

Plasma Physics Division Fachverband Plasmaphysik (P)

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Overview of Invited Talks and Sessions

(Lecture halls b302 and b305; Poster Empore Lichthof)

Invited Talks

P 2.1	Mon	11:00–11:30	b305	Streamer inception and imaging in various atmospheres — ●SANDER NIJDAM, SIEBE DIJCKS, SHAHRIAR MIRPOUR
P 3.1	Mon	14:00–14:30	b302	Diagnostics of magnetized high frequency technological plasmas — ●JULIAN SCHULZE, MORITZ OBERBERG, BIRK BERGER, JENS KALLÄHN, DENNIS ENGEL, CHRISTIAN WÖLFEL, JAN LUNZE, RALF PETER BRINKMANN, PETER AWAKOWICZ
P 4.1	Mon	14:00–14:30	b305	Physics studies with high-power electron cyclotron heating (ECRH) on ASDEX Upgrade — ●JÖRG STOBER, ASDEX UPGRADE TEAM
P 6.1	Tue	11:00–11:30	b302	Predictive modelling of beryllium erosion, transport and deposition during H, He and DT plasmas in ITER — ●JURI ROMAZANOV, SEBASTIJAN BREZINSEK, ANDREAS KIRSCHNER, DMITRIY BORODIN, ALINA EKSAEVA, RICHARD A. PITTS, VLADISLAV S. NEVEROV, CHRISTIAN LINSMEIER
P 7.1	Tue	11:00–11:30	b305	Simulation of microarcs: challenges and perspectives — ●MARGARITA BAEVA, DETLEF LOFFHAGEN, MARKUS M. BECKER, ERWAN SIEWERT, DIRK UHRLANDT
P 9.1	Tue	14:00–14:30	b305	The Wendelstein 7-X Scrape-Off Layer — ●CARSTEN KILLER, W7-X TEAM
P 11.1	Wed	11:00–11:30	b302	Visualizing the Dynamics of a Plasma-Based Particle Accelerator — ●MALTE KALUZA
P 12.1	Wed	11:00–11:30	b305	Surface modification with atmospheric-pressure plasmas - applications and challenges — ●CLAUS-PETER KLAGES, LARS BRÖCKER, ANDREAS CZERNY, STEFAN KOTULA, MERET LEONIE LEHNER, ANDRIS MARTINOV, VITALY RAEV
P 15.1	Wed	14:00–14:30	b305	How turbulence sets boundaries for fusion plasma operation — ●PETER MANZ, THOMAS EICH, THE ASDEX UPGRADE TEAM
P 18.1	Thu	11:00–11:30	b302	Experiments on Binary Dust Mixtures — ●FRANK WIEBEN, DIETMAR BLOCK
P 18.2	Thu	11:30–12:00	b302	Structure and transport in magnetized gas discharges related to dusty plasmas — ●PETER HARTMANN, MARLENE ROSENBERG
P 20.1	Thu	14:00–14:30	b302	The interaction of lasers with material using pulse durations from fs to ns — ●GEORG PRETZLER, STEFFEN MITTELMANN, JANNIS OELMANN, JULIAN WEGNER, SEBASTIJAN BREZINSEK
P 21.1	Thu	14:00–14:30	b305	Overview on turbulence in the shear- and scrape-off layer at W7-X — ●ANDREAS KRÄMER-FLECKEN, OLAF GRULKE, XIANG HAN, CARSTEN KILLER, ELISEE TRIER, THOMAS WINDISCH, HAOMING XIANG

Invited talks of the joint symposium SYAI

See SYAI for the full program of the symposium.

SYAI 1.1	Mon	14:00–14:30	e415	Atom interferometry and its applications for gravity sensing — •FRANCK PEREIRA DOS SANTOS, LUC ABSIL, ROMAIN CALDANI, XIAOBING DENG, ROMAIN KARCHER, SÉBASTIEN MERLET, RAPHAËL PICCON, SUMIT SARKAR
SYAI 1.2	Mon	14:30–15:00	e415	Atom interferometry for advanced geodesy and gravitational wave observation — •PHILIPPE BOUYER
SYAI 1.3	Mon	15:00–15:30	e415	Fundamental physics with atom interferometry — •PAUL HAMILTON
SYAI 1.4	Mon	15:30–16:00	e415	Atoms and molecules interacting with light — •LUCIA HACKERMÜLLER

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	Electron Pulse Control with Terahertz Fields — •DOMINIK EHBERGER
SYAD 1.2	Tue	11:30–12:00	e415	Laser-Based High-Voltage Metrology with ppm Accuracy — •KRISTIAN KÖNIG, CHRISTOPHER GEPPERT, PHILLIP IMGRAM, JÖRG KRÄMER, BERNHARD MAASS, JOHANN MEISNER, ERNST OTTEN, STEPHAN PASSON, TIM RATAJCZYK, JOHANNES ULLMANN, WILFRIED NÖRTERSCHÄUSER
SYAD 1.3	Tue	12:00–12:30	e415	Structured singular light fields — •EILEEN OTTE
SYAD 1.4	Tue	12:30–13:00	e415	Coherent Coupling of a Single Molecule to a Fabry-Perot Microcavity — •DAQING WANG

Sessions

P 1.1–1.2	Sun	16:00–18:00	a310	Tutorial Plasma Physics (joint session AKjDPG/P)
P 2.1–2.5	Mon	11:00–12:30	b305	Atmospheric-pressure plasma and applications 1
P 3.1–3.5	Mon	14:00–15:30	b302	Low-temperature plasma and applications 1
P 4.1–4.5	Mon	14:00–16:00	b305	Helmholtz Graduate School 1 and Magnetic confinement 1
P 5.1–5.38	Mon	16:30–18:30	Empore Lichthof	Poster Session 1
P 6.1–6.6	Tue	11:00–12:55	b302	Plasma-surface interaction
P 7.1–7.7	Tue	11:00–13:00	b305	Atmospheric-pressure plasma and applications 2
P 8.1–8.5	Tue	14:00–15:25	b302	Low-temperature plasma and applications
P 9.1–9.5	Tue	14:00–16:10	b305	Helmholtz Graduate School 2 and Magnetic confinement 2
P 10.1–10.35	Tue	16:30–18:30	Empore Lichthof	Poster Session 2
P 11.1–11.7	Wed	11:00–13:00	b302	Laser plasma and laser applications 1
P 12.1–12.6	Wed	11:00–12:45	b305	Atmospheric-pressure plasma and applications 3
P 13.1–13.1	Wed	13:10–13:55	f303	Lunch talk: German Research Foundation (DFG) (joint session A/K/P/MO/MS/Q)
P 14.1–14.7	Wed	14:00–15:55	b302	Codes and modelling
P 15.1–15.6	Wed	14:00–16:05	b305	Helmholtz Graduate School 3 and Magnetic confinement 3
P 16.1–16.33	Wed	16:30–18:30	Empore Lichthof	Poster Session 3
P 17	Wed	18:30–20:00	b305	Mitgliederversammlung
P 18.1–18.6	Thu	11:00–13:10	b302	Complex plasma and Low-temperature plasma and applications 2
P 19.1–19.6	Thu	11:00–13:10	b305	Helmholtz Graduate School 4 and Magnetic confinement 4
P 20.1–20.7	Thu	14:00–16:00	b302	Laser plasma and laser applications 2
P 21.1–21.5	Thu	14:00–16:00	b305	Helmholtz Graduate School 5

Annual General Meeting of the Plasma Physics Division

Wednesday 18:30–20:00 b305

- Bericht
- Wahl

- Verschiedenes