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NSTX Results Review

September 19 – 20, 2001

B-318, Lyman Spitzer Building

Wednesday, September 19, 2001

	Draft Agenda	
8:00 – 8:30 AM	Registration	LOB Lobby
8:30 – 8:35 AM	Welcome	M. Peng
8:35 – 8:40 AM	Opening Remarks	R. Hawyrluk
8:40 – 8:45 AM	DOE Perspective	D. Priester
8:45 – 8:55 AM	Outline and goals of Results Review	E. Synakowski
High Harmonic Fast Wave	<i>J. Menard, Chair</i>	
8:55 – 9:25	HHFW ET overview ; Experiments	J.R. Wilson
9:25 – 9:45	HHFW Power Deposition and Transport	B. LeBlanc
9:45 – 10:10	Phasing, coupling, and edge reflectometry	D. Swain/ J. Wilgen
10:10 – 10:30	Phased array operation for CD	P. Ryan
10:30 – 11:00	- break -	
11:00 – 11:20	HHFW Power Absorption Modelling	C.K. Phillips
11:20 – 11:40	Fast Ion Absorption Studies	A. Rosenberg
11:40 – 12:00	Ray Optics Analysis of HHFW	T.K. Mau (remote)
Lunch 12:00 – 1:00 PM		
EBW	<i>R. Maingi, Chair</i>	
1:00 – 1:20	EBW Research on CDX-U and NSTX	G. Taylor
1:20 – 1:40	Coupling EBW with Waveguides	R. Pinsker (remote)
1:40 – 2:00	EBW Heating and Emission on NSTX	A.K. Ram (remote)
MHD		
2:00 – 2:30	MHD ET Overview ; Beta limits / Resistive wall modes	S. Sabbagh
2:30 – 2:50	Tearing mode research	D. Gates
2:50 – 3:20	- break -	
3:20 – 3:40	Wall Stabilized High Beta Calculations	F. Paoletti
3:40 – 4:00	Locked Modes and Error Fields	J. Menard
4:00 – 4:20	Current Driven Kink research	J. Manickam
4:20 – 4:40	CAE mode studies	E. Fredrickson
4:40 – 5:00	Development of small sawtooth scenarios	M. Bell

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NSTX Results Review, Day 2 Thursday, September 20, 2001

Boundary Physics	<i>D. Darrow, Chair</i>	
8:30 AM – 8:50	Boundary physics ET overview ; heat flux scaling	R. Maingi
8:50 – 9:10	Strategy and tools for particle balance assessment	V. Soukhanovskii
9:10 – 9:30	Glow discharge boronization and plasma fueling	H. Kugel
9:30 – 10:00	Transport ET overview ; Confinement, power balance	S. Kaye
10:00 – 10:30	Break	
Transport Physics		
10:30 – 10:50	H mode access and characterization with NBI	C. Bush
10:50 – 11:10	Particle Transport Studies with Perturbations	D. Stutman
11:10 – 11:30	Neoclassical theory developments and implementation	W. Houlberg (remote)
11:30 – 11:50	Microstability analysis of NSTX plasmas	C. Bourdelle
11:50 – 12:10	BOUT simulations of NSTX boundary instabilities	X. Xu (remote)
Lunch 12:10 – 1:10 PM		
Diagnostic development: transport & broader applications	<i>S. Paul, Chair</i>	
1:10 – 1:30	Gas puff imaging of fluctuations	R. Maqueda
1:30 – 1:50	Dual-mode Reflectometry Measurements	M. Gilmore (remote)
1:50 – 2:10	Reflectometry measurements of n_e profile and fluctuations	S. Kubota
2:10 – 2:30	T_i and T_e measurements with X-ray Spectroscopy	M. Bitter
2:30 – 2:50	Stark-tuned laser for interferometry/polarimetry	K. Lee
2:50 – 3:20	Break	
Fast Ions		
3:20 – 3:40	Ion behavior in NSTX plasmas	S. Medley
3:40 – 4:00	Fast ion transport studies with beam blips	W. Heidbrink (remote)
4:00 – 4:20	Fast ion loss on NSTX	D. Darrow
CHI		
4:20 – 4:50	CHI ET overview	R. Raman
4:50 – 5:10	Evidence for flux closure on ST's	B. Nelson (remote)
5:10 – 5:30	Magnetic fitting of Helicity Injected Plasmas on NSTX	M. Schaffer (remote)
5:30 – 5:40	Closing Comments	E. Synakowski
- Adjourn -		

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