

Fachverband Physik der Hadronen und Kerne (HK)

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Übersicht der Hauptvorträge und Fachsitzungen

(Plenarsaal, HS 11, 12, 13, 14, 15, 16 und 18; Poster Foyer Nordbau)

Plenar- und Preisträgervorträge

PV I	Mo	9:15–10:00	Plenarsaal	Status of the FAIR Project — ●PAOLO GIUBELLINO
PV II	Mo	10:00–10:45	Plenarsaal	The dual role of the plasma edge in tokamaks — ●ELISABETH WOLFRUM
PV IV	Di	9:00– 9:45	Plenarsaal	Testing General Relativity with Cosmological Observations — ●RUTH DURRER
PV V	Di	9:45–10:30	Plenarsaal	On the tension between mathematics and physics — ●MIKLOS REDEI
PV VII	Mi	8:30– 9:15	Plenarsaal	Reconciling the past and the present: The shared history of physicists and museums — ●MARTA C LOURENCO
PV VIII	Mi	9:15–10:00	Plenarsaal	Particle-hole symmetries in condensed matter — ●MARTIN ZIRNBAUER
PV IX	Mi	10:00–10:30	Plenarsaal	Decoding the QCD phase structure with relativistic nuclear collisions — ●PETER BRAUN-MUNZINGER
PV X	Mi	10:30–11:00	Plenarsaal	Charmonia as Probe of Deconfinement - Recent Results and Perspectives — ●JOHANNA STACHEL
PV XIII	Do	9:00– 9:45	Plenarsaal	Climate change and gravity waves in the middle atmosphere — ●FRANZ-JOSEF LÜBKEN
PV XIV	Do	9:45–10:30	Plenarsaal	Tailoring ultrafast light pulses in waveguides — ●CARSTEN FALLNICH
PV XVIII	Fr	9:00– 9:45	Plenarsaal	Neutron Star Mass and Radius Measurements and Implications for the Dense Matter Equation of State — ●JAMES LATTIMER
PV XIX	Fr	9:45–10:30	Plenarsaal	Kinetic turbulence simulations for space and laboratory plasmas — ●DANIEL TOLD

Hauptvorträge

HK 2.1	Mo	11:15–11:50	Plenarsaal	Search for dark matter and other rare/exotic processes with XENON1T/nT — ●CHRISTIAN WEINHEIMER
HK 2.2	Mo	11:50–12:25	Plenarsaal	Dark Sector searches at MESA — ●LUCA DORIA
HK 2.3	Mo	12:25–13:00	Plenarsaal	Recent results on direct mass measurements of the heaviest elements with SHIPTRAP — ●FRANCESCA GIACOPPO
HK 17.1	Di	11:00–11:35	Plenarsaal	Laboratories of the Strong Interaction: Exotic Hadrons — ●SEBASTIAN NEUBERT
HK 17.2	Di	11:35–12:10	Plenarsaal	Nuclear thermodynamics from chiral effective field theory — ●CORBINIAN WELLENHOFER
HK 17.3	Di	12:10–12:45	Plenarsaal	Strange hadrons in cold and hot nuclear matter* — ●JOANA WIRTH
HK 32.1	Mi	11:30–12:05	Plenarsaal	Where nuclear physics meets quantum optics — ●ADRIANA PÁLFFY
HK 32.2	Mi	12:05–12:40	Plenarsaal	COLLAPS: revealing nuclear structures of short lived isotopes by collinear laser spectroscopy at CERN-ISOLDE — ●SIMON KAUFMANN
HK 46.1	Do	11:00–11:35	Plenarsaal	Non-equilibrium dynamics in high-energy Heavy-Ion collisions — ●SOEREN SCHLICHTING
HK 46.2	Do	11:35–12:10	Plenarsaal	Probing the Quark-Gluon Plasma with low-mass dileptons in heavy-ion collisions — ●RAPHAELLE BAILHACHE

HK 46.3	Do	12:10–12:45	Plenarsaal	QCD correlation functions from lattice QCD and the bound-state approach to hadron physics — ●ANDRE STERNBECK
HK 56.1	Fr	11:30–12:05	Plenarsaal	Exotic, heavy element abundances in metal-poor dwarf galaxy stars — ●CAMILLA JUUL HANSEN
HK 56.2	Fr	12:05–12:40	Plenarsaal	Nuclear astrophysics with gas targets — ●KONRAD SCHMIDT

Hauptvorträge des fachübergreifenden Symposiums SYMD

Das vollständige Programm dieses Symposiums ist unter SYMD aufgeführt.

SYMD 1.1	Mo	14:00–14:30	Plenarsaal	Analysis of historical solar Ca II K and sunspot data for irradiance studies — ●THEODOSIOS CHATZISTERGOS
SYMD 1.2	Mo	14:30–15:00	Plenarsaal	MUSIC: A Model Unspecific Search for New Physics — ●DEBORAH DUCHARDT
SYMD 1.3	Mo	15:00–15:30	Plenarsaal	Search for solar chameleons with an InGrid based X-ray detector at the CAST experiment — ●CHRISTOPH KRIEGER
SYMD 1.4	Mo	15:30–16:00	Plenarsaal	Positron Annihilation Spectroscopy throughout the Milky Way — ●THOMAS SIEGERT

Hauptvorträge des fachübergreifenden Symposiums SYPA

Das vollständige Programm dieses Symposiums ist unter SYPA aufgeführt.

SYPA 1.1	Mi	14:00–14:30	Plenarsaal	Laser-driven ion acceleration in plasmas — ●JÖRG SCHREIBER
SYPA 1.2	Mi	14:30–15:00	Plenarsaal	Laser-driven electron acceleration in plasmas — ●JEROEN VAN TILBORG
SYPA 1.3	Mi	15:00–15:30	Plenarsaal	Beam-driven electron acceleration in plasmas — ●RICHARD D'ARCY
SYPA 1.4	Mi	15:30–16:00	Plenarsaal	Solar energetic electron events: Trying to understand the role of the shock — ●NINA DRESING
SYPA 2.1	Mi	16:30–17:00	Plenarsaal	Plasma Wakefield Acceleration: Instabilities and Stabilization — ●ALEXANDER PUKHOV
SYPA 2.2	Mi	17:00–17:30	Plenarsaal	LUX - A Laser-Plasma Driven Undulator Beamline — ●ANDREAS R. MAIER
SYPA 2.3	Mi	17:30–18:00	Plenarsaal	Magnetic reconnection as a particle accelerator — ●MICHAEL HESSE
SYPA 2.4	Mi	18:00–18:30	Plenarsaal	Experimental demonstration of proton bunch self-modulation and of electron acceleration in a 10m-long plasma — ●PATRIC MUGGLI

Hauptvorträge des fachübergreifenden Symposiums SYPS

Das vollständige Programm dieses Symposiums ist unter SYPS aufgeführt.

SYPS 1.1	Mi	15:00–15:40	HS 5	Black-hole superradiance: Probing ultralight bosons with compact objects and gravitational waves — ●PAOLO PANI
SYPS 1.2	Mi	15:40–16:10	HS 5	Modelling and analyzing a binary neutron-star merger: Interpreting a multi-messenger picture — ●TIM DIETRICH
SYPS 1.3	Mi	16:10–16:40	HS 5	What can neutron-star mergers reveal about the equation of state of dense matter? — ●INGO TEWS

Fachsitzungen

HK 1.1–1.2	So	16:00–18:00	HS 1	Tutorial Physics of Neutron Stars (joint session AKjD-PG/HK)
HK 2.1–2.3	Mo	11:15–13:00	Plenarsaal	Hauptvorträge I
HK 3.1–3.6	Mo	14:00–16:00	HS 13	Hadron Structure and Spectroscopy I
HK 4.1–4.7	Mo	14:00–16:00	HS 15	Heavy-Ion Collisions and QCD Phases I
HK 5.1–5.7	Mo	14:00–16:00	HS 14	Structure and Dynamics of Nuclei I
HK 6.1–6.6	Mo	14:00–16:00	HS 16	Nuclear Astrophysics I
HK 7.1–7.7	Mo	14:00–16:00	HS 11	Instrumentation I
HK 8.1–8.8	Mo	14:00–16:00	HS 12	Instrumentation II
HK 9.1–9.6	Mo	14:00–15:45	HS 18	Outreach I

HK 10.1–10.7	Mo	16:30–18:30	HS 13	Hadron Structure and Spectroscopy II
HK 11.1–11.7	Mo	16:30–18:30	HS 15	Heavy-Ion Collisions and QCD Phases II
HK 12.1–12.8	Mo	16:30–18:30	HS 14	Structure and Dynamics of Nuclei II
HK 13.1–13.5	Mo	16:30–18:30	HS 16	Fundamental Symmetries I
HK 14.1–14.6	Mo	16:30–18:15	HS 11	Instrumentation III
HK 15.1–15.6	Mo	16:30–18:15	HS 12	Instrumentation IV
HK 16.1–16.3	Mo	16:30–17:30	HS 18	Outreach II
HK 17.1–17.3	Di	11:00–12:45	Plenarsaal	Hauptvorträge II
HK 18.1–18.7	Di	14:00–16:00	HS 13	Hadron Structure and Spectroscopy III
HK 19.1–19.6	Di	14:00–15:45	HS 15	Heavy-Ion Collisions and QCD Phases III
HK 20.1–20.5	Di	14:00–15:15	HS 12	Heavy-Ion Collisions and QCD Phases IV
HK 21.1–21.7	Di	14:00–16:00	HS 14	Structure and Dynamics of Nuclei III
HK 22.1–22.6	Di	14:00–15:45	HS 16	Structure and Dynamics of Nuclei IV
HK 23.1–23.6	Di	14:00–16:00	HS 18	Astroparticle Physics I
HK 24.1–24.8	Di	14:00–16:00	HS 11	Instrumentation V
HK 25.1–25.7	Di	16:30–18:30	HS 13	Hadron Structure and Spectroscopy IV
HK 26.1–26.6	Di	16:30–18:15	HS 15	Heavy-Ion Collisions and QCD Phases V
HK 27.1–27.7	Di	16:30–18:30	HS 14	Structure and Dynamics of Nuclei V
HK 28.1–28.5	Di	16:30–18:00	HS 16	Nuclear Astrophysics II
HK 29.1–29.7	Di	16:30–18:30	HS 18	Astroparticle Physics II
HK 30.1–30.6	Di	16:30–18:30	HS 11	Instrumentation VI
HK 31.1–31.7	Di	16:30–18:30	HS 12	Instrumentation VII and Applications
HK 32.1–32.2	Mi	11:30–12:40	Plenarsaal	Hauptvorträge III
HK 33.1–33.6	Mi	14:00–16:00	HS 13	Hadron Structure and Spectroscopy V
HK 34.1–34.7	Mi	14:00–16:00	HS 15	Heavy-Ion Collisions and QCD Phases VI
HK 35.1–35.6	Mi	14:00–15:45	HS 12	Heavy-Ion Collisions and QCD Phases VII
HK 36.1–36.7	Mi	14:00–16:00	HS 14	Structure and Dynamics of Nuclei VI
HK 37.1–37.7	Mi	14:00–16:00	HS 16	Structure and Dynamics of Nuclei VII
HK 38.1–38.6	Mi	14:00–15:45	HS 18	Nuclear Astrophysics III
HK 39.1–39.6	Mi	14:00–15:45	HS 11	Instrumentation VIII
HK 40.1–40.7	Mi	16:30–18:30	HS 13	Hadron Structure and Spectroscopy VI
HK 41.1–41.7	Mi	16:30–18:30	HS 15	Heavy-Ion Collisions and QCD Phases VIII
HK 42.1–42.7	Mi	16:30–18:30	HS 14	Structure and Dynamics of Nuclei VIII
HK 43.1–43.7	Mi	16:30–18:30	HS 16	Astroparticle Physics III
HK 44.1–44.7	Mi	16:30–18:30	HS 11	Instrumentation IX
HK 45.1–45.7	Mi	16:30–18:30	HS 12	Instrumentation X and Applications
HK 46.1–46.3	Do	11:00–12:45	Plenarsaal	Hauptvorträge IV
HK 47.1–47.7	Do	14:00–16:00	HS 13	Hadron Structure and Spectroscopy VII
HK 48.1–48.7	Do	14:00–16:00	HS 15	Heavy-Ion Collisions and QCD Phases IX
HK 49.1–49.7	Do	14:00–16:00	HS 14	Structure and Dynamics of Nuclei IX
HK 50.1–50.6	Do	14:00–15:45	HS 16	Structure and Dynamics of Nuclei X
HK 51.1–51.4	Do	14:00–15:15	HS 18	Nuclear Astrophysics IV
HK 52.1–52.7	Do	14:00–16:00	HS 11	Instrumentation XI, Accelerators and Applications
HK 53.1–53.7	Do	14:00–16:00	HS 12	Instrumentation XII
HK 54.1–54.76	Do	16:30–19:00	Foyer Nordbau	Poster
HK 55	Do	19:00–21:00	HS 15	Mitgliederversammlung
HK 56.1–56.2	Fr	11:30–12:40	Plenarsaal	Hauptvorträge V
HK 57.1–57.6	Fr	14:00–15:45	HS 13	Hadron Structure and Spectroscopy VIII
HK 58.1–58.7	Fr	14:00–16:00	HS 15	Heavy-Ion Collisions and QCD Phases X
HK 59.1–59.7	Fr	14:00–16:00	HS 14	Structure and Dynamics of Nuclei XI
HK 60.1–60.5	Fr	14:00–15:30	HS 16	Nuclear Astrophysics V
HK 61.1–61.5	Fr	14:00–15:45	HS 18	Fundamental Symmetries and Astroparticle Physics
HK 62.1–62.6	Fr	14:00–15:45	HS 11	Instrumentation XIII
HK 63.1–63.6	Fr	14:00–15:45	HS 12	Instrumentation XIV

Abendvortrag

PV XII Mi 19:30–21:30 Plenarsaal **Urknall, Sternenstaub und Frage nach der Entstehung des Lebens —**
 ●ANDREAS BURKERT

Mittagsvorträge

PV III	Mo	13:00–13:45	HS 12	Umgang mit Geld als Physikerin und Mutter — •FRIEDERIKE LICHTENEGGER
PV VI	Di	13:00–13:45	HS 12	Highway to Intellectual Property – ein persönlicher Werdegang — •CARMEN TESCH-BIEDERMANN
PV XI	Mi	13:00–13:45	HS 12	Wieso? Weshalb? Warum? Ein theoretischer Physiker in der Supply Chain — •MARKUS PFANNMÜLLER
PV XV	Do	13:00–13:45	HS 12	Vom Doktorhut zum Vorstandshemd: Physiker können auch Unternehmer — •WILHELM KAENDERS
PV XVI	Do	13:00–13:30	HS 4	Forschungsförderung durch die DFG – ein Überblick — •WOLFGANG MÜSSEL
PV XVII	Do	13:30–14:00	HS 4	ErUM-Pro: Projektförderung im BMBF-Rahmenprogramm „Erforschung von Universum und Materie“ — •HANNA MAHLKE

Mitgliederversammlung Fachverband Physik der Hadronen und Kerne

Donnerstag 19:00–21:00 HS 15