

NSTX Macroscopic Stability TSG – Update 11/2/07

❑ 5 Year Plan

- ❑ Research plans for RWM stabilization/control, field-induced viscosity, code development, NCC physics design (leading up to NCC installation) more clearly defined and detailed (SAS)
- ❑ MHD research represented in 2 talks at Oct. ITPA-MHD meeting in Garching

❑ 2008 Run preparation

❑ NSTX Forum

- Macroscopic Stability TSG run logistics (physics topics, milestones, priorities etc.) defined and posted on web; final updates still being made
- Discussion with researchers at several facilities (DIII-D, MAST, JET) to start preparations for joint experiments (SAS)

❑ Diagnostics

- Halo Current Detectors installed in Lower Outboard Divertor (SG)
- Prototype "Thin-Film" Mirnov coil installed (EF/RK)
- In-vessel magnetic sensors operational; one Mirnov coil fixed

❑ Physics

- ❑ Continued analysis of TM data; island model that allows prediction of both Mirnov and USXR signals (SG)

