Supported by





NSTX Program News



Budget Planning Meeting (3/16-17/04)

Martin Peng

NSTX Team Meeting

March 25, 2004 PPPL

Columbia U Comp-X **General Atomics** INEL Johns Hopkins U LANL LLNL Lodestar MIT **Nova Photonics** NYU ORNL PPPL **PSI** SNL UC Davis **UC** Irvine **UCLA** UCSD **U** Maryland **U New Mexico U** Rochester **U** Washington **U Wisconsin** Culham Sci Ctr Hiroshima U HIST Kyushu Tokai U Niigata U Tsukuba U **U** Tokyo JAERI loffe Inst TRINITI **KBSI KAIST** ENEA, Frascati CEA, Cadarache **IPP**, Jülich IPP, Garching U Quebec

Budget Planning Meeting Addresses OFES Input to DOE for FY06 Budget Submission to President

Wednesday, March 17

08:30	DIII-D	(Erol Oktay)	OFES guidance
08:30	Speakers: DIII-D Research Plans	KonStambaugn Tony Taylor	– 4 thrust areas (IPPA = Office
09.30	GA Institutional Issues	Dave Baldwin	of Science Strategic Plan)
09:40	Community Discussion	Dave Dalawin	
			 Connections to ICC and
10:00	Break		fundamental plasma science
10:15	C-Mod	(Rostom Dagazian)	 Increase emphasis on burning
10:15	Speakers: C-Mod Research Plans and Budget	Earl Marmar	plasmas, R&D for ITER (ITPA)
10:50	MIT Institutional Issues	Miklos Porkolab	National and international
11:00	Community Discussion		involvement
11:15	NSTX	(Steve Eckstrand)	
11:15	Speakers: NSTX Research Plans	Martin Peng	- Focus on FY06, use FY04-05
11:40	Pacifity and Budget Plans	Masa Ono Diah Hawayahak	in support
12:05	Community Discussion	KICH Hawfyluk	
12.15	Community Discussion		– Decrement, base, increment
12:30	Lunch		Our agenda
01:30	ICC	(Francis Thio)	 NSTX research addresses the
01:30	Speakers: ICCs Issues/Challenges	F. Thio/B. Hooper	key scientific questions of
02:00	MST Plans/Institutional Issues	Stewart Prager	
02:30	Community Discussion		tusion energy sciences
02:45	Break		 ST stands on all "4 legs" of the
03:00	Stellarators	(S.Barish/G.Nardella)	thrust areas
03:00	Speakers: NCSX & QPS	Hutch Neilson	
03:30	CTH & HSX	Steve Knowlton	(Talk in web folder)
03:45	Community Discussion		Program News

NSTX Team Contributes to Fusion Energy on a Broad Front Through Scientific Investigations



Burning Plasma (ITPA)



Fundamental Understanding



NSTX Team



Scientific Topics

- Turbulence
- Stability
- Waves & Energetic Particles
- Magnetic Flux Generation
- Boundary Physics
- Integration

Configuration Optimization



Materials, Components, Technologies (NSST & CTF)



FY04-06 Research Milestones Aim to Advance Control and High β Physics, the Near-Term Goal in 5-Year Plan

