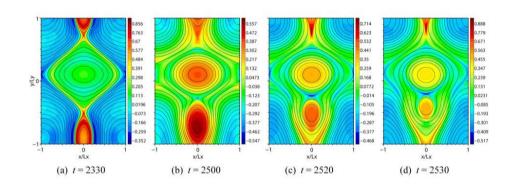
IFP-CNR – Chalmers Workshop on Nonlinear Phenomena in Fusion Plasmas

Villa Monastero, Varenna, June 8-11, 2011



Programme

June 8

900 Opening, welcome Jan Weiland/Enzo Lazzaro

905 Hans Wilhelmsson memorial session Chairman Enzo Lazzaro

905 Jan Weiland

920 Enzo Lazzaro

935 Anatoly Zagorodny

All presentations 35 min = talk 30 min+ questions 5 min

950 Statistical physics

Chairman Anatoly Zagorodny

950 Approach to the Thermodynamics of High Temperature (non-Maxwellian) Plasmas Ettore Minardi

10.25 Particle Pinch in Gyrokinetic Simulations of Closed Field-line Systems Sumire Kobayashi

1100 Coffee break

1120 Closure at the Irreducible Part of the Fourth Moment for the Case of Constant Coefficients in the Fokker-Planck Equation.

Anatoly Zagorodny

1155 Fluid Closure, Theory, Relations to Particle pinches, Fluid Resonances Jan Weiland

1230 Taking picture at the staircase

1245 Lunch

1400 Strongly nonlinear effects

Chairman Paola Mantica

1400 Strong Nonlinear Effects in a Neoclassical Model of Magnetic Reconnection Enzo Lazzaro

1435 Hamiltonian Gyrofluid Models

Francois Waelbroeck

1510 Coffee

1530 Solitary Nonlinear Cusp Structures in Strongly Coupled Dusty Plasmas Predhiman Kaw

1605 -1730 Discussion first day lectures

June 9

900 Plasma flows

Chairman Jan Weiland

900 Recent Progress in Intrinsic Rotation and Momentum Transport Taik-Soo Hahm

935 Plasma Rotation and Toroidal Momentum Transport in Tokamak. Andrei Smolyakov

1010 Two-fluid Analysis of the Geodesic Acoustic Mode (GAM) Akira Hirose

1045 Coffee

1105 Ion Stiffness Mitigation as a Key for Improved Core Ion Confinement: experimental results in JET and theoretical investigations Paola Mantica

1140 Generation/Acceleration of Large Scale Plasma Flows due to Magneto-Fluid Coupling Nana Shatashvili

1215 Lunch

1330 L-H transitions, I mode

Chairman Taik-Soo Hahm

1330 Transitions to H-mode and I-mode Edge Transport Barriers on Alcator C-Mod Amanda Hubbard

1405 Heavy particle Modes and Theory of the I-confinment Regime; Physics Issues of Plasmas Close to Ignition and the Triniti Collaboration Bruno Coppi

1440 Coffee

1500 Comparison between Edge and Internal Transport Barriers in Transport Simulations Jan Weiland

1535 Understanding of interactive physical processes in ITER scenario modeling, Tariq Rafig.

1610 - 1740 Discussion second day lectures

1930 Social dinner

June 10

900 General transport problems

Chairman Enzo Lazzaro

900 Hypervelocity regime of dust particles in tokamaks Enzo Lazzaro

935 Stress Tests of Anomalous Transport Models Using FACETS Code Alexei Pankin

1010 Discussion General transport problems

1040 Coffee

1100 General discussion

1145 Closing