



Final Agenda HEPP Colloquium 2012

Date 26 – 28 September 2012

Location Alfried Krupp Wissenschaftskolleg Greifswald
Martin-Luther-Straße 14
D-17489 Greifswald

<http://www.wiko-greifswald.de/en/programme/conferences-symposia-and-summer-schools.html>

Tuesday, 25 September 2012

09:00 – 19:00 *Travel GAR – HGW by travel coach (only GAR students)*

Wednesday, 26 September 2012

08:30 – 09:00 *Registration*

Welcome

09:00 – 09:05	HEPP representatives	Th. Klinger + F. Jenko, IPP
09:05 – 09:10	WiKo representative	Ch. Suhm, WiKo
09:10 – 09:15	EMAU representative	K. Fesser, EMAU
09:15 – 09:45	The EMAU Institute of Physics	A. Melzer, EMAU

Guest lecture A

09:45 – 10:45	Plasma Medicine	K.D. Weltmann, INP
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10:45 – 11:15 *Coffee break*



Open forum / Round table
(only IPP students)

11:15 – 12:15 Open forum /Round table (Wiss.Dir. S. Günter)

12:15 – 13:15 Lunch (Catering @ WiKo)

PhD Poster Session – A

S. Bandelow (EMAU)	Production of Multi-anionic Metal Clusters in a Paul trap
V. Bratanov (IPP-GAR)	On Linear Landau Damping and Its Effect on Turbulent Spectra
A. Burckhart (IPP-GAR)	Analysis of the Peeling-Ballooning Boundary in H-Mode Discharges
S. Drache (EMAU)	Time-resolved diagnostics of assisted high power impulse magnetron sputtering discharge used for thin film depositions
J. Duras (EMAU)	Particle In Cell simulations of ion thruster plumes S. Fietz (IPP) Investigation of the Neoclassical-Tearing-Mode Seeding
G. Fuchert (Uni Stuttgart)	Influence of plasma edge dynamics on blob properties
A. E. John (EMAU)	Energy Distribution of Sputtered Atoms and Ions from Energetic Ion Bombardment of GaAs
Oberparleiter, M. (IPP-GAR)	Interaction between the neoclassical equilibrium and ITG turbulence
R. Piechoczek (IPP-GAR)	Deuterium Trapping and Release in Be(0001), Be(11-20) and polycrystalline Beryllium
K. Rackow (INP)	Electrode erosion during steady state operation of fluorescent lamps
S. Rathgeber (IPP-GAR)	Investigations of Kinetic Edge Profiles and their Gradients of Magnetically Perturbed ASDEX Upgrade Plasmas



still PhD Poster Session – A

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| F. Reimold (IPP-GAR) | H-Mode Detachment in Nitrogen-Seeded Discharges in ASDEX Upgrade with SOLPS |
| B. Ruf (IPP-GAR) | Reconstruction of Neutral Beam Properties from Beamline Diagnostics |
| M. Schneller (IPP-GAR) | Non-Linear Alfvénic Fast-Particles Transport and Losses |
| A. Stegmeir (IPP-GAR) | Numerical Simulations of Edge and Scrape-Off Layer Turbulence: Diffusion and Outlook to Turbulence |
| M. Weidl (IPP-GAR) | Scaling Theories for Cosmic-Ray Diffusion |
| O. Zacharias (IPP-HGW) | Gyrokinetic simulations of collisionless tearing modes |

15:15 – 15:45 Coffee break

Guest lecture B

15:45 – 16:45 ITER - Status and Prospects G. Janeschitz, ITER

16:45 Transfer WiKo – IPP HGW (travel coach + IPP busses)

Visit

17:15 – 18:30 W7X tour

19:00 Get2Gether / Buffet Dinner (Catering @ IPP Greifswald)



Thursday, 27 September 2012

PhD lectures A

09:00 – 09:30	Kinetic Simulations of Low-Temperature Plasmas	G. Bandelow, EMAU
09:30 – 10:00	Systems Analysis of Next-Step Fusion Devices	T. Hartmann, IPP-GAR
10:00 – 10:30	Stochastization of the Magnetic Edge and its Influence on Heat Transport to the Divertor at LHD	P. Drewelow, IPP-HGW

10:30 – 11:00 Coffee break

PhD lectures B

11:00 – 11:30	Surface Vibrational Relaxation of N ₂ Studied by CO ₂ Titration in Time-Resolved Quantum Cascade Laser Absorption Spectroscopy	D. Lopatik, INP
11:30 – 12:00	Simulation of Neutron Damages in Tungsten for Fusion Applications	E. Markina, IPP-GAR
12:00 – 12:30	3D Structures of the Non-Linear ELM Phase	R. Wenninger, IPP-GAR

12:30 – 13:30 Lunch (Catering @ WiKo)



PhD Poster Session – B

M. Bernert (IPP-GAR)	Investigations on the H-Mode Density limit at ASDEX Upgrade
T. M. Bird (IPP-HGW)	Turbulent transport in 3-D magnetic confinement configurations
H. Bohlin (IPP-HGW)	Global plasma dynamics during magnetic reconnection in the VINETAII experiment
S. Gierke (EMAU)	The Greifswald EBIT
J. Grießhammer (IPP-GAR)	Modelling Resonant Magnetic Perturbations in MHD
D. Jarema (TUM)	Grid Generation for GENE (Gyrokinetic Electromagnetic Numerical Experiment)
C. Kowitz (TUM)	Combination Technique for the Gyrokinetic Eigenvalue Problem
L. Lewerenz (EMAU)	Modelling of Magnetic Reconnection
A. Limone (IPP-GAR)	Facilitating Dynamo Action via Large-Scale Turbulence Control
G. Meisl (IPP-GAR)	XPS Analysis of Nitrogen Implantation into Tungsten and Its Erosion
M. Müller (EMAU)	Investigation of Anionic Fullerenes by Laser Excitation and Photoelectron Spectroscopy
D. Niemczyk (IPP-HGW)	Laser Induced Fluorescence measurements of wave phenomena in the VINETA experiment
J. Proll (IPP-HGW)	Gyrokinetic TEM stability calculations for quasi-isodynamic stellarators
A. Schella (EMAU)	The INM-approach for finite 3D dust clouds
F. Sommer (IPP-GAR)	H-mode Characterization for Dominant ECRH and Comparison to Dominant NBI Heating at ASDEX Upgrade
A. von Stechow (IPP-HGW)	Dynamics in the Current Sheet of the VINETA II Magnetic Reconnection Experiment
C. Wimmer (IPP-GAR)	Cesium Dynamics and H-Density in the Extended Boundary Layer of Negative Hydrogen Ion Sources for Fusion
R. Wolf (EMAU)	MR-ToF Isobar Separation at ISOLTRAP



Max-Planck-Institut für Plasmaphysik

15:30 – 16:00 Coffee break

PhD lectures C

16:00 – 16:30	Dynamics Structures in Expanding Plasmas	T. Schröder, IPP-HGW
16:30 – 17:00	Non-Thermal Electron Populations in Microwave-Heated Discharges at ASDEX Upgrade	J. Belapure, IPP-GAR
17:00 – 17:30	Inverse Bremsstrahlung Heating in Atomic Clusters Irradiated by Femtosecond Laser Pulses	M. Moll, EMAU

17:30 – 18:00 Coffee break

PhD lectures D

18:00 – 18:30	Radial Electric Field Studies in the Plasma Edge of ASDEX Upgrade	E. Viezzer, IPP-GAR
18:30 – 19:00	Fast-Ion Transport Studies Using FIDA Spectroscopy at ASDEX Upgrade	B. Geiger, IPP-GAR

20:00 Informal Get2Gether (downtown Greifswald)

Friday, 28 September 2012

***PhD internal session
(till 10:00)***

Adjourn

10:00 – 20:00 Travel HGW – GAR by travel coach (only GAR students)