

Short Time-scale Physics Division Fachverband Kurzzeitphysik (K)

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Overview of Invited Talks and Sessions

(Lecture rooms f428; Poster Empore Lichthof)

Invited Talks

K 1.1	Mon	14:30–15:10	f428	Information und Grenze physikalischer Erkenntnis — ●RUDOLF GERMER
K 3.1	Tue	14:30–15:10	f428	Vibrational-rotational and electronic temperatures in laser induced plasma of polyethylene determined by optical emission spectroscopy — ●JOHANNES HEITZ, JURAJ JASIK, JOHANNES D. PEDARNIG, PAVEL VEIS
K 5.1	Wed	11:00–11:40	f428	Strahl- und Optikcharakterisierung für Anwendungen in der Laser-Materialbearbeitung — ●BERND SCHÄFER, KLAUS MANN

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

Invited talks of the joint symposium SYUL

See SYUL for the full program of the symposium.

SYUL 1.1	Fri	11:00–11:50	e415	Exawatt laser concepts for extreme field science — ●CHRIS BARTY
SYUL 1.2	Fri	11:50–12:20	e415	Generation of short pulses with ultra-high temporal contrast at the PHELIX petawatt facility — ●VINCENT BAGNOUD
SYUL 1.3	Fri	12:20–12:50	e415	Petawatt lasers for particle acceleration at HZDR Dresden — ●ULRICH SCHRAMM
SYUL 1.4	Fri	12:50–13:20	e415	High-intensity few-cycle pulses with ultrahigh temporal contrast — ●STEFAN KARSCH, ALEXANDER KESSEL, CHRISTOPH SKROBOL, MATHIAS KRÜGER, CHRISTOPH WANDT, SANDRO KLINGEBIEL, OLGA LYSOV, IZHAR AHMAD, SERGEI TRUSHIN, VYACHESLAV LESHCHENKO, ZSUZSANNA MAJOR, FERENC KRAUSZ
SYUL 2.1	Fri	14:00–14:30	e415	Coherent Combination of Ultrafast Fiber Lasers — ●JENS LIMPERT
SYUL 2.2	Fri	14:30–15:00	e415	Cryogenic multipass amplifiers for high peak and average power ultrafast lasers — ●LUIS E. ZAPATA
SYUL 2.3	Fri	15:00–15:30	e415	Multi-TW infrared laser using Frequency domain Optical Parametric Amplification — ●BRUNO E. SCHMIDT, PHILIPPE LASSONDE, GUILMOT ERNOTTE, MATHIEU GIGUERE, NICOLAS THIRE, ANTOINE LARAMEE, HEIDE IBRAHIM, FRANCOIS LEGARE

Sessions

K 1.1–1.2	Mon	14:30–15:30	f428	Optical Methods and New Applications
K 2.1–2.2	Mon	15:50–16:30	f428	Light Sources - EUV and Lasers
K 3.1–3.5	Tue	14:30–16:30	f428	Laser Applications and Laser Matter Interactions I
K 4.1–4.7	Tue	16:30–19:00	Empore Lichthof	Poster
K 5.1–5.5	Wed	11:00–13:00	f428	Laser Applications and Laser Matter Processing II

Annual General Meeting of the Short Time-scale Physics Division

Montag 17:00–17:30 Raum f428

- Bericht des Vorsitzenden
- Verschiedenes