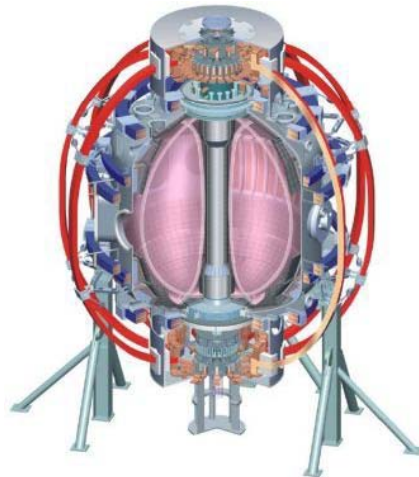


# NSTX Program Update

**S. Kaye, J. Menard**

**NSTX Team Meeting  
B318, PPPL  
June 25, 2010**



College W&M  
Colorado Sch Mines  
Columbia U  
CompX  
General Atomics  
INEL  
Johns Hopkins U  
LANL  
LLNL  
Lodestar  
MIT  
Nova Photonics  
New York U  
Old Dominion U  
ORNL  
PPPL  
PSI  
Princeton U  
Purdue U  
SNL  
Think Tank, Inc.  
UC Davis  
UC Irvine  
UCLA  
UCSD  
U Colorado  
U Illinois  
U Maryland  
U Rochester  
U Washington  
U Wisconsin

Culham Sci Ctr  
U St. Andrews  
York U  
Chubu U  
Fukui U  
Hiroshima U  
Hyogo U  
Kyoto U  
Kyushu U  
Kyushu Tokai U  
NIFS  
Niigata U  
U Tokyo  
JAEA  
Hebrew U  
Ioffe Inst  
RRC Kurchatov Inst  
TRINITY  
KBSI  
KAIST  
POSTECH  
ASIPP  
ENEA, Frascati  
CEA, Cadarache  
IPP, Jülich  
IPP, Garching  
ASCR, Czech Rep  
U Quebec

# NSTX participation strong in recent meetings

- May 3-7 IAEA FEC 2010 PC Meeting
  - Vienna, Austria J. Menard chaired sub-committee responsible for choosing EX/TH/ICC orals (5 + 2 rapp. orals for NSTX), program organization + represented U.S.
- May 16-20 18<sup>th</sup> Topical Conference on HTPD
  - Wildwood, NJ – 1 talk (partial), 16 posters
- May 24-28 19<sup>th</sup> Intl Conf on PSI
  - San Diego, CA - 3 orals, 16 posters
- May 31-Jun 4 4<sup>th</sup> ITER International Summer School
  - MHD and Plasma Control in Magnetic Fusion Devices - Austin, TX
  - 1 Participated
- June 21-25 37<sup>th</sup> EPS Conference on Plasma Physics
  - Dublin, Ireland – 3 orals, 8 posters

## We did very well with APS Invited Talks

- **J. Ahn** - Modification of divertor heat and particle flux profiles with 3-D fields in NSTX
- **J. Canik** - Edge Transport Reduction and Turbulence Modification in Response to Lithium Coated PFCs in NSTX
- **J. Menard** - Role of plasma edge region on global stability in NSTX
- **R. Raman** - Demonstration of Tokamak Ohmic Flux Saving by Transient Coaxial Helicity Injection on NSTX
- **S. Sabbagh** - Progress Toward Stabilization of Low Internal Inductance Spherical Torus Plasmas in NSTX
- **V. Soukhanovskii** - Taming the Plasma Material Interface with the “Snowflake” divertor
- **K. Tritz** - Effects of Global Alfvén Eigenmodes on Electron Thermal Transport in NSTX
- **S. Zweben** - Quiet periods, zonal flows, and blob formation in the edge turbulence of NSTX