

Monday Morning, September 9, 2002, Auditorium, Lyman Spitzer Building

8:00 AM	Registration	LSB Lobby
8:30	Welcome	M. Peng
8:35	Opening Remarks	Director's Office
8:40	DOE Perspective	D. Priester
8:45	Goals of Theory Review	S. Kaye/J. Manickam
8:50	Goals of Results Review and Outline	E. Synakowski
Diagnostic Development		<i>D. Johnson</i>
9:00	Status of and Progress on T_i and V_ϕ analysis issues	R. Bell
9:20	Status of and Progress on Multipoint Thomson Scattering	B. LeBlanc
9:40	T_i and T_e measurements with X-ray Spectroscopy	M. Bitter
10:00	- break -	
10:15	Initial Neutral Particle Analyzer Measurements of Energetic Ion Distributions	S. Medley
10:35	A Stark-tuned Laser Application for Interferometry and Polarimetry	K.C. Lee
10:55	Characteristics of the Neutron Emission during High power Neutral Beam Injection	L. Roquemore
CHI		
11:15	CHI ET overview	R. Raman
11:35	CHI equilibrium modeling	M. Schaffer
11:55	CHI reconnection modeling	X. Tang
12:15 – 1:15 PM	- Lunch -	

Monday Afternoon, September 9, 2002, Auditorium, Lyman Spitzer Building

Integrated Scenario Development		<i>E. Synakowski</i>
1:15	ISD ET Overview/ DND Long Pulse & High Performance	D. Gates
1:45	HFS/LFS Fueling and H mode Optimization	R. Maingi
2:05	LSN Long Pulse Development	J. Menard
MHD		
2:25	MHD ET Overview	J. Menard
2:35	The Resistive Wall Mode and Global Mode Stability Limits in NSTX	S. Sabbagh
2:55	VALEN Analysis of NSTX RWM Structure	J. Bialek
3:15	- break -	
		<i>J. Manickam</i>
3:30	M3D Simulations of NSTX	W. Park
3:50	MHD equilibrium with rotation	Guazzotto
4:10	Beam Voltage Threshold for Excitation of CAE modes	E. Fredrickson
4:30	Alfvén Mode Similarity Experiments between NSTX and DIII-D (R)	W. Heidbrink
4:50	Bounce Frequency Fishbone Analysis	R. White
5:10	Sub-cyclotron Alfvén Instability in Spherical Tokamak and its stochastic damping	N. Gorelenkov
5:30	Numerical Study of Instabilities Driven by the Energetic Neutral Beam Ions in NSTX	E. Belova
5:50	- Adjourn -	

Tuesday Morning, September 10, 2002, Auditorium, Lyman Spitzer Building

Transport & Turbulence		<i>S. Kaye</i>
8:30	Transport ET overview/Scaling experiments of transport in NSTX	D. Stutman
9:00	NSTX Confinement Overview (power balance & scaling)	S. Kaye
9:20	H mode access and characterization with NBI	C. Bush
9:40	Fast ion confinement in constant of motion space	J. Egedal
10:00	Reflectometry measurements of n_e profile and fluctuations	S. Kubota
10:20	- break -	
		<i>D. Stutman</i>
10:35	Neoclassical theory developments and implementation	W. Houlberg
10:55	Calculations of NSTX Fast Ion Confinement	M. Redi
11:15	Changes in edge turbulence with rho-star and toroidal rotation in NSTX (R)	M. Gilmore
HHFW & EBW		<i>J.R. Wilson</i>
11:35	HHFW ET overview	
11:55	Initial Exploration of HHFW Current Drive on NSTX	P. Ryan
12:15 – 1:15 PM	- Lunch -	

Tuesday Afternoon, September 10, 2002, Auditorium, Lyman Spitzer Building

HHFW & EBW (cont.)		
1:15	Power and voltage limits in the NSTX Ion Cyclotron System	D. Swain
1:35	Characterization of Fast Ion Power Absorption of the High Harmonic Fast Wave in	A. Rosenberg
1:55	HHFW Studies Using TORIC	P. Bonoli
2:15	Recent Results of HHFW Current Drive Using CURRAY (R)	T.K. Mau
2:35	Status of Electron Bernstein Wave Research on NSTX and CDX-U	G. Taylor
2:55	Reflectometer Measurements in the Plasma-edge Region in Front of the HHFW	J. Wilgen
3:15	- break -	
Boundary Physics		
		<i>D. Stotler</i>
3:30	Boundary physics ET overview	H. Kugel
3:50	Results from edge characterization experiments in NSTX	V. Soukhanovskii
4:10	Power Balance and Heat Flow in the NSTX Edge	S. Paul
4:30	Edge reciprocating probe results	J. Boedo
4:50	Gas puff imaging of edge fluctuations (R)	R. Maqueda
5:10	Simulation of the Boundary Plasma in NSTX	G. Porter/M. Rensink
5:30	- Adjourn -	

NSTX Results & Theory Review

September 9 - 11, 2002

Wednesday morning 8:30 – 10:30, September 11, 2002, B318, Lyman Spitzer Building

Boundary Physics (cont.)		H. Kugel
8:30	Non-Local Electron Heat Transport in Divertor Plasmas and Atomic Physics	F. Allais
8:45	Pause for Reflection – (9/11)	
8:50	Edge Pedestal and Er Layer Formation by X-Transport in NSTX	S. Zweben/C.S. Chang
9:10	Neutral transport simulations of gas puff imaging experiments on NSTX	D. Stotler
9:30	SOL transport theory and modeling	D. D'Ippoloto
9:50	Adjourn Results & Theory Review	
9:50 – 10:10	<i>- break -</i>	
10:10	Begin NSTX Research Forum for FY 2003 Campaign	

Wednesday, September 11

Plenary I – Introduction: B318

10:10 – 11:50	Forum Goals in the Context of Program Goals and Plans	E. Synakowski
10:35 – 11:10	Update of NSTX Facility and Diagnostic Capabilities	M. Ono
11:00 – 12:00	ET leaders perspectives on ‘03 research <i>ISD, MHD, Transport, HHFW/CD, CHI, Boundary (10 minutes each)</i>	
12:00 – 1:00	- Lunch -	

ET Breakout I:

1:00 – 3:00	MHD (B318); HHFW/EBW (Director’s C.R.)
3:00 – 3:15	- Break -

ET Breakout II:

3:15 – 5:15	MHD (B318); HHFW/EBW (Director’s C.R.)
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Thursday, September 12

ET Breakout III:

8:30 – 10:30	Transport (B318); Boundary Physics (Director’s C.R.)
10:30 – 10:45	- Break -

ET Breakout IV:

10:45 – 12:30	Transport (B318); Boundary Physics (Director’s C.R.)
12:30 – 1:15	- Lunch -

ET Breakout V:

1:15 – 3:15	Integrated Scenario Development (B318); CHI (Director’s C.R.)
3:15 – 3:30	- Break -

ET Breakout VI:

3:30 – 5:30	Integrated Scenario Development (B318); CHI (Director’s C.R.)
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Friday, September 13

Plenary II – ET Summaries: Gottlieb Auditorium

8:30 – 11:45	ET summary of breakout sessions (20 min + 10 min; 10:00 – 10:15 - Break -) <i>ISD, MHD, Transport, HHFW, CHI, Boundary</i>
11:45 – 12:00	Concluding remarks, Adjourn