

## Plasma Physics Division Fachverband Plasmaphysik (P)

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### Overview of Invited Talks and Sessions

(Lecture halls H2, H4, H5, and H6; Poster P)

#### Plenary Talks of the Plasma Physics Division

PV III	Tue	9:00– 9:45	Audimax	<b>ASDEX Upgrade tokamak: 30 years of science and technology development for a fusion power plant</b> — ●ARNE KALLENBACH
PV VI	Wed	9:00– 9:45	Audimax	<b>Low pressure dusty plasmas for the synthesis of nanocrystals and quantum dots</b> — ●UWE KORTSHAGEN

#### Invited Talks

P 1.1	Mon	11:00–11:30	H5	<b>Diagnostics of magnetized high frequency technological plasmas</b> — ●JULIAN SCHULZE, MORITZ OBERBERG, BIRK BERGER, JULIAN ROGGENDORF, DENNIS ENGEL, CHRISTIAN WÖLFEL, JAN LUNZE, RALF PETER BRINKMANN, PETER AWAKOWICZ
P 2.1	Mon	11:00–11:30	H6	<b>Predictive modelling of beryllium erosion, transport and deposition during H, He and DT plasmas in ITER</b> — ●JURI ROMAZANOV, SEBASTIJAN BREZINSEK, ANDREAS KIRSCHNER, RICHARD A. PITTS, VLADISLAV S. NEVEROV, CHRISTIAN LINSMEIER
P 3.1	Mon	16:30–17:00	H6	<b>An overview of the theoretical description and modelling of low-current arcs at small gap distances</b> — ●MARGARITA BAEVA
P 4.1	Tue	11:00–11:30	H5	<b>Overview on turbulence in the shear- and scrape-off layer at W7-X</b> — ●ANDREAS KRÄMER-FLECKEN, OLAF GRULKE, XIANG HAN, CARSTEN KILLER, ELISEE TRIER, THOMAS WINDISCH, HAOMING XIANG
P 6.1	Tue	16:30–17:00	H5	<b>The Wendelstein 7-X Scrape-Off Layer</b> — ●CARSTEN KILLER, W7-X TEAM
P 8.1	Wed	14:00–14:30	H5	<b>Visualizing the Dynamics of a Plasma-Based Particle Accelerator</b> — ●MALTE KALUZA
P 11.1	Thu	11:00–11:30	H4	<b>Microfluidic flow in single-layer dusty plasmas</b> — ●PETER HARTMANN, TRU-ELL W. HYDE
P 12.1	Thu	11:00–11:30	H5	<b>Planetary and astrophysical high Mach-number shocks: kinetic simulations vs in-situ measurements</b> — ●ARTEM BOHDAN, MARTIN POHL, PAUL MORRIS
P 13.1	Thu	14:00–14:30	H4	<b>How turbulence sets boundaries for fusion plasma operation</b> — ●PETER MANZ, THOMAS EICH, THE ASDEX UPGRADE TEAM
P 14.1	Thu	14:00–14:30	H5	<b>Streamer inception and imaging in various atmospheres</b> — ●SANDER NIJDAM, SIEBE DIJCKS, SHAHRIAR MIRPOUR
P 15.1	Thu	16:30–17:00	H5	<b>Physics studies with high-power electron cyclotron heating (ECRH) on ASDEX Upgrade</b> — ●JÖRG STOBER, ASDEX UPGRADE TEAM
P 16.1	Fri	11:00–11:30	H2	<b>Configurational temperature of multi species complex (dusty) plasmas</b> — ●DIETMAR BLOCK, FRANK WIEBEN, MICHAEL HIMPEL, ANDRE MELZER

#### Sessions

P 1.1–1.5	Mon	11:00–12:30	H5	<b>Low Pressure Plasma Sources I</b>
P 2.1–2.4	Mon	11:00–12:25	H6	<b>Magnetic Confinement, Plasma-Wall Interaction &amp; Helmholtz Graduate School I</b>

P 3.1–3.6	Mon	16:30–18:15	H6	<b>Atmospheric Pressure Plasmas and their Applications I</b>
P 4.1–4.3	Tue	11:00–12:00	H5	<b>Magnetic Confinement II</b>
P 5.1–5.46	Tue	14:00–16:00	P	<b>Poster I</b>
P 6.1–6.3	Tue	16:30–17:50	H5	<b>Magnetic Confinement III &amp; Helmholtz Graduate School II</b>
P 7.1–7.3	Wed	14:00–15:15	H4	<b>Helmholtz Graduate School III</b>
P 8.1–8.4	Wed	14:00–15:15	H5	<b>Laser Plasmas I</b>
P 9.1–9.4	Wed	16:30–17:30	H5	<b>Codes and Modelling (Methods)</b>
P 10	Wed	17:45–18:45	MVP	<b>Mitgliederversammlung Plasmaphysik</b>
P 11.1–11.5	Thu	11:00–12:30	H4	<b>Complex Plasmas and Dusty Plasmas I</b>
P 12.1–12.4	Thu	11:00–12:15	H5	<b>Astrophysical Plasmas &amp; Laser Plasmas II</b>
P 13.1–13.4	Thu	14:00–15:45	H4	<b>Magnetic Confinement IV &amp; Helmholtz Graduate School IV</b>
P 14.1–14.7	Thu	14:00–16:00	H5	<b>Atmospheric Pressure Plasmas and their Applications II</b>
P 15.1–15.4	Thu	16:30–18:15	H5	<b>Magnetic Confinement V &amp; Helmholtz Graduate School V</b>
P 16.1–16.5	Fri	11:00–12:30	H2	<b>Low Pressure Plasmas II &amp; Dusty Plasmas II</b>
P 17.1–17.44	Fri	14:00–16:00	P	<b>Poster II</b>

### Annual General Meeting of the Plasma Physics Division

Wednesday 17:45–18:45 MVP