

## **NSTX-U Weekly Report (February 20, 2015)**

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

Dr. Naoki Tamura of National Institute for Fusion Science, Japan visited PPPL/NSTX-U under the US-Japan personnel exchange program. He collaborated on the physics of non-local transport including the analysis of the TFTR data with Eric Fredrickson (PPPL). (M. Ono, PPPL)

### **Engineering Operations (A. von Halle, P. Titus)**

NSTX Upgrade activities continued with the completion of the installation of cooling water hoses in the umbrellas. Hydrostatic testing is in progress. Installation of coil system bus-work continues. NSTX-U Test Cell scrubs marking the conclusion of construction activities and the start of operations prep are scheduled to start on March 2nd.

The Digital Coil Protection System (DCPS) and the Power Supply Real Time Control (PSRTC) are complete and supporting Field Coil Power Conversion (FCPC) System dummy load testing.

Preparations for plasma operations in the NSTX-U configuration also continued. Field installation of gas delivery system piping, and re-commissioning of gas controls is in progress. The Vacuum prep Lab is fabricating the Multipulse Thompson Scattering (MPTS) diagnostic exit tubes, and the MPTS exit tube supports are being installed in the test cell. Welding of the coaxial lines for the deuterated trimethylboron (dTMB) system in the test cell is in progress.

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