



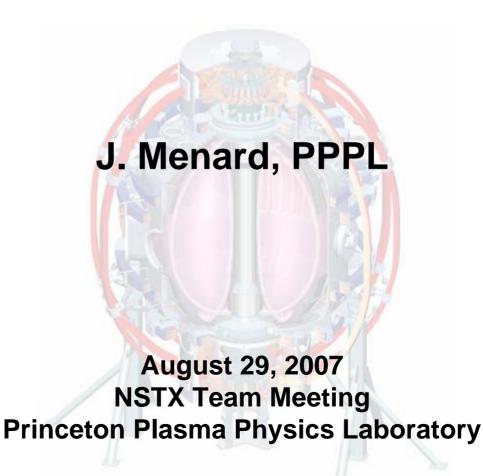




Culham Sci Ctr

# **NSTX Program Update**

College W&M Colorado Sch Mines Columbia U Comp-X General Atomics INEL Johns Hopkins U LANL LLNL Lodestar MIT **Nova Photonics** New York U **Old Dominion U ORNL PPPL PSI** Princeton U SNL Think Tank, Inc. **UC Davis UC Irvine UCLA UCSD U** Colorado



U St. Andrews York U Chubu U Fukui U Hiroshima U Hvoao U Kyoto U Kyushu U Kyushu Tokai U **NIFS** Niigata U **U** Tokvo **JAERI** Hebrew U loffe Inst **RRC Kurchatov Inst TRINITI KBSI KAIST** ENEA, Frascati CEA, Cadarache IPP, Jülich IPP, Garching ASCR, Czech Rep U Quebec

**U** Maryland

**U** Rochester

**U** Washington

**U Wisconsin** 

#### Near-term schedule for FY09-13 NSTX 5 Year Plan





here

Wed, August 29

Circulate draft plan to NSTX team for comment

### **Workshop Presentation Dry-run Schedule**

#### Tuesday, 9/4

10:30 AM Kaye (Multi-Scale Transport)

- 12:30 PM Menard (ISD)

1:45 PM Ono (Facility/Diagnostic Overview)

- 3:30 PM Sabbagh (MHD)

#### Wed, 9/5

- 10 AM Taylor (WEP)

- 11 AM Maingi (Boundary)

September 10 Draft presentations due to facilitators

**Coordination reports due to facilitators** 

September 10-14 Final revisions of presentations

September 17-19 Tokamak Planning Workshop at MIT

NSTX Team Meeting – J. Menard

# Long-term schedule for FY09-13 NSTX 5 Year Plan



•	September 17-19	Tokamak Planning Workshop at MIT	
---	-----------------	----------------------------------	--

• Oct. – Dec. 2007 Improve the draft plan

January 2008 NSTX PAC reviews the draft plan

February 2008 Final draft plan ready for review by the team

April 1, 2008 Final plan (document) ready

3 wks before review Draft presentation material ready

2 wks before review Dry run of the presentation

1 wk before review Final presentation material ready

~ May 2008 (TBD)
 New 5 Year Plan Review meeting

NSTX Team Meeting – J. Menard

# Five Year Plan Write-up Status



		Lead	Status	
Chapter 1	Overview/Introduction	M. Ono	Outline	
Chapter 2	MHD	S. Sabbagh	Text	
Chapter 3	T&T	S. Kaye	Text	
Chapter 4	Waves & Particles	G. Taylor Text		
Chapter 5	Boundary	R. Maingi	Outline	
Chapter 6	Integration	J. Menard	Outline + SFSU text	
Chapter 7	NSTX and fusion development	M. Peng	After workshop	
Chapter 8	Facility/Diagnostics/Control	M. Bell	Outline + intro text	
Appendix	NSTX Collaboration Plan	M. Peng	After workshop	

<sup>\*</sup>Start-up is included in T&T and Integration

# Message to Coordinators



- Contact your coordination partners!
- Be pro-active
- Your 4-5 page report is due Sept. 10
- Use coordination table e-mailed to you today
- Want 1 or 2 NSTXers to be coordination summary presenters

If self-organization isn't working, we'll decide for you;)

Tokamak Planning Workshop

Science Area	Facility Plan Presentations	Preliminary Coordination	Topical External Facilitators
Program Overview	Marmar (C-mod) Wade (DIII-D) Ono (NSTX)		
Integrated Scenario Research	Hubbard (C-mod) Luce (DIII-D) Menard (NSTX)	Wolfe (C-mod) Ferron (DIII-D) Gates (NSTX)  C. Kessel, G. Sips	
Waves and Energetic Particles	Wukitch(C-mod) Nazikian (DIII-D) G. Taylor (NSTX)	Bonoli (C-mod) Prater (DIII-D) Fredrickson (NSTX)	W. Heidbrink, C. Phillips
Macroscopic Research (MHD)	Granetz (C-mod) Strait (DIII-D) Sabbagh (NSTX)	Hutchinson (C-mod) Garofalo (DIII-D) S. Gerhardt (NSTX)	C. Hegna, R. Buttery
Multi-scale Transport Research	Greenwald (C-mod) Burrell (DIII-D) Kaye (NSTX)	S. Scott (C-mod) Doyle (DIII-D) Mikkelson (NSTX)	P. Terry, W. Dorland,
Plasma Boundary Interfaces	Lipschultz (C-mod) Allen (DIII-D) Maingi (NSTX)	Whyte (C-mod) West (DIII-D) Soukhanovskii (NSTX)	T. Rognlien, R. Nygren (R. Dorner)

NSTX Team Meeting - J. Menard

# NSTX Collaboration Opportunities for 2008-2010



- Focused on universities and industry
  - Major diagnostics not covered to be done 2009-2011
- Letters of intent due to DOE September 11
- Proposals due to DOE October 11
  - Notice on web: http://www.science.doe.gov/grants/FAPN07-29.html
- NSTX Program Letter and Record of Discussion on web
  - http://nstx.pppl.gov/nstx/NSTX\_Program\_Letters/
  - At request of PAC, program letter contains much more background info motivating collaboration desires, and more focus.
  - Approved Record of Discussion requested to be completed by Oct. 4
  - RoD due with DOE proposal on Oct. 11

NSTX Team Meeting – J. Menard