

## Plasma Physics Division Fachverband Plasmaphysik (P)

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### Overview of Invited Talks and Sessions

(Lecture halls P-H11 and P-H12; Poster P)

#### Invited Talks

P 1.1	Mon	11:00–11:30	P-H11	<b>Plasma Physics in EUV Lithography</b> — •IRIS PILCH
P 1.2	Mon	11:30–12:00	P-H11	<b>Optical emission spectroscopy of spokes in magnetron sputtering discharges</b> — •JULIAN HELD, PHILIPP A MAASS, VOLKER SCHULZ-VON DER GATHEN, ACHIM VON KEUDELL
P 1.3	Mon	12:00–12:30	P-H11	<b>Functional coatings by atmospheric pressure plasma technology</b> — •KRISTINA LACHMANN, THOMAS NEUBERT, ANNIKA MANN, MARVIN OMELAN, MICHAEL THOMAS
P 6.1	Tue	11:00–11:30	P-H11	<b>Laser diagnostics on atmospheric pressure plasmas: From basic to fancy</b> — •VOLKER SCHULZ-VON DER GATHEN, THE CRC 1316 TEAM
P 6.2	Tue	11:30–12:00	P-H11	<b>Liquid tin interaction with deuterium plasmas</b> — •ARMIN MANHARD, MARTIN BALDEN, THOMAS SCHWARZ-SELINGER, RUDOLF NEU
P 6.3	Tue	12:00–12:30	P-H11	<b>Plasma jets on surfaces</b> — •ANA SOBOTA
P 10.1	Wed	11:00–11:30	P-H11	<b>AI in fusion: assisting plasma exhaust modelling by machine-learning techniques</b> — •SVEN WIESEN
P 10.2	Wed	11:30–12:00	P-H11	<b>COMPACT - A new complex plasma facility for the ISS</b> — •CHRISTINA A. KNAPEK
P 10.3	Wed	12:00–12:30	P-H11	<b>Optical diagnostics of vacuum arc discharges for switching applications</b> — •SERGEY GORTSCHAKOW, RALF METHLING, STEFFEN FRANKE, DIEGO GONZALEZ, DIRK UHRLANDT, SERGEY POPOV, ALEXANDER BATRAKOV
P 16.1	Thu	11:00–11:30	P-H11	<b>Effect of the green energy revolution on circuit breakers and switches in electrical power distribution systems</b> — •ERIK D. TAYLOR
P 16.2	Thu	11:30–12:00	P-H11	<b>Plasma-beta effects on the island divertor of Wendelstein 7-X</b> — •ALEXANDER KNIEPS, YASUHIRO SUZUKI, JOACHIM GEIGER, ANDREAS DINKLAGE, SONG ZHOU, HENNING THOMSEN, MARCIN JAKUBOWSKI, RALF KÖNIG, MICHAEL ENDLER, YU GAO, YUNFENG LIANG
P 16.3	Thu	12:00–12:30	P-H11	<b>Surface modification of inorganic materials by atmospheric-pressure plasmas</b> — •CLAUS-PETER KLAGES, VITALY RAEV
P 20.1	Fri	11:00–11:30	P-H11	<b>On the hunt for a reactor-relevant scenario for W7-X</b> — •GOLO FUCHERT
P 20.2	Fri	11:30–12:00	P-H11	<b>Plasma für die Gaskonversion: Power-to-X</b> — •ANDREAS SCHULZ, KATHARINA WIEGERS, MATTHIAS WALKER, GÜNTER TOVAR
P 20.3	Fri	12:00–12:30	P-H11	<b>Combined Phase Contrast Imaging and Small-Angle X-Ray Scattering Diagnostic of Relativistic Plasmas at the High Energy Density Instrument at European XFEL</b> — •ALEJANDRO LASO GARCIA, TOMA TONCIAN, HAUKE HOEPPNER, ALEXANDER PELKA, CARSTEN BAEHTZ, ERIK BRAMBRINK, JAN-PATRICK SCHWINKENDORF, MOTOAKI NAKATSUTSUMI, JOHANNES HAGEMANN, THOMAS PRESTON

#### Invited talks of the joint symposium Plasmas in the Universe (SYPU)

See SYPU for the full program of the symposium.

SYPU 1.1	Wed	9:00– 9:30	Audimax	<b>Recent progress in simulations of dense quantum plasmas and warm dense matter</b> — ●MICHAEL BONITZ, PAUL HAMANN, TOBIAS DORNHEIM, ZHANDOS MOLDABEKOV, ALEXEY FILINOV, JAN VORBERGER, PAVEL LEVASHOV
SYPU 1.2	Wed	9:30–10:00	Audimax	<b>The quark gluon plasma: from the laboratory to neutron stars</b> — ●JAN STEINHEIMER
SYPU 1.3	Wed	10:00–10:30	Audimax	<b>Characterizing the QCD Plasma</b> — ●ANDREA DUBLA

## Sessions

P 1.1–1.3	Mon	11:00–12:30	P-H11	<b>Invited talks I</b>
P 2.1–2.5	Mon	14:00–15:15	P-H11	<b>Low Pressure Plasmas I</b>
P 3.1–3.6	Mon	14:00–15:30	P-H12	<b>Laser Plasmas I</b>
P 4.1–4.4	Mon	16:00–17:00	P-H11	<b>Low Pressure Plasmas II / Laser Plasmas II</b>
P 5.1–5.3	Mon	16:00–17:05	P-H12	<b>Helmholtz Graduated School HEPP I</b>
P 6.1–6.3	Tue	11:00–12:30	P-H11	<b>Invited talks II</b>
P 7.1–7.6	Tue	14:00–15:30	P-H11	<b>Atmospheric Pressure Plasmas I</b>
P 8.1–8.3	Tue	14:00–15:15	P-H12	<b>Helmholtz Graduate School HEPP II</b>
P 9.1–9.49	Tue	16:00–17:30	P	<b>Poster I</b>
P 10.1–10.3	Wed	11:00–12:30	P-H11	<b>Invited talks III</b>
P 11.1–11.6	Wed	14:00–15:30	P-H11	<b>Codes and Modelling</b>
P 12.1–12.6	Wed	14:00–15:30	P-H12	<b>Magnetic Confinement / Plasma Wall Interaction I</b>
P 13.1–13.5	Wed	16:00–17:15	P-H11	<b>Dusty Plasmas</b>
P 14.1–14.4	Wed	16:00–17:10	P-H12	<b>Plasma Wall Interaction II / HEPP III</b>
P 15	Wed	17:30–18:30	P-MV	<b>Annual General Meeting</b>
P 16.1–16.3	Thu	11:00–12:30	P-H11	<b>Invited talks IV</b>
P 17.1–17.5	Thu	14:00–15:15	P-H11	<b>Astrophysical Plasmas</b>
P 18.1–18.3	Thu	14:00–15:15	P-H12	<b>Helmholtz Graduate School HEPP IV</b>
P 19.1–19.48	Thu	16:00–17:30	P	<b>Poster II</b>
P 20.1–20.3	Fri	11:00–12:30	P-H11	<b>Invited talks V</b>
P 21.1–21.7	Fri	14:00–15:45	P-H11	<b>Atmospheric Pressure Plasmas II</b>
P 22.1–22.3	Fri	14:00–15:15	P-H12	<b>Helmholtz Graduate School HEPP V</b>

## Annual General Meeting of the Plasma Physics Division

Wednesday 17:30–18:30 P-MV