MQXFS Incident Report & Plans

July 29, 2015

Decisions:

- The decision to continue the MQXFS assembly using the original coils was confirmed
- It was agreed to name this test "MQXFS Assembly Test", which will be performed using three non-conforming coils (#104, #3 and #5); the focus of this assembly and test is to learn as much as possible on the assembly procedures, pre-load values and assembly tooling in preparation for future short models and prototypes.
- Before test start LARP & CERN should agree on a detailed test plan with performance thresholds and branching points (for instance, very limited quench performance should automatically trigger ending the test and preparing for reassembly as soon as possible).
- Spare coils should be available for fast reassembly after a short MQXFS Assembly Test.

Action Items:

- Proceed with the assembly using the original coils aiming at completing it as timely and safely as possible (LBNL)
- Be ready to test the MQXF assembly as soon as it is delivered to Fermilab (FNAL)
- Update and distribute MQXFS schedule with different paths depending on performance of the MQXF Assembly Test, by August 7 (G. Ambrosio)
- Develop and distribute a detailed test plan that will be used for defining thresholds and branching points, by August 14 (G. Chlachidze)
- Develop thresholds and branching points and present/discuss with the LARP-CERN collaboration, by August 14 (G. Ambrosio, P. Ferracin)
- Prepare spare coils to be ready for fast reassembly after short MQXFS Assembly Test, by October 30 (LARP & CERN)
- Complete incident cause analysis and share lessons learned and corrective actions (LBNL).