



Long Prototype Status and Plans

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on behalf of the MQXF team

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KEK

Tooling & Equipment

- LARP is taking the lead with 4m coil fabrication starting in February 2015.
- Equipment upgrades in progress:
 - Automatic (Selva) winder (FNAL)
 - Curing mold (FNAL)
 - Vertical test facility (BNL)
- Coil tooling is under procurement
- Structure assembly tooling under design

Winding Tests

- Short QXF coil successfully wound in manual mode
No popped strands



Plans and Risk Mitigation

- Start practice coil fabrication: February 2015
- First coil test in mirror: March 2016
- MQXFL1 test: November 2016

➔ Risk mitigation:

- LHQ coil (120 mm ap., 3 m magnetic length) has been tested in mirror structure

