Plasma Physics Division (P)

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Overview of the invited lectures and the individual sessions

(Lecture Halls HS 1010 and HS2010; Poster HS Foyer)

Invited Lectures

P 1.1	Mo	8:30– 9:00	HS 2010	**Using Fullwave Simulations to Understand the Turbulent Wavenumber Spectrum Measured by Doppler Reflectometry** — •Carsten Lechte, Garrard Conway, Tobias Görler, Tim Happel, Carolin Tröster-Schmid, The ASDEX Upgrade Team
P 3.1	Mo	14:00–14:30	HS 1010	**Numerical studies of plasma-object interactions** — •Wojciech Miloch
P 4.1	Mo	14:00–14:30	HS 2010	**Atmospheric reactive plasma jet machining technologies for ultra-precision optical surface manufacturing** — •Thomas Arnold
P 9.1	Di	8:30– 9:00	HS 2010	**Summary of the Edge Physics Results from the First Operation Phase of the Wendelstein 7-X Stellarator** — •Ralf König, W7-X team
P 9.2	Di	9:00– 9:30	HS 2010	**Physics of heat and momentum transport changes in ohmically confined tokamak plasmas** — •Rachael McDermott, Alexander Lebschy, Ivan Erofeev, Clemente Angioni, Emiliano Fable, the ASDEX Upgrade Team
P 10.1	Di	14:00–14:30	HS 2010	**Filamentary plasma eruptions: results from the nonlinear ballooning model** — •Sophia A. Henneberg, Steven C. Cowley, Howard R. Wilson
P 16.1	Mi	8:30– 9:00	HS 1010	**Influence of released surface electrons on the pre-ionization of helium barrier discharges** — •Robert Tschiersch, Sebastian Nemschokmichal, Jürgen Meichsner
P 17.1	Mi	8:30– 9:00	HS 2010	**PK-4 - Complex Plasmas under Microgravity** — •Markus Thoma
P 18.1	Mi	14:30–15:00	HS 2010	**The structure and its role in uncovering the physics of warm dense matter** — •Jan Vorberger
P 24.1	Do	8:30– 9:00	HS 1010	**Quasi-steady state plasma operation in the Be/W material mix: from the JET tokamak to ITER** — •Sebastijan Brezinsek
P 25.1	Do	8:30– 9:00	HS 2010	**Modeling streamer discharges in strong magnetic fields** — •Jannis Teunissen, Anbang Sun, Ute Ebert
P 27.1	Do	14:00–14:30	HS 2010	**Plasma discharges for the ambient processing of materials** — •James Bradley

Hauptvorträge des fachübergreifenden Symposiums SYPO

Das vollständige Programm dieses Symposiums ist unter SYPO aufgeführt.

SYPO 2.1	Mi	14:10–14:35	GW1 HS	**Herstellung von Interferenz-Schichtsystemen - vom Design zum fertigen Filter** — •Detlef Arhilger
SYPO 2.2	Mi	14:35–15:00	GW1 HS	**Praxisnahe Modellierung von Ionenstrahl-Zerstäubungsprozessen** — •Kai Starke, Benjamin Lotz, Wjatscheslaw Sakiew, Stefan Schrameyer
SYPO 2.3	Mi	15:00–15:25	GW1 HS	**Stabilisierung des Ionenstrahl-Zerstäubungs-Prozesses über adaptiv geregelte Prozessparameter** — •Florian Carstens
SYPO 2.4	Mi	15:25–15:50	GW1 HS	**Interface chemistry of thin films deposited from pulsed high power plasmas** — •Guido Grundmeier

SYPO 4.1	Mi	16:20–16:45	GW1 HS	**Diagnostics and Control Schemes for Industrial PIAD Processes** — •Jens Harhausen, Rüdiger Foest, Christian Franke, Olaf Stenzel, Jochen Wauer, Steffen Wilbrandt
SYPO 4.2	Mi	16:45–17:10	GW1 HS	**Wiederholbarkeit optischer Konstanten von plasmagestützt abgeschiedenen Oxidschichten** — •Olaf Stenzel, Steffen Wilbrandt
SYPO 4.3	Mi	17:10–17:35	GW1 HS	**Die Multipolresonanzsonde: Von der Diagnostik zur Systemanwendung** — •Moritz Oberberg, Marcel Fiebrandt, Stefan Ries, Nikita Bibinov, Peter Awakowicz
SYPO 4.4	Mi	17:35–18:00	GW1 HS	**Low stress transparent materials for optical coatings on flexible substrates** — •Melanie Gauch, Henrik Ehlers, Detlev Ristau

Sessions

P 1.1–1.6	Mo	8:30–10:15	HS 2010	**Plasma Diagnostics I**
P 2.1–2.5	Mo	8:30–10:35	HS 1010	**Helmholtz Graduate School I**
P 3.1–3.6	Mo	14:00–15:55	HS 1010	**Dusty Plasmas I**
P 4.1–4.7	Mo	14:00–16:00	HS 2010	**Plasma Technology**
P 5.1–5.10	Mo	16:30–18:30	HS Foyer	**Plasma Diagnostics**
P 6.1–6.16	Mo	16:30–18:30	HS Foyer	**Helmholtz Graduate School I**
P 7.1–7.13	Mo	16:30–18:30	HS Foyer	**Complex and Dusty Plasmas**
P 8.1–8.6	Di	8:30–10:20	HS 1010	**Plasma Diagnostics II**
P 9.1–9.4	Di	8:30–10:10	HS 2010	**Magnetic Confinement I**
P 10.1–10.6	Di	14:00–15:45	HS 2010	**Theory and Modeling I**
P 11.1–11.6	Di	14:00–16:30	HS 1010	**Helmholtz Graduate School II**
P 12.1–12.5	Di	16:30–18:30	HS Foyer	**Theory and Modelling I**
P 13.1–13.14	Di	16:30–18:30	HS Foyer	**Magnetic Confinement**
P 14.1–14.6	Di	16:30–18:30	HS Foyer	**Plasma Wall Interaction**
P 15.1–15.26	Di	16:30–18:30	HS Foyer	**Helmholtz Graduate School II**
P 16.1–16.5	Mi	8:30–10:10	HS 1010	**Plasma Diagnostics III**
P 17.1–17.6	Mi	8:30–10:25	HS 2010	**Dusty Plasmas II**
P 18.1–18.4	Mi	14:30–15:45	HS 2010	**Theory and Modeling II**
P 19.1–19.4	Mi	15:00–16:00	HS 1010	**Plasma Diagnostics IV**
P 20.1–20.2	Mi	16:30–18:30	HS Foyer	**Laser Plasmas**
P 21.1–21.4	Mi	16:30–18:30	HS Foyer	**Plasma Technology**
P 22.1–22.11	Mi	16:30–18:30	HS Foyer	**Theory and Modelling II**
P 23.1–23.16	Mi	16:30–18:30	HS Foyer	**Low Temperature Plasmas**
P 24.1–24.6	Do	8:30–10:15	HS 1010	**Plasma Wall Interaction**
P 25.1–25.7	Do	8:30–10:30	HS 2010	**Theory and Modeling III**
P 26.1–26.1	Do	11:00–11:45	HS 2010	**Plenarvortrag Annemie Bogaerts**
P 27.1–27.5	Do	14:00–16:00	HS 2010	**Low Temperature Plasmas**
P 28.1–28.6	Do	14:00–16:30	HS 1010	**Helmholtz Graduate School III**

General Assembly Section Plasma Physics

Wednesday 14:00–14:30 Lecture Hall HS2010

- Report
- Elections
- Miscellaneous

Conference Language

The default conference language of the plasma physics section of the DPG is English to allow the conference attendance of international researchers from abroad as well as from German plasma groups.