

# **MQXFAP2 Shims & Loading Readiness Review**

## **Goal & Charge**

MQXFAP2 is the second prototype of the MQXFA magnets to be used in Q1 and Q3 for the High Luminosity LHC. The goal of MQXFAP2 is to demonstrate readiness for AUP project start by meeting all MQXFA requirements.

The test of the first prototype (MQXFAP1) is in progress and preliminary results and analyses will be presented at this review.

The goal of this review is to evaluate the coil shim plan and assess readiness to start MQXFAP2 azimuthal and axial loading.

The committee is requested to answer the following questions:

- Is the coil shim plan adequate to assure that MQXFAP2 will meet requirements?
- Are the preload targets adequate to assure that MQXFAP2 will meet requirements?
- Are MQXFAP1 test results and analyses supporting the MQXFAP2 shim plan and preload targets?
- Is there any other comment or recommendation to assure MQXFAP2 will meet requirements?

## **Committee**

H. Felice (chairperson), P. Ferracin

## **Date and Time**

February 15, 2018; starting at 8/10/11/17 (LBNL/FNAL/BNL/CEA-CERN)

## **Location/Connection**

Meeting by video-link using Zoom, info by email

## **Link to talks**

<https://indico.fnal.gov/event/16435/>