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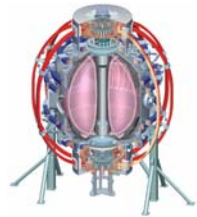
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NSTX

Update on Run Schedule

R. Raman



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NSTX Team Meeting
PPPL, Princeton, NJ,
08 February, 2006

Work supported by DOE contract numbers
DE-FG02-99ER54519 AM08, DE-FG03-96ER54361

Culham Sci Ctr
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Start date of NSTX Run to be finalized soon



- **Note: Decision on Baking vessel will revise the present *Draft* schedule**
- First Week of research focus is in pre-Li experiments
 - Obtain reliable plasmas in NSTX (2 days) and conduct piggy back activities
 - Test the Supersonic gas injector
 - Get all diagnostics working
 - Test high-k scattering and RWM systems
- Second week devoted to evaluating Li capability and to develop suitable plasma targets for other experiments
- Third week will develop tools needed for RWM system and high-k scattering diagnostic
 - Supporting experiments in these areas would be conducted
- Then we will evaluate Li capability and assess impact on NSTX Run
- Early next week, the updated schedule will be posted on the NSTX web page

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	20-Feb 2.0 Mueller Plasma Startup & PCS commi. High k-scattering test *Supersonic gas jet test* P31 Movable glow probe RWM/EF Mode detect. Test	21-Feb 2.0 Mueller Plasma Startup & PCS commi. NBI commissioning 4.5 Bush * Divertor sweeping ? (0.5)* under consideration	22-Feb 4.1 Vlad (605) P35 Div Heat Load	23-Feb 4.4 Kugel Movable glow probe XP616 XMP RF conditioning 8.1 Wilson (609)	24-Feb 7.1 Raman P13 Transient CHI
Hours	0	0	0	0	0
2	27-Feb 4.2 Kugel (601) P30 Li deposition Test RF on some shots Test SGI effectiveness	28-Feb 4.2 Kugel (601) P30 Li deposition	1-Mar 6.1 Menard (602) P78 Long pulse H mode in LSN SGI effectiveness (TBD)	2-Mar 6.2 Gates (603) P92 DND H-mode with rEFIT SGI effectiveness	3-Mar 4.3 Boedo(604) P60,59, 26 Density scan deposition studies divertor characteristics
Hours	0	0	0	0	0
3	6-Mar 5.1 Smith High-k scattering (XMP 44) 9.1 Sontag RWM/EF algorithm (XMP 45)	7-Mar 5.1 Smith High-k scattering (XMP 44) 9.1 Sontag RWM/EF algorithm (XMP 45)	8-Mar 5.2 Levinton (610) P12 L mode Rev Shear (benefits from high-k)	9-Mar 9.2 Menard (614) P108 n=1 EFC to DEFC	10-Mar MSE Calibration (full day)
Hours	0	0	0	0	0
4	13-Mar Maintenance Break APS Meeting (13-17)	14-Mar Maintenance Break	15-Mar Maintenance Break	16-Mar Maintenance Break	17-Mar Maintenance Break
Hours	0	0	0	0	0
	Evaluate Li capability and assess impact on Run				

Maintenance Breaks



- We expect week of April 3-7 (TTF Meeting) and May 8-12 (HTPDC) to be used as maintenance breaks
- NSTX is planned to operate during the weeks April 10-14 (ITPA meeting at MIT) and April 24-28 (ITPA meeting at PPPL)
 - Operations support staff who plan to attend these two meetings are requested to inform me.