



Final Agenda HEPP Colloquium 2013

Date 16 – 19 September 2012

Location The Lakeside BURGHOTEL zu Strausberg
Gielsdorfer Chaussee 6 – 15344 Strausberg

Monday, 16 September 2013

13:00 – 14:00 *Arrivals and lunch*

14.00 – 14:15 *Registration*

Welcome

14:15 – 14:30	HEPP representatives	Th. Klinger + F. Jenko, IPP
14:30 – 15:00	Greetings	S. Günter, IPP L. Schweikhard, EMAU

Guest lecture A

15:00 – 16:00	The rise and fall of alternative magnetic confinement schemes	K. Lackner, IPP
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16:00 – 16:30 *Coffee break*

PhD lecture A

16:30 – 17:00	Fast imaging of blob filaments in TJ- K and ASDEX Upgrade	G. Fuchert (Stuttgart)
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Open forum / Round table

(only IPP students)

17:00 – 18:30 Open forum / Round table (Wiss.Dir. S. Günter)

Tuesday, 17 September 2013

Guest lecture A

9:00 – 10:00 The tokamak, a (more or less) axi-symmetric plasma device W. Suttrop, (IPP)

PhD lecture B

10:00 – 10:30 The paradoxical world of Resonant Magnetic Perturbations: small perturbations, big effects T. Bird (IPP,HGW)

10:30 – 11:00 *Coffee break*

PhD lecture B

11:00 – 11:30 Power Load Studies in JET and ASDEX Upgrade with full-W divertors B. Sieglin (IPP,GAR)

11:30 – 12:00 Reconstruction of ion beam properties from beamline diagnostics B. Ruf (IPP,GAR)

12:00 – 12:30 Gyrokinetic microinstability calculations in Wendelstein 7-X and other quasi-isodynamic stellarators J. Proll (IPP, HGW)



Max-Planck-Institut für Plasmaphysik
12:30 – 13:30 Lunch

PhD lecture B

13:30 – 14:00 Development of a 3d turbulence code with a flux surface independent approach A. Stegmeier (IPP-GAR)

14:00 -16:00 Poster session

PhD Poster Session – A

S. Bandelow (EMAU)	Electron Attachment to Trapped Clusters for Poly-Anion Production
V. Bratanov (IPP-GAR)	Non universal power law spectra in turbulent plasmas
J. Brinkmann (IPP-GAR)	Oxidation behavior and plasma-wall interaction of tungsten alloys for use as plasma facing material
L. Casali (IPP-GAR)	Transport analysis of high radiation and high density plasmas in ASDEX Upgrade
M. Cavedon (IPP-GAR)	Radial Electric Field measurements during transients
S. Cerri (IPP-GAR)	On the nature of 2D gyrokinetic turbulence
M. Cole (IPP-HGW)	FLUTERPE - A new fluid electron, kinetic ion hybrid model
S. Drache (EMAU)	Time resolved measurements of metal cluster masses in a pulsed gas aggregation system
H. Hauke (IPP-HGW)	Numerical studies of divertor heat fluxes in high performance discharges in W7-X
D. Jarema (TUM)	Block Structured Grids for GENE (Gyrokinetic Electromagnetic Numerical Experiments)
C. Killer (EMAU)	Influence of dust on low temperature rf plasmas

Get2together

16:00 Canoe + Barbecue



Wednesday, 18 September 2013

Guest lecture C

9:00 – 10:00 Magnetized Dusty Plasma F. Greiner

PhD lecture C

10:00 – 10:30 Modeling of magnetic reconnection L. Lewerentz (IPP,HGW)

10:30 – 11:00 [Coffee break](#)

PhD lecture C

11:00 – 11:30 Nitrogen induced H-mode detachment at ASDEX Upgrade F. Reimold (IPP,GAR)

11:30 – 12:00 Characteristics and Dynamics of the Extended Boundary Layer in RF-driven Sources for Negative Hydrogen Ions C. Wimmer (IPP,GAR)

12:00 – 12:30 Negative ion formation in collisions of energetic ions with O₂ , SF₆ molecules A. John (EMAU,HGW)

12:30 – 13:30 [Lunch](#)

PhD lectures C

13:30 – 14:00 Evolution of electromagnetic fluctuations during magnetic reconnection (IPP,HGW) A. von Stechow



Guest lecture D

14:00 – 15:00 Gyrokinetic Plasma Modeling R. Sydora

15:00 – 15:30 Coffee break

15:30 -17:30 Poster session

PhD Poster Session – B

C. Kowitz (TUM)	An Algorithm for Scheduling several Instances of GENE for the Sparse Grid Combination Technique
G. Meisl (IPP-GAR)	Dynamic of N wall inventory: first results from AUG
L. Mendoza (IPP-GAR)	Solving the Vlasov equation using the Semi-Lagrangian method on multiple patches for the GYSELA code
M. Müller (IPP-HGW)	Investigation of mass selected anionic clusters by laser excitation and photoelectron spectroscopy
M. Oberparleiter (IPP-GAR)	Effects of neoclassical physics in gyrokinetic simulations of ITG turbulence
A. Schella (IPP-HGW)	From Transport to Disorder: Thermodynamic properties on finite dust clouds
T. Teichmann (IPP-HGW)	Momentum transport through sheaths
M. Weidl (IPP-GAR)	High-Energy Cosmic Rays in Magnetic Turbulence
M. Weiland (IPP-GAR)	Influence of MHD instabilities and RF heating on the fast ion distribution in ASDEX Upgrade
O. Zacharias (IPP-HGW)	Gyrokinetic simulations of tearing modes

18:00 Informal Get2together



Thursday, 19 September 2013

PhD internal session
(9:00 10:30)

Adjourn

Travel