

Macroscopic MHD TSG 2008 XPs – Final Status

XP Idea presentations requesting run time

- 801: Beta ramp down 2/1 tearing mode: self-stabilization study (LaHaye)
 - 810: Rotation dependence of 2/1 NTM thresholds (Buttery)
 - 802: Active RWM stabilization optimization and ITER support (Sabbagh)
 - 803: SXR tomography of neon-seeded RWM stabilized plasmas (Tritz)
 - 804: Comparison of NTV among tokamaks ($n = 2$ fields, v_i) (Sabbagh)
 - Testing NTV theory of error field penetration (Buttery)
 - 834: Studies of the 3/2 NTM: Rotation and Beta Rampdown (Gerhardt)
 - 830: RWM stabilization physics – comparison to theory (Berkery)
 - DIII-D/NSTX RWM joint XP – stability vs. A , rotation profile, v_i (Berkery)
 - Parametric dependence RWM damping in rotating plasmas (Reimerdes)
 - 805: $n=2$ intrinsic error fields and RWM critical rotation (Gerhardt/JEM)
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- 743: Island-induced neoclassical toroidal viscosity (NTV) (SAS/Shaing)
 - Deformation of RWM and multi-mode characteristics (Sabbagh)
 - Assessment of non-rigidity in RWM feedback (Okabayashi)
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- 833: Measurement of Halo Currents in the Lower Divertor (Gerhardt)
 - 818: ELM mitigation with midplane control coils (SAS/JKP/RM/SG)

Base run

Extended

Reviewed

Scheduled

Has run time

Completed



NSTX