

# Proposals submitted in BP TSG

[T. Gray] Achieving I-mode on NSTX

[A. Diallo] [Aspect Ratio Effects on the Pedestal Structure in ELMy discharges](#)

[D. Smith] [Assess pedestal SOL fluctuations and poloidal flow fluctuations across LH transitions and ELMs](#)

[R. Maingi] [Dependence of density profile modification, and pedestal core performance on amount of lithium evaporated between discharges](#)

[A. Diallo] [Effects of Triangularity and Toroidal field on the Pedestal Structure in ELMy H-mode](#)

[A. Diallo] [Elongation Effects on the Pedestal Structure in ELMy H-mode](#)

[D. Battaglia] [LH power threshold and H-mode pedestal height versus X-point height](#)

[R. Maingi] [Reproduce medium triangularity Enhanced Pedestal H-mode Discharge](#)

[D. Smith] [Searching for EHOs in low triangularity plasmas with early RMP](#)

[K. C. Lee] [Turbulence and transport measurement on Enhanced Pedestal H-mode triggered by 3-D field](#)

JRT11

[V. Soukhanoskii] [Development and assessment of X-divertor configuration on NSTX](#)

[M. Jaworski] [Divertor electron temperature and EEDF modification due to connection length modification](#)

[V. Soukhanoskii] [Divertor heat flux mitigation with impurity seeding in high-performance discharges](#)

[V. Soukhanoskii] [Snowflake divertor configuration studies in support of R11-3 and NSTX-U divertor options](#)

[V. Soukhanovskii] [Development of early snowflake-minus configuration for impurity control](#)

[A. Loarte] [Compatibility of Radiative Divertor Operation with High Confinement H-mode Plasmas](#)

[D. Battaglia] [LH power threshold and H-mode pedestal height versus X-point height](#) {Note Overlap above}

[S. Kaye] [L-H Threshold Power Study Ramp-Up vs Steady Ip Phase](#)

R11-3,  
Divertor  
Physics

[A. Loarte] [Access and sustainment of H-mode confinement in ramped phases of ITER scenarios](#)

[J. Clementson] [Development of Spectroscopic ITER Divertor Diagnostics](#)

ITPA

ITER

[T. Gray] [Scrape-off Layer Particle and Energy Transport with varying SOL Collisionality](#)

[T. Munsat] [Dynamics of Zonal Flow-Drift Wave System Preceding L-H Transition](#)

[R. Raman] [Steady state discharges with LFS fueling](#)

[H. Takahashi] [Optimal Positioning of ELM Triggering Electrodes](#)

[H. Takahashi] [Validation of SOLC-based ELM-triggering Model](#)

[H. Takahashi] [Distinguishing between Two SOLC-Based ELM-Models Inter-Divertor Flux Tube and Homoclinic Tangle](#)

Tangle

[A. Sontag] [Edge oscillations during Type-V and ELM-free H-mode](#)

[A. Sontag] [Effect of toroidal flow shear on edge stability](#)

ELMs, Zonal  
Flows,  
Stability,  
transport,  
etc...

# NSTX Program Director guidance

	Priority 1	Priority 2
FY 2011	7	2.5
FY 2012	3	1

# BP TSG leadership recommendations

## FY11 Run day Priority 1 XP: Author

1	Diallo [Traingularity/B-field scan]	JRT11
0.5	Maingi[Density Profile Mod]	JRT11
1	Maingi [EPH] (Here Jaworski & K.C. Lee could piggy back)	JRT11
0.5	Gray[I-mode part of it]	JRT11
0.5	Diallo [Kappa scan]	JRT11
0.5	Battaglia[X-point height scan part of XP]	JRT11

3	Soukhanovskii [Snowflake]	R11-3
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## Priority 2 XP: Author

1	Sontag/Smith
1	Gray/Jaworski
0.5	Hiro[SOLC]

## FY12 Run day Priority 1 XP: Author

1	Soukhanovskii [Radiative Divertor XP] will generate some of data for Laorte	ITER/NSTX-U
1	Soukhanovskii [Snowflake]	
1	Munsat/Smith/Battaglia	PEP23/PEP-26

## Priority 2 XP: Author

0.5	Munsat/Smith/Battaglia It appears that Munsat will be getting some days in T&T	PEP23/PEP-26
0.5	Hiro [SOLC]	