

## **NSTX Weekly Report (Feb. 4, 2005)**

FY2005 Planned Operations: 14 weeks  
Completed: 0 weeks producing 0 plasmas

### **Department, Project, Program (M. Ono, M. Peng, E. Synakowski)**

- S. Kaye attended the MAST Research Forum on Feb 1-2, 2005 where he gave presentations on the NSTX Research Plan and Collaboration Opportunities and on specific experiments that NSTX researchers are proposing to run on MAST. The proposed experiments overlap quite nicely with what is planned in their M5 campaign. (S. Kaye)
- Ed Synakowski attended the Alcator C-Mod PAC meeting last week, and also discussed with John Rice, Brian LaBombard, Martin Greenwald, and Steve Scott joint research plans pertaining to momentum transport. (E. Synakowski)
- The NSTX Physics meeting will be held on Monday, February 7, 2005. **Stan Kaye** will summarize the MAST Research Forum. The meeting will start at 1:30 pm in LSB B-318 and will be available for remote participation. (J. Savino)
- The NSTX Team Meeting will be held on February 11 at 1:00 pm in LSB 318. We plan to update you on the FY 06 budget, the outage status and the run plan.

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

The NSTX outage continued this past week with some rework of the TF flags and boxes required to facilitate the epoxy filling of the boxes. The TF inner bundle has been removed from the OH solenoid, and the solenoid has been moved into the test cell for the installation of magnetic sensors and insulation. The assembly of the TF flags and boxes continues in the South high bay area. Electrical insulation tests of the inner vacuum vessel were successfully completed, qualifying the vessel for 2kV CHI operation. Work continues on the commissioning of the new Switching Power Amplifier (SPA) supply needed for Resistive Wall Mode experiments, and the weld repairs to motor generator #2 have been completed.

There are no NSTX test cell access restrictions scheduled for this week.  
(A. von Halle)

### **Research Operations (M. Bell)**

#### **Boundary Physics Operations (H. Kugel)**

- LPI requisitions were received and maintenance was initiated.