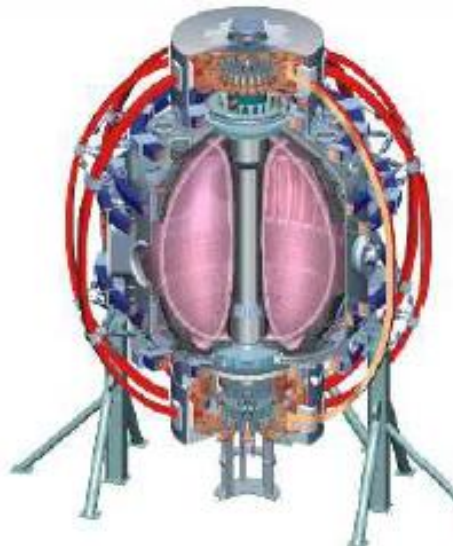


Transport and Turbulence TSG Summary Session

Howard Yuh, TSG Leader
Stan Kaye, TSG Deputy Leader
Taik-Soo Hahm, Theory & Modeling

FY10 Research Forum
Dec 1-3, 2009

College W&M
 Colorado Sch Mines
 Columbia U
 Comp-X
 General Atomics
 INL
 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 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

Transport and Turbulence submissions

- Fluctuations (high-k, BES, reflectometer, FIRETip, GPI)
- Momentum
- L-H
- Energy
- Collisionality

24 submissions for **21-36** run days

Synergistic proposals combined

XP	Author	Title	Req	combined with	P1	P2	P3	ITER	CC	Fiducial
TT1	S. Kaye	Impact of rotation on turbulence and energy and momentum transport	1-2	TT7, 8 , 26						
TT7	D. Smith	Investigation of low-k fluctuations as a source of anomalous momentum transport	1-2	TT1	1	0.5				
TT26	W. Solomon	Determination of NTV offset rotation on NSTX	1-2	TT1						
TT4	D. Battaglia	L-H power threshold for D and He plasmas using RF current drive w/symmetric phasing	1	TT14, 15	1					
TT14	S. Zweben	Ultra-high Speed GPI Measurements of the L-H transition with RF Heating	0.25-	TT4						
TT15	Y. Ren	Study of the Parametric Dependence of High-k Turbulence	2-3	TT4 + 1	1					*
TT8	D. Smith	Investigation of multi-scale turbulence	1-2	TT12	0.5	0.5				*
TT12	S. Kubota	Survey of Low-, Intermediate-, and High-kr turbulence, Simultaenously and Everywhr	1-2	with TT8						
TT13	S. Kubota	Ohmic H-Mode	0.5	with TT11	0.5					
TT11	K.C. Lee	Reynolds Number Measurement on H-mode Transition	0.5-1	with TT13						
TT18	H. Yuh	Sustained ITBs and H-Mode ITBs	1-2		0.5	0.5				
TT21	R. Bell	Joint NSTX DIII-D poloidal rotation experiment	0.5-1		0.5		??			
TT25	W. Solomon	Characterization of intrinsic torque using torque transients	1-2		0.5					
TT10	K. Tritz	Investigation of *AE induced electron transport	1-2			0.5				
				Total	5.5	2				
TT6	D. Smith	Investigation of ETG turbulence isotropy	1				1			
TT2	S. Kaye	Density dependence of L-H threshold	0.5					0.5		
TT17	R. Maingi	Dependence of PLH on Radius triangularity of the X-point	0.5-1					0.5		
TT9	D. Smith	Survey of low-k fluctuations in NSTX	1-2	XMP					XMP 1-2	
TT5	D. Battaglia	L-H power threshold versus lithium deposition and LLD temperature	0.5-1							*
TT16	E. Mazzucato	The spectrum of short scale turbulent fluctuations in NSTX	1-2				PB			*
							1	1	1-2	
TT19	H. Yuh	Electron transport under high positive magnetic shear	PB				PB			
TT22	D. Stutman	Edgeimpurity transport dynamics using high resolution ME-SXR	1				PB			
TT20	R. Fonck	Investigation of ZMF and GAM zonal flows	1				scope out			
TT24	G. McKee	Role of Edge & SOL Flows and Magnetic Geometry in the L-H Transition	1				scope out			
TT3	S. Kaye	I-Mode	0.5				datamine			
TT23	C. Petty	Aspect Ratio Scaling of Transport Between NSTX and DIII-D	0.5-1				??			