

Boundary Physics Experimental Task Group Session Summary

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**NSTX FORUM
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Boundary Physics Experimental Task Group Session Summary



NSTX

There were 12 Experimental Proposals presented and discussed for

- *Implementation in FY02*

The Experimental Proposals were focused on the FY02 goals and the FY03 Milestone (Heat Flux) given in the NSTX Program Plan in the following areas:

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

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- Some XP's could be consolidated into one 3-Day Group Characterization XP
- Four additional XP' will require 1-Day each
- All of the other XP's can be accommodated in Parallel (Piggy Back) with other XP's
- One XP (Heat Flux) will enable progress toward the FY-03 Milestone
- The other XP's support the FY02 goals of the NSTX Program Plan for Edge Physics Characterization, Power and Particle Control, Impurity Behavior and Control

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ET-Boundary Physics Session Summary

XP (Topic)	Req.d Diag.s	Number of Days	When Ready to go	How Many Conditions (Ohmic,NBI, RF, P.B)	Any Time Filler XP	Deliverables
R. Maingi (Heat Flux)	Prefer F.P.	3-Day Grp Characteriza tion XP (2-3 days)	3/1/02	Ohmic, NBI CSL, LSN,DN P.B.	YES	FY-03 Milestone
J. Boedo (Fast Probe)	All	3-Day Grp Characteriza tion XP (2)	3/1/02	Ohmic, NBI, RF	YES	Edge Characterization
S. Zweben (Edge Biasing)	All/F.P.	1 (+He)	2/1/02	Ohmic/CHI	NO	Edge Control Investigation
E. E. Mukhin (EdgeTurbulence)		PiggyBack			YES	Turbulence Diag. Planning
H. Kugel (TMB Fueling)	TBD	1	Feb/Mar	Ohmic, NBI CSL, LSN	Between Boronizations	B-Redeposition Low-Z mantle
V. Soukhanovskii (Core Fueling)	F.P.	3-Day Grp Characteriza tion XP +1	3/1/02	TBD	YES	Fueling Characterization
V. Soukhanovskii (Gas Beam Injector)		PiggyBack			YES	Fueling Technique
L. Baylor (Fueling DIIID/NSTX)		PiggyBack Fueling XP			YES	Advance Fueling Planning
R. Raman (CT Fueling)		PiggyBackFu eling XP			YES	Advance Fueling Planning
S. Paul (Divertor Bolometry)	All/F.P.	3-Day Grp Characteriza tion XP (2)	3/1/02			Divertor Characterization
C. Skinner (Effect of Bakeout)	All	1	1/15/02	Pre/Post B	NO	Wall Conditions
C. Skinner (Deposition Meas)		PiggyBack	Feb/Mar	PiggyBack	YES	B Film Thickness

Original Request ()