

# **Internal Review to address issues re wind-and-cure at BNL**

## **Goal & Charge**

The HL-LHC AUP project is going to have two coil fabrication sites (BNL and FNAL). Both sites will make identical coils for the MQXFA magnets to be used in Q1 and Q3 of the High Luminosity LHC.

MQXF short model coils and prototype coils were fabricated using the “LARP scheme”: all coils wound-and-cured at FNAL, half coils reacted-and-impregnated at BNL, half coils reacted-and-impregnated at FNAL.

In preparation for the AUP project LARP initiated procurement of parts for a wind-and-cure line for MQXFA coils at BNL. The AUP project took over this effort including installation and commissioning of this line. AUP aims at starting MQXFA coil production at BNL on October 31, 2018.

During practice winding the BNL team found seven issues and reported them to the MQXFA magnet L2. The L3s involved with these issues discussed them and found a solution to four of them. This internal review is called to address the three remaining issues.

Each committee member is requested to answer the following questions:

- What are your recommendations and comments (optional) for addressing each one of the three remaining issues?
- Do you have any other comment or recommendation regarding these issues or the issues closed by the L3s?
- Do you have any comment or recommendation for next steps in commissioning the MQXFA wind-and-cure line at BNL?

## **Committee**

Dan Cheng and Juan Carlos Perez.

## **Date and Time**

July 12, 2018 starting at 8/10/11/17 (LBNL/FNAL/BNL/CERN)

## **Location/Connection**

The review will be by video-mtg  
Video-link by Zoom, info by email.

## **Link to agenda with talks and other documents**

<https://indico.fnal.gov/event/17552/>