

# **NSTX Outage and Startup Activities**

## **Test Cell Activities**

**The center stack is back in the NSTX vacuum vessel with new upper and refurbished lower ceramic breaks.**

**Bakeout capability is being installed on the vacuum pumping duct**

**Machining of the vacuum feedthroughs to improve HHFW antenna performance**

**Mirnov coil upgrades at the center stack and inner/outer divertors**

**Addition of Resistive Wall Mode sensor coils to passive plate tiles**

**Upgrades to the diagnostic shutter systems**

## **Startup Schedule**

**In-vessel construction activities complete by Oct 7th**

**Calibrations complete and pumpdown by Nov 13th**

**Power testing to start on Dec 5th**

**Plasma Operations to resume on Dec 10th**