

Agenda for ECC Meeting on ELM Control with 3D Magnetic Perturbations

April 5, 2011, 9am-5pm

Shell Room, Bahia Hotel, San Diego CA

Overview Session 9am-noon

9:00-9:10 P. Snyder/R. Moyer *Welcome and Introduction*

9:10-10:10 M. Fenstermacher *Overview of DIII-D Observations*

10:10-10:20 Coffee

10:20-11:20 R. Maingi *Overview of NSTX and MAST Observations*

11:20-12:00 J. Callen *RMP 3D Effects on Pedestals and ELMs*

12:00-1:30 Lunch

Plasma Response to Imposed 3D Fields

1:30-1:50 N. Ferraro *Linear Stability and Response Calculations with Resistivity, Rotation, and Two-Fluid Effects*

1:50-2:10 L.J. Zheng *Effect of Resonant Magnetic Perturbations on Island Formation in Tokamak Rotating Plasmas*

2:10-2:25 R. Moyer *Response of rotation, E_r , and turbulence drives to $n = 3$ RMPs*

2:25-2:50 C.S. Chang *Studies of Plasma Response and Transport with XGC*

Transport Induced by 3D Fields

2:50-3:10 I. Joseph *Finite Larmor Radius Effects on Magnetic Reconnection in the H-Mode Pedestal*

3:10-3:20 Coffee

3:20-3:40 M. Leconte *Effect of Resonant Magnetic Perturbations on Secondary Structures in Drift Wave Turbulence*

3:40-4:00 G. McKee *Observed Changes in Turbulence with Imposed 3D Fields*

ELM Suppression

4:00-4:20 R. Kleva *Suppression of ELMs by Magnetic Field Perturbations*

4:20-4:35 O. Schmitz (presented by M. Fenstermacher) *Safety factor resonant pedestal modifications during RMP ELM control*

4:35-5:00 Discussion of ELM suppression mechanisms, including the observed window in q for low collisionality ELM suppression

5:00 Adjourn (TTF Reception 6:00-8:00pm in Mission Bay Ballroom A)