

Boundary Physics Experimental Task Group Session Overview

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**NSTX FORUM
Nov. 28-30, 2001**

Boundary Physics Experimental Task Group Proposals



The Experimental Proposals to be presented and discussed are for

- *Implementation in FY02, or preparing for FY03*

The Experimental Proposals are focused on the FY02 goals and FY03 Milestone given in the NSTX Program Plan in the following areas:

- *Edge Physics Characterization*
- *Power and Particle Control*
- *Impurity Behavior and Control*

NSTX Forum, Session VI: Boundary Physics, Thursday 11/29/01, 1:30-5:30 PM

TOPIC	TITLE	AUTHOR (Presenter)	SCHEDULE
Heat Flux	(FY03 Milestone)		Start 1:30
	Heat Flux Scaling	R. Maingi	(10 mins)
Edge Physics			1:40
	Fast Probe Experiments	J.Boedo (C.Bush)	(10 mins)
	Edge Biasing Effects on Plasma Stability, Confinement, etc	S. Zweben	(10 mins)
	T _e and n _e Measurements in Edge Turbulence Plasmas by Helium Spectroscopy	E.Mukhin (S.Zweben)	(10 mins)
Fuelling			2:10
	Plasma Fuelling with TMB	H.Kugel	(10 mins)
	Core Fueling and Scrape-Off Layer Properties of NSTX	V.Soukhanovskii	(10 mins)
	Neutral Gas Beam Injector for Improved Fueling and Plasma Diagnostics	V.Soukhanovskii	(10 mins)
	Flexible Fueling System for NSTX High Density Studies	L.R.Baylor (H.Kugel)	(5 mins)
	CT Fueling for Enhancement of NSTX Discharges	R.Raman (H.Kugel)	(5 mins)
Impurity Behavior			2:50
	Divertor Bolometer XP	S.Paul	(10 mins)
	Effect of 350°C Helium Bakeout on NSTX Performance	C.Skinner	(10mins)
	Deposition Measurements with a Quartz Crystal Oscillator	C.Skinner	(5 mins)
Break			3:15-3:30
Discussion			3:30-5:30