

**National Spherical Torus Experiment
Program Advisory Committee
17th Meeting**

**Princeton Plasma Physics Laboratory
Conference Room LSB-318
January 20-21, 2005**

CHARGE

Substantial evolution in the priorities of the U.S. Fusion Energy Sciences Program has occurred during 2004. Key elements in this evolution include the recent scientific recommendations of the FESAC Priorities Panel, and the approaching U.S. participation in the ITER Project with the associated increased importance of the International Tokamak Physics Activities (ITPA). The NSTX Program plans for FY2005 – 2007 and the specific FY2005 run plan need to be examined in light of these developments. The NSTX Team is preparing to present to the PAC for advice an updated description of these plans. It would be helpful if the PAC could address the following two questions:

- 1) Does the proposed research and facility plan for FY2005 – 2007 appropriately address the evolving priorities of the U.S. Fusion Energy Sciences Program?
- 2) Does the proposed FY2005 experimental run plan make good use of the available capabilities to achieve the FY2005 research milestones and support the FY2006 and FY2007 plans?