

## **NSTX-U Weekly Report (December 2, 2016)**

**FY 2017, NSTX-U is in the maintenance and repair outage.**

### **NSTX-U Research (J. Menard)**

The NSTX-U Team Meeting was held on December 2, 2016 at PPPL. The NSTX-U team was updated on the reorganization, on-going outage activities, and the near and longer term plans. The meeting material is available on the web at:

[http://nstx.pppl.gov/DragNDrop/NSTX\\_Meetings/Team\\_Meetings/2016/2016-12-02/](http://nstx.pppl.gov/DragNDrop/NSTX_Meetings/Team_Meetings/2016/2016-12-02/)

### **NSTX-U Recovery Project (R. Hawryluk)**

The NSTX-U center column is in its stand in the High Bay Area. Center column metrology documenting the tilt of the TF inner conductors and OH coil with respect to the centerstack casing has been completed. Preparation of procedures and lift data sheets for the case removal and disassembly continue. The upper ceramic break assembly has been removed from the vessel, and electrical insulation tests (hi-pots and meggers) were performed this week. Preparations to remove the lower ceramic break are in progress. Recommissioning of the coil winding facility continued with testing of the taping machines and VPI system leak checking. Three spools of conductor have been delivered. PF1aL mandrel welding has been completed and, final machining will start this coming week Monday (see image below). The Field Coil Power Conversion (FCPC) Test Stand is being prepared for magnetic testing of an ITER diagnostic component to be conducted during the week of December 12th. Upon completion, the Test Stand will be configured for power testing of PF Inner Coils beginning with the original PF1aL. Also this week, the rebuilding of two neutral beam (NB) ion sources started in the NB decon facility and clean room.

