

Fachverband Plasmaphysik (P)

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Übersicht der Hauptvorträge und Fachsitzungen

(Hörsäle HZO 30 und HZO 50; Poster Foyer Audimax)

Hauptvorträge

| | | | | |
|--------|----|-------------|--------|--|
| P 1.1 | Mo | 10:30–11:00 | HZO 50 | Transport in stark korrelierten Plasmen - Einfluss von externen Magnetfeldern — •TORBEN OTT |
| P 2.1 | Mo | 10:30–11:00 | HZO 30 | Impact of magnetic perturbation fields on tokamak plasmas — •SINA FIETZ, IVO CLASSEN, MARC MARASCHEK, WOLFGANG SUTTROP, HARTMUT ZOHN, THE ASDEX UPGRADE TEAM |
| P 3.1 | Mo | 14:00–14:30 | HZO 50 | The importance of impurity migration in present and future fusion experiments — •KLAUS SCHMID, GERD MEISL, KARL KRIEGER |
| P 3.2 | Mo | 14:30–15:00 | HZO 50 | Laserablation zur Echtzeitcharakterisierung der Wand in Fusionsexperimenten — •NIELS GIERSE |
| P 4.1 | Mo | 14:00–14:30 | HZO 30 | Plasmaoberflächentechnik zur Erzeugung bioaktiver Oberflächen — •MARTIN POLAK |
| P 9.1 | Di | 10:30–11:00 | HZO 30 | Oberflächenladungsmessungen an lateral strukturierten Barrierenentladungen — •ROBERT WILD, LARS STOLLENWERK |
| P 10.1 | Di | 10:30–11:00 | HZO 50 | Theorie und Simulation dichter Plasmen — •MARTIN FRENCH, ANDREAS BECKER, RONALD REDMER |
| P 11.1 | Di | 14:00–14:30 | HZO 30 | Cold atmospheric plasmas in medicine: basic mechanisms and practical applications — •THOMAS VON WOEDTKE |
| P 18.1 | Mi | 10:30–11:00 | HZO 30 | En route to matter-antimatter pair plasmas — •EVE V. STENSON, UWE HERGENHAHN, HOLGER NIEMANN, NORBERT PASCHKOWSKI, HARUHIKO SAITOH, JULIANE STANJA, THOMAS SUNN PEDERSEN, LUTZ SCHWEIKHARD, CHRISTOPH HUGENSCHMIDT, JAMES R. DANIELSON, CLIFFORD M. SURKO |
| P 19.1 | Mi | 10:30–11:00 | HZO 50 | Staubige Plasmen in Magnetfeldern — •MARIAN PUTTSCHER, ANDRÉ MELZER |
| P 20.1 | Mi | 14:00–14:30 | HZO 30 | Non-equilibrium Warm Dense Matter — •ANDREW NG |
| P 21.1 | Mi | 14:00–14:30 | HZO 50 | Turbulence optimisation in stellarator experiments — •JOSEFINE H. E. PROLL, BENJAMIN J. FABER, PER HELANDER, SAMUEL A. LAZERSON, HARRY E. MYNICK, PAVLOS XANTHOPOULOS |
| P 23.1 | Mi | 16:30–17:00 | HZO 30 | Physical Modeling and Numerical Simulation of Vacuum Switch Arcs — •NORBERT WENZEL |
| P 27.1 | Do | 14:00–14:00 | HZO 30 | Kalorimetrische Sonden und Kraftsonden zur Plasmadiagnostik — •THOMAS TROTTENBERG |
| P 29.1 | Do | 16:30–17:00 | HZO 30 | Abschwächung von Disruptionen in Tokamakplasmen durch massive Gasinjektion — •HANS RUDOLF KOSLOWSKI |

Hauptvorträge des fachübergreifenden Symposiums SYOT

Das vollständige Programm dieses Symposiums ist unter SYOT aufgeführt.

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| SYOT 1.1 | Di | 10:40–11:20 | HZO 80 | Schichtsysteme für komplexe Anforderungen — •HANS BECKER |
| SYOT 1.2 | Di | 11:20–12:00 | HZO 80 | Surface Reactivity of Sputtered Complex Metal Nitride Films in Oxygen Containing Environments - The Surface Near Region of TiAlN(O) Coatings — •GUIDO GRUNDMEIER, CHRISTIAN KUNZE, MARTIN WIESING |

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| SYOT 1.3 | Di | 12:00–12:40 | HZO 80 | Pluto Plus: Erhöhung der Qualität und Ausbeute optischer Beschichtungstechnologien — ●HARRO HAGEDORN |
| SYOT 2.1 | Di | 14:00–14:30 | HZO 80 | Charakterisierung des PIAD-Plasmas - aktueller Stand und neue Ansätze — ●JENS HARHAUSEN, DETLEF LOFFHAGEN, RÜDIGER FOEST |
| SYOT 2.2 | Di | 14:30–15:00 | HZO 80 | Untersuchungen an plasma-ionengestützt abgeschiedenen UV-Schichten auf Aluminiumoxidbasis — ●CHRISTIAN FRANKE, OLAF STENZEL, STEFFEN WILBRANDT, NORBERT KAISER, ANDREAS TÜNNERMANN |
| SYOT 2.3 | Di | 15:00–15:30 | HZO 80 | Deposition von SiO_x-Barrierschichten aus gepulsten Mikrowellenplasmen: Korrelation von Plasmadiagnostik und Schichtanalytik — ●PETER AWAKOWICZ, FELIX MITSCHKER, SIMON STEVES, NIKITA BIBINOV, BERKEM OEZKAYA, GUIDO GRUNDMEYER |
| SYOT 2.4 | Di | 15:30–16:00 | HZO 80 | Ansätze für einen adaptiven Ionenstrahl-Zerstäubungs-Prozess (IBS) — ●FLORIAN CARSTENS |
| SYOT 2.5 | Di | 16:30–17:00 | HZO 80 | Prozessüberwachung und Prozessregelung auf Basis der Multipolresonanzsonde — ●RALF PETER BRINKMANN |
| SYOT 2.6 | Di | 17:00–17:30 | HZO 80 | Computational approach to the design of amorphous metal oxide coatings for optical applications — THOMAS FRAUENHEIM, ●THOMAS KÖHLER, DETLEV RISTAU, HENRIK EHLERS, MARCUS TUROWSKI, MARC LANDMANN, EVA RAULS |

Fachsitzungen

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|--------------|----|-------------|---------------|--|
| P 1.1–1.6 | Mo | 10:30–12:25 | HZO 50 | Dusty Plasmas I |
| P 2.1–2.6 | Mo | 10:30–12:25 | HZO 30 | Magnetic Confinement I |
| P 3.1–3.8 | Mo | 14:00–16:40 | HZO 50 | Plasma Wall Interactions |
| P 4.1–4.8 | Mo | 14:00–16:25 | HZO 30 | Plasma Technology I |
| P 5.1–5.19 | Mo | 16:30–18:30 | Foyer Audimax | Poster Session - Low Temperature Plasmas |
| P 6.1–6.19 | Mo | 16:30–18:30 | Foyer Audimax | Poster Session - Diagnostics |
| P 7.1–7.13 | Mo | 16:30–18:30 | Foyer Audimax | Poster Session - Dusty Plasmas |
| P 8.1–8.1 | Mo | 16:30–18:30 | Foyer Audimax | Poster Session - Laser Plasmas |
| P 9.1–9.8 | Di | 10:30–13:05 | HZO 30 | Diagnostics I |
| P 10.1–10.10 | Di | 10:30–13:15 | HZO 50 | Theory and Modelling I |
| P 11.1–11.6 | Di | 14:00–15:55 | HZO 30 | Low Temperature Plasmas I |
| P 12.1–12.6 | Di | 14:00–16:10 | HZO 50 | Helmholtz Graduate School for Plasma Physics I |
| P 13.1–13.3 | Di | 16:30–18:30 | Foyer Audimax | Poster Session - Plasma Wall Interactions |
| P 14.1–14.17 | Di | 16:30–18:30 | Foyer Audimax | Poster Session - Theory and Modelling |
| P 15.1–15.9 | Di | 16:30–18:30 | Foyer Audimax | Poster Session - Magnetic Confinement |
| P 16.1–16.21 | Di | 16:30–18:30 | Foyer Audimax | Poster Session - Helmholtz Graduate School for Plasma Physics |
| P 17.1–17.6 | Di | 16:30–18:30 | Foyer Audimax | Poster Session - Plasma Technology |
| P 18.1–18.5 | Mi | 10:30–12:00 | HZO 30 | Low Temperature Plasmas II |
| P 19.1–19.4 | Mi | 10:30–11:55 | HZO 50 | Dusty Plasmas II |
| P 20.1–20.6 | Mi | 14:00–15:45 | HZO 30 | Laser Plasmas I |
| P 21.1–21.7 | Mi | 14:00–16:10 | HZO 50 | Theory and Modelling II |
| P 22.1–22.5 | Mi | 16:30–18:25 | HZO 50 | Helmholtz Graduate School for Plasma Physics II |
| P 23.1–23.6 | Mi | 16:30–18:25 | HZO 30 | Plasma Technology II |
| P 24.1–24.8 | Do | 10:30–12:40 | HZO 50 | Theory and Modelling III |
| P 25.1–25.7 | Do | 10:30–12:25 | HZO 30 | Low Temperature Plasmas III |
| P 26.1–26.8 | Do | 14:00–16:00 | HZO 50 | Plasma Technology III |
| P 27.1–27.8 | Do | 14:00–15:45 | HZO 30 | Diagnostics II |
| P 28.1–28.4 | Do | 16:30–17:30 | HZO 50 | Laser Plasmas II |
| P 29.1–29.3 | Do | 16:30–17:40 | HZO 30 | Magnetic Confinement II |

Mitgliederversammlung Fachverband Plasmaphysik

Mittwoch, 04. März 12:30–13:30 HZO 30