

Run Coordination

S. Kaye 2/12/04

- Plasma ops recommenced officially on 1/26/04
 - NBI ops started 1/29/04 (≥ 80 keV)
- Development tasks/XPs performed
 - rtEFIT shape development
 - DN completed; attempt to use during physics XPs
 - LSN development underway
 - OH edge scoping study performed
 - ERD measurements during I_p/B_T scans
 - High β_T
 - Attempt to achieve higher β_T through higher κ , I_p
 - Attempted to use rtEFIT, but handoff problematic
 - Achieved 37% (NSTX record) at $I_p \sim 1.25$ MA, $\kappa \sim 2.1$
 - High- β_{pol} , β_N
 - Probe equilibrium limit through current ramp-downs (high- I_i), but also as route to lower I_i
 - Achieved $\beta_N=7$, $\beta_{pol} \sim 1.4$ (200 kJ)

Monday	Tuesday	Wednesday	Thursday	Friday
Feb. 9 Maintenance Week	Feb. 10	Feb. 11	Feb. 12	Feb. 13
Feb. 16 RWM Sensor Calibration XMP – HHFW Conditioning	Feb. 17 XP415 - Locked Modes	Feb. 18 XP418 - L-H Threshold (Shape)	Feb. 19 XMP – HHFW Conditioning DND	Feb. 20 XP – Daily Boronization or XMP30 - HHFW Breakdown
Feb. 23 XP417 - NPA Beam Ion Profile	Feb. 24 XP401 - H-mode Scaling	Feb. 25 XMP – HHFW Conditioning DND XMP-LPI Demo	Feb. 26 XMP30 - HHFW Breakdown	Feb. 27 XP412 - HHFW Power Deposition
Mar 1 XP425 - HHFW-only H-mode	Mar 2 XP403 –HHFW CD	Mar 3 XP424 - Long-Pulse Characterization LPI Particle Control	Mar 4 XP 424 -LPI Particle Control Long-Pulse Characterization, L-H Threshold	Mar 5 XP421 - High- β_t
Mar 8 Maintenance Week	Mar 9	Mar 10	Mar 11	Mar 12
Mar 15 XP409 – Hmode Gas Fueling (Maingi)	Mar 16 Collective Ion Loss (Fredrickson) Fast Probe Conditioning XMP	Mar 17 XP407 – RWM (Sabbagh)	Mar 18 CHI into OH (Mueller)	Mar 19 PF startup - Takase
Mar 22 HHFW Ion Htg (Wilson)	Mar 23 HHFW+NBI (LeBlanc)	Mar 24 Early H-mode (Wade)	Mar 25 Turbulence (Peebles)	Mar 26 Turbulence (Boedo/Lee)
Mar 29 Beta scan (Fredrickson)	Mar 30 XP 408 – Rotation Damping (Zhu)	Mar 31 Edge Characterization (Paul)	Apr 1 HHFW CD (Ryan)	Apr 2 HHFW edge interaction (Bernabei)
Apr 5 Maintenance Week				