

NSTX MHD Experimental Task Group
NSTX 2003 Forum Breakout Session Schedule
1:00 – 5:30 pm, Monday, November 10th

1. Sabbagh – Introduction and Agenda	5 mins	1:00 – 1:05 pm
2. Gates – Troyon scaling at high normalized current	10 mins	1:05 – 1:15 pm
3. Kaye – Effect of boundary shape on plasma stability	10 mins	1:15 – 1:25 pm
4. Edgell – RWM discrimination from ELMS, noise, etc.	15 mins	1:25 – 1:40 pm
5. Sontag – Dissipation physics of the RWM	15 mins	1:40 – 1:55 pm
6. Sontag – DIII-D/NSTX RWM physics similarity experiment		
7. Sabbagh – Passive stabilization physics of the RWM: XP313	15 mins	1:55 – 2:10 pm
8. Sabbagh – Active RWM control physics		
9. Fredrickson – Collective fast ion loss scaling	15 mins	2:10 – 2:25 pm
10. Fredrickson – External kink and control of RWM		
11. Zhu – Rotation damping physics in high β_N ST plasmas: XP314	10 mins	2:25 – 2:35 pm
<i>Break</i>	10 mins	2:35 – 2:45 pm
12. Wurden - Hypervelocity dust beam to measure B direction profile	15 mins	2:45 – 3:00 pm
13. Sabbagh - Aspect ratio effects near the high β_p equilibrium limit	10 mins	3:00 – 3:10 pm
14. Heidbrink - Suppression of chirping in beam-driven instabilities	10 mins	3:10 – 3:20 pm
15. Kessel - Vertical instability and control	10 mins	3:20 – 3:30 pm
16. Tritz - Status and plans for USXR systems	15 mins	3:30 – 3:45 pm
17. Brower - Faraday rotation diagnostic for J and δB Measurements	20 mins	3:45 – 4:05 pm
18. Lee - Toroidal field measurement and MHD studies with FIReTIP	15 mins	4:05 – 4:20 pm
<i>Break</i>	10 mins	4:20 – 4:30 pm
<u>MHD XP discussion and prioritization</u>	60 mins	4:30 – 5:30 pm

