

## Plasma Physics Division Fachverband Plasmaphysik (P)

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### Overview of Invited Talks and Sessions

(Lecture rooms b302 and b305; Poster Empore Lichthof)

#### Invited Talks

P 2.1	Mon	11:00–11:30	b305	<b>Mid-infrared cavity enhanced absorption spectroscopy of gas and surface species</b> — ●JEAN-PIERRE VAN HELDEN, NORBERT LANG, ANDY NAVE, JÜRGEN RÖPCKE
P 3.1	Mon	14:30–15:00	b302	<b>Advances in Laser Manipulation of Dusty Plasmas</b> — ●JAN SCHABLINSKI, FRANK WIEBEN, DIETMAR BLOCK
P 4.1	Mon	14:30–15:00	b305	<b>Impact of electron attachment processes on nonthermal plasmas</b> — ●JÜRGEN MEICHSNER, SEBASTIAN NEMSCHOKMICHAL, ROBERT TSCHIERSCH, THOMAS WEGNER
P 6.1	Tue	11:00–11:30	b302	<b>ns-Pulsed Micro-Plasmas at Atmospheric Pressures</b> — ●UWE CZARNETZKI
P 7.1	Tue	11:00–11:30	b305	<b>Erste Ergebnisse an Wendelstein 7-X</b> — ●HANS-STEPHAN BOSCH, W7-X TEAM
P 8.1	Tue	14:30–15:00	b302	<b>Nanometer-scale characterization of laser-driven plasmas, compression, shocks and phase transitions, by coherent small angle x-ray scattering</b> — ●THOMAS KLUGE, MELANIE RÖDEL, ALEXANDER PELKA, EMMA MCBRIDE, LUKE FLETCHER, CHRISTIAN RÖDEL, SIEGFRIED GLENZER, MICHAEL BUSSMANN, ULRICH SCHRAMM, THOMAS COWAN
P 9.1	Tue	14:30–15:00	b305	<b>Computer simulations of correlated fermions—from quantum plasmas to ultracold atoms and plasma-surface interaction</b> — ●MICHAEL BONITZ
P 13.1	Wed	11:00–11:30	b302	<b>Power exhaust by impurity seeding in fusion reactors</b> — ●MATTHIAS BERNERT, FELIX REIMOLD, ARNE KALLENBACH, BRUCE LIPSCHULTZ, RALPH DUX, MARCO WISCHMEIER, THE ASDEX UPGRADE TEAM, THE EUROFUSION MST1 TEAM
P 17.1	Wed	14:30–15:00	b305	<b>Plasma measurement and control: challenges and recent advances</b> — ●TIMO GANS
P 21.1	Thu	11:00–11:30	b302	<b>The behavior of helium in fusion plasmas</b> — ●ATHINA KAPPATOU, RACHAEL M. McDERMOTT, CLEMENTE ANGIANI, THOMAS PÜTTERICH, RALPH DUX, MICHAEL G. DUNNE, RUDOLF NEU, ALEXANDER LEBSCHY, ELEONORA VIEZZER, MARCO CAVEDON, THE EUROFUSION MST1 TEAM, THE ASDEX UPGRADE TEAM
P 21.2	Thu	11:30–12:00	b302	<b>Energy and Particle Core Transport in Tokamaks and Stellarators compared</b> — ●MARC BEURSKENS, CLEMENTE ANGIANI, CRAIG BEIDLER, ANDREAS DINKLAGE, GOLO FUCHERT, MATTHIAS HIRSCH, THOMAS PUETTERICH, ROBERT WOLF
P 22.1	Thu	11:00–11:30	b305	<b>Fluid-kinetisches Hybrid Modell für Plasmarandtransport in He-Plasma am Stellarator Wendelstein 7-X</b> — ●MICHAEL RACK, DETLEV REITER, FELIX HASENBECK, YUHE FENG, PETRA BÖRNER
P 24.1	Thu	14:30–15:00	b305	<b>Design and characteristics of the COST Reference Microplasma Jet for bio-medicine</b> — ●JUDITH GOLDA, JULIAN HELD, VOLKER SCHULZ-VON DER GATHEN

## Invited talks of the joint symposium SYAD

See SYAD for the full program of the symposium.

SYAD 1.1	Tue	11:00–11:30	e415	<b>Artificial gauge fields and topology with ultracold atoms in optical lattices</b> — ●MONIKA AIDELSBURGER
SYAD 1.2	Tue	11:30–12:00	e415	<b>Many-body physics with impurities in ultracold quantum gases</b> — ●FABIAN GRUSDT
SYAD 1.3	Tue	12:00–12:30	e415	<b>How to determine the handedness of single molecules</b> — ●MARTIN PITZER
SYAD 1.4	Tue	12:30–13:00	e415	<b>Quantum systems under gravitational time dilation</b> — ●MAGDALENA ZYCH

## Sessions

P 1.1–1.5	Mon	11:00–13:05	b302	<b>Helmholtz Graduate School for Plasma Physics I</b>
P 2.1–2.7	Mon	11:00–13:10	b305	<b>Plasma Diagnostics I</b>
P 3.1–3.5	Mon	14:30–16:10	b302	<b>Dusty Plasmas I</b>
P 4.1–4.6	Mon	14:30–16:35	b305	<b>Plasma Technology</b>
P 5.1–5.32	Mon	16:30–19:00	Empore Lichthof	<b>Poster Session- Helmholtz Graduate School for Plasma Physics</b>
P 6.1–6.6	Tue	11:00–12:55	b302	<b>Low temperature plasmas I</b>
P 7.1–7.6	Tue	11:00–12:55	b305	<b>Magnetic Confinement I</b>
P 8.1–8.9	Tue	14:30–17:00	b302	<b>Laser Plasmas I</b>
P 9.1–9.7	Tue	14:30–16:40	b305	<b>Theory and Modelling I</b>
P 10.1–10.13	Tue	16:30–19:00	Empore Lichthof	<b>Poster Session- Dusty Plasmas</b>
P 11.1–11.3	Tue	16:30–19:00	Empore Lichthof	<b>Poster Session- Plasma Wall Interaction</b>
P 12.1–12.10	Tue	16:30–19:00	Empore Lichthof	<b>Poster Session: Magnetic Confinement</b>
P 13.1–13.4	Wed	11:00–12:15	b302	<b>Plasma Wall Interactions</b>
P 14.1–14.5	Wed	11:00–12:25	b305	<b>Dusty Plasmas II</b>
P 15	Wed	12:30–13:30	b305	<b>Mitgliederversammlung Fachverband Plasmaphysik</b>
P 16.1–16.9	Wed	14:30–16:55	b302	<b>Theory and Modelling II</b>
P 17.1–17.6	Wed	14:30–16:35	b305	<b>Plasma Diagnostics II</b>
P 18.1–18.4	Wed	16:30–19:00	Empore Lichthof	<b>Poster Session- Plasma Technology</b>
P 19.1–19.6	Wed	16:30–19:00	Empore Lichthof	<b>Poster Session- Laser Plasmas</b>
P 20.1–20.28	Wed	16:30–19:00	Empore Lichthof	<b>Poster Session- Low Temperature Plasmas</b>
P 21.1–21.5	Thu	11:00–12:55	b302	<b>Magnetic Confinement II</b>
P 22.1–22.7	Thu	11:00–13:10	b305	<b>Theory and Modelling III</b>
P 23.1–23.5	Thu	14:30–16:25	b302	<b>Helmholtz Graduate School for Plasma II</b>
P 24.1–24.6	Thu	14:30–16:25	b305	<b>Low Temperature Plasmas II</b>
P 25.1–25.18	Thu	16:30–19:00	Empore Lichthof	<b>Poster Session- Theory and Modelling</b>
P 26.1–26.21	Thu	16:30–19:00	Empore Lichthof	<b>Poster Session-Plasma Diagnostics</b>
P 27.1–27.7	Fri	11:00–12:45	b305	<b>Low Temperature Plasmas III</b>

## Annual General Meeting of the Plasma Physics Division

Wednesday 12:30–13:30 b305

- Bericht
- Wahl
- Verschiedenes