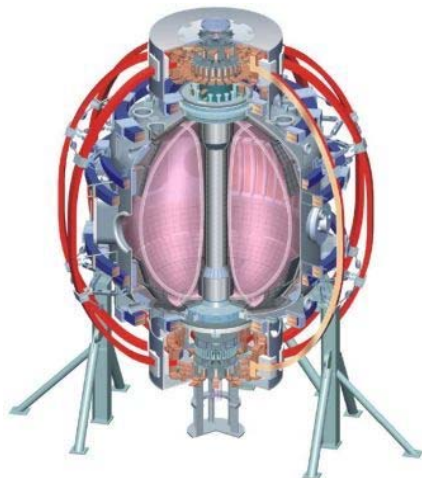


Turbulence and Transport TSG Group Meeting

Yang Ren
Howard Yuh
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B252 May 5th, 2011



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

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

FY 11-12 T&T 1st Priority XPs

1161	Kaye	Multi-channel transport and related microturbulence (group XP)
	Kubota	Particle Transport Using Gas Puff Modulation
	Soukhanovskii	Development of diagnostic method and perturbative gas injection techniques for impurity, ion and electron heat transport studies
	Clayton	Impurity Transport Measurements in the NSTX Plasma Edge
	Ren	ExB Shear Effect on Micro-turbulence in L and H mode plasmas
1162	Mazzucato	ETG Turbulence and Anomalous Transport in NSTX
1163	Ren	Assessing the 2D k spectrum of high-k turbulence
1164	Guttenfelder	Collisionality scaling of turbulence at high beta
	Smith	Assessment of core low-k turbulence and poloidal flow fluctuations
1165	Smith	ETG turbulence in the k-theta, k-r plane
1166	Tritz	GAE effects on electron thermal transport
1167	Yuh	Measurement of residual turbulence in ITBs & explaining high-k bursts

NSTX CY2011 Run Schedule (to 15-Jul)

Last Updated: 3/30/2011 at 3:52 PM

Draft v1.1

Week	Monday	Tuesday	Wednesday	Thursday	Friday
0	27-Jun	28-Jun	29-Jun	30-Jun	1-Jul
	ISTP	ISTP (to include 2nd SPA ISTP as well)	ISTP	ISTP	Gerhardt Magnetic Calibrations
				XMP-71 Kugel Start-up	XMP-71 Kugel Start-up

2 hr He GDC + between shots

2 hr He GDC + between shots

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul
	Holiday	XP 1133 Maingi Li Introduction	XP 1133 Maingi Li Introduction (IF NEEDED)	XP 1134 Kugel Diverted plasma on Li moly (HHFW Piggyback)	XMP-72 Gerhardt PCS SPA 2 n=1 FB checkout XMP-75 betaN cntl checkout
			XP 1134 Kugel Diverted plasma on Li moly (HHFW Piggyback)	XP 1134 Kugel Diverted plasma on Li moly (IF NEEDED)	XP 1106 Gerhardt Vertical Control Improvements

2 hr He GDC+bet. shots if needed

2 hr He GDC+bet. shots if needed

Week	Monday	Tuesday	Wednesday	Thursday	Friday
2	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul
	XP 1103 Gerhardt Higher A and kappa (supports XP1115)	XP1112 Diallo Delta & Bt vs. pedestal ELMY H (if TS can support)	XP1115 Diallo Kappa vs. pedestal ELMY H (if TS can support)	XMP-76 Bortolon t-FIDA Commissioning	Yuh MSE Calibration
	XP 1156 Jaworski Li Deconditioning		XP1116 Battaglia Ped. height vs. X-pt height (if TS can support)	(XMP-73 Podesta) (rt-Vphi checkout - piggyback)	(delay if LIF not ready, but almost ready)

Neon Glow for CHERS

WEEK OF JULY 18th: Either HHFW Conditioning / HHFW+NBI XPs, or mix of XPs supporting FY11 milestones

Adv. Scenarios and Control	ITER and CC&E	Macroscopic Stability	Transport & Turbulence	No run
Boundary Physics	Lithium Research	Solenoid-free Start/Ramp-up	Waves and EPs	Calibrations, etc.