

NSTX-U Weekly Report (Jan. 10, 2014)

NSTX-U is in the Upgrade Project outage in FY 2014

NSTX-U researcher, Michael Jaworski (PPPL) attended the Lorentz Center workshop meeting, "Where no Material Dare to go," held on Jan. 6 – 10, 2014 at the University of Leiden, the Netherlands (<http://www.lorentzcenter.nl/lc/web/2014/616/info.php3?wsid=616>). This workshop brought together researchers in areas of fusion energy, liquid metals for fusion applications, extreme-ultraviolet light production, welding and material synthesis to examine various aspects of materials in extreme conditions. Michael Jaworski presented the talk, "Capillary-restrained liquid-metal PFCs for NSTX-U and next-step devices" at the meeting. He also participated on the scientific program committee (M. Jaworski)

Engineering Operations (A. von Halle, C. Neumeyer)

NSTX Upgrade activities continued with the ongoing winding of the new OH coil on the inner TF bundle. Progress in winding the initial layer has been good, and the first in-line conductor braze was successfully performed and tested. In the test cell, installation of in-vessel diagnostics continues.

Preparations of non-upgrade equipment for plasma operations in the NSTX-U configuration also continued with the ongoing rack and cabling reconfigurations in the Field Coil Power Conversion (FCPC) building. New fiberoptic cabling has been received, and the required new termination panels are being installed. Maintenance on switchgear for the FCPC primary power systems has been completed.

Access to the NSTX test cell will be available only through previous arrangement with the Upgrade Work Control Center.

OH Winding is Progressing!

Preparing the first in-line braze.

