA, (iii) design and installation of the 805MHz recirculator and switch, which will be delivered this month. We have “physicists estimates” of the effort needed for these things, but the first step is to get engineering estimates. In the discussion it was suggested that the box cavity design could be outside work, or could be in TD rather than AD. It was also recognized that an engineer needs to be found to make an assessment of the effort required for installation of the RFCC coil in the MTA.
3. New Action Items:  
     
   i) Set up an RFCC first coil test meeting at FNAL (Gourlay). [May not take place until July].

ii) Investigate location options for RFCC coil test cryostat at FNAL (Bross/Apollinari).  
iii) Schedule MTA beamline update (Craig) for next PMG. By then we should know if the “full strength” magnet fix has worked.

iv) Find AD mech. engineer to make effort assessment for installation of RFCC coil at MTA (Bross/Dixon).

v) Explore possibility for box cavity design in TD (Bross/Apollinari).