

# **NSTX Upgrade Program Advisory Committee Meeting – PAC-35**

**June 11-13, 2014**

**Lyman Spitzer Building - B318**

## **Background:**

In May of 2013, the NSTX-U research team successfully completed a peer review of its 5 year plan for 2014-18 utilizing the new capabilities associated with the NSTX Upgrade project (new centerstack and 2<sup>nd</sup> neutral beam injector) plus several additional proposed facility and diagnostic enhancements. The NSTX-U research team has since been actively engaged in collaborations and NSTX data analysis and publication and is now beginning to prepare for research operations expected to begin in the spring of 2015. The NSTX-U program would value PAC comment on progress over the past year, and would especially value comment on the preparation and priorities for the first two run-years of NSTX-U operation. The NSTX-U program would also value comment on several other programmatic issues noted in the charges below.

## **Charges:**

1. Assess the operational preparation and research priorities and preliminary plans for the first two run-years of NSTX-U with emphasis on the first run year.
2. The NSTX Program has been asked by DoE Fusion Energy Sciences (FES) to develop and implement ideas to “Expand engagement with university scientists to enhance the NSTX-U program”. Please comment on and/or expand the preliminary set of ideas (to be presented at PAC-35) to make NSTX-U more attractive and/or available to university scientists – including early career researchers and students.
3. Comment on progress and plans for establishing and expanding the partnership between the NSTX-U program and the PPPL theory department.