

NSTX-U Weekly Report (Feb. 8, 2013)

NSTX-U is in the Upgrade Project outage in FY 2013

Stefan Gerhardt (PPPL) participated in the DIII-D PAC meeting from 1/29/13-1/31/13. The committee was charged with assessing both technical and presentation aspects of the DIII-D five year research plan, covering FY14-FY18; an independent review of the plan will be done by a different committee later this year. Presentations covering both the DIII-D physics and hardware upgrade plans were given, and the PAC report is being finalized. (S. Gerhardt)

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

NSTX Upgrade construction activities continued this week with the loading of nine TF conductors in the first TF quadrant mold. All TF conductors required for the center column are complete with cooling tubes soldered in place, and are in the coil shop in preparation for assembly. The refurbished ion dump and the sweep magnet have been installed in the second neutral beam (NB2).

Preparations of plasma operations in the NSTX-U configuration also continued with fabrication of the new field coil power conversion (FCPC) system firing generators. Production unit #1 is now complete and being installed in a FCPC rectifier for pre-operational testing.

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

2nd NB I in the NSTX-U Test Cell (Feb. 2013)

