

Hadronic and Nuclear Physics Division Fachverband Physik der Hadronen und Kerne (HK)

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Overview of Invited Talks and Sessions

(Lecture halls HK-H1 to HK-H10)

Invited Talks

HK 1.1	Mon	11:00–11:30	HK-H1	A supernova in the lab - Astrophysics with stored, radioactive ions — ●JAN GLORIUS
HK 1.2	Mon	11:30–12:00	HK-H1	Exotic quark-made formations — ●MIKHAIL MIKHASENKO
HK 1.3	Mon	12:00–12:30	HK-H1	Nuclear ab-initio theory for neutrino oscillations — ●JOANNA SOBczyk, SONIA BACCA, BIJAYA ACHARYA
HK 22.1	Tue	11:00–11:30	HK-H1	Towards background-free measurements of double-beta decay events: a quest to increase the detection sensitivity of the neutrinoless double beta decay mode — ●SAMUEL AYET SAN ANDRES
HK 22.2	Tue	11:30–12:00	HK-H1	Baryon spectroscopy with the Jülich-Bonn dynamical coupled-channel approach — ●DEBORAH RÖNCHEN
HK 22.3	Tue	12:00–12:30	HK-H1	Hadronen und Kerne in der Öffentlichkeit — ●CHRISTIAN KLEIN-BÖSING
HK 23.1	Tue	14:00–14:30	HK-H1	Jets in heavy-ion collisions — ●JASMINE BREWER
HK 23.2	Tue	14:30–15:00	HK-H1	The initial state of the quark-gluon plasma at the intersection of hadronic and nuclear physics — ●GIULIANO GIACALONE
HK 23.3	Tue	15:00–15:30	HK-H1	High-precision mass spectrometry with ISOLTRAP at ISOLDE/CERN — ●JONAS KARTHEIN
HK 34.1	Wed	11:00–11:30	HK-H1	Nuclear equation of state constrained by nuclear physics, microscopic and macroscopic collisions — ●SABRINA HUTH
HK 34.2	Wed	11:30–12:00	HK-H1	Electromagnetic Counterparts of Neutron Star Mergers: Signatures of Heavy r-Process Nucleosynthesis — ●ANDREAS FLÖRS, LUKE SHINGLES, GABRIEL MARTÍNEZ-PINEDO
HK 34.3	Wed	12:00–12:30	HK-H1	Towards a next-generation LHC heavy-ion Experiment with ALICE — ●RAPHAËLE BAILHACHE
HK 55.1	Thu	11:00–11:30	HK-H1	Online data processing with GPUs in ALICE during LHC Run 3 — ●DAVID ROHR
HK 55.2	Thu	11:30–12:00	HK-H1	From outer space to deep inside: nuclear physics prospects at MAMI and MESA — ●MICHAELA THIEL
HK 55.3	Thu	12:00–12:30	HK-H1	CMOS Monolithic Active Pixel Sensors — ●MICHAEL DEVEAUX
HK 75.1	Fri	11:00–11:30	HK-H1	Hyperon Physics with PANDA at FAIR — ●JENNIFER PÜTZ
HK 75.2	Fri	11:30–12:00	HK-H1	3-hadron problem from lattice QCD — ●MAXIM MAI

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

Invited talks of the joint symposium Plasma Induced Accelerators (SYPA)

See SYPA for the full program of the symposium.

SYPA 1.1	Wed	11:00–11:30	Audimax	Laser-driven ion acceleration -20 years of research: applications and prospect- — ●MARKUS ROTH
SYPA 1.2	Wed	11:30–12:00	Audimax	Laser-plasma ion accelerators for radio-biological research — ●KARL ZEIL
SYPA 1.3	Wed	12:00–12:30	Audimax	Hybrid plasma accelerators towards higher-quality electron beams — ●S. KARSCH, M. FOERSTER, A. DÖPP, M. GILLJOHANN, J. GÖTZFRIED, K. V. GRAFENSTEIN, F. HABERSTROH, J. WENZ, S. CORDE, O. KONONENKO, B. HIDDING, T. HEINEMANN, T. KURZ, J. COUPERUS-CABADAG, U. SCHRAMM, A. DEBUS, A. MARTINEZ DE LA OSSA

Sessions

HK 1.1–1.3	Mon	11:00–12:30	HK-H1	Invited Talks I
HK 2.1–2.5	Mon	14:00–15:30	HK-H1	Heavy-Ion Collisions and QCD Phases I
HK 3.1–3.5	Mon	14:00–15:30	HK-H2	Heavy-Ion Collisions and QCD Phases II
HK 4.1–4.5	Mon	14:00–15:30	HK-H3	Instrumentation I
HK 5.1–5.5	Mon	14:00–15:30	HK-H4	Instrumentation II
HK 6.1–6.6	Mon	14:00–15:30	HK-H5	Instrumentation III
HK 7.1–7.6	Mon	14:00–15:30	HK-H6	Structure and Dynamics of Nuclei I
HK 8.1–8.6	Mon	14:00–15:30	HK-H7	Structure and Dynamics of Nuclei II
HK 9.1–9.5	Mon	14:00–15:30	HK-H8	Hadron Structure and Spectroscopy I
HK 10.1–10.4	Mon	14:00–15:30	HK-H9	Hadron Structure and Spectroscopy II
HK 11.1–11.5	Mon	14:00–15:30	HK-H10	Nuclear Astrophysics I
HK 12.1–12.5	Mon	16:00–17:30	HK-H1	Heavy-Ion Collisions and QCD Phases III
HK 13.1–13.5	Mon	16:00–17:15	HK-H2	Heavy-Ion Collisions and QCD Phases IV
HK 14.1–14.4	Mon	16:00–17:30	HK-H3	Instrumentation IV
HK 15.1–15.5	Mon	16:00–17:30	HK-H4	Instrumentation V
HK 16.1–16.6	Mon	16:00–17:30	HK-H5	Instrumentation VI
HK 17.1–17.6	Mon	16:00–17:45	HK-H6	Structure and Dynamics of Nuclei III
HK 18.1–18.6	Mon	16:00–17:45	HK-H7	Structure and Dynamics of Nuclei IV
HK 19.1–19.6	Mon	16:00–17:45	HK-H8	Hadron Structure and Spectroscopy III
HK 20.1–20.5	Mon	16:00–17:30	HK-H9	Hadron Structure and Spectroscopy IV
HK 21.1–21.4	Mon	16:00–17:30	HK-H10	Astroparticle Physics I
HK 22.1–22.3	Tue	11:00–12:30	HK-H1	Invited Talks II
HK 23.1–23.3	Tue	14:00–15:30	HK-H1	Invited Talks III
HK 24.1–24.5	Tue	16:00–17:30	HK-H1	Heavy-Ion Collisions and QCD Phases V
HK 25.1–25.5	Tue	16:00–17:30	HK-H2	Heavy-Ion Collisions and QCD Phases VI
HK 26.1–26.6	Tue	16:00–17:30	HK-H3	Instrumentation VII
HK 27.1–27.5	Tue	16:00–17:30	HK-H4	Instrumentation VIII
HK 28.1–28.6	Tue	16:00–17:45	HK-H5	Computing I
HK 29.1–29.6	Tue	16:00–17:30	HK-H6	Structure and Dynamics of Nuclei V
HK 30.1–30.5	Tue	16:00–17:30	HK-H7	Outreach
HK 31.1–31.6	Tue	16:00–17:45	HK-H8	Hadron Structure and Spectroscopy V
HK 32.1–32.5	Tue	16:00–17:30	HK-H9	Hadron Structure and Spectroscopy VI
HK 33.1–33.5	Tue	16:00–17:30	HK-H10	Nuclear Astrophysics II

HK 34.1–34.3	Wed	11:00–12:30	HK-H1	Invited Talks IV
HK 35.1–35.5	Wed	14:00–15:30	HK-H1	Heavy-Ion Collisions and QCD Phases VII
HK 36.1–36.5	Wed	14:00–15:30	HK-H2	Heavy-Ion Collisions and QCD Phases VIII
HK 37.1–37.5	Wed	14:00–15:30	HK-H3	Instrumentation IX
HK 38.1–38.5	Wed	14:00–15:30	HK-H4	Instrumentation X
HK 39.1–39.8	Wed	14:00–16:00	HK-H5	Computing II
HK 40.1–40.5	Wed	14:00–15:30	HK-H6	Structure and Dynamics of Nuclei VI
HK 41.1–41.5	Wed	14:00–15:30	HK-H7	Structure and Dynamics of Nuclei VII
HK 42.1–42.5	Wed	14:00–15:30	HK-H8	Hadron Structure and Spectroscopy VII
HK 43.1–43.5	Wed	14:00–15:30	HK-H9	Hadron Structure and Spectroscopy VIII
HK 44.1–44.4	Wed	14:00–15:30	HK-H10	Astroparticle Physics II
HK 45.1–45.4	Wed	16:00–17:15	HK-H1	Heavy-Ion Collisions and QCD Phases IX
HK 46.1–46.4	Wed	16:00–17:15	HK-H2	Heavy-Ion Collisions and QCD Phases X
HK 47.1–47.6	Wed	16:00–17:30	HK-H3	Instrumentation XI
HK 48.1–48.5	Wed	16:00–17:15	HK-H4	Instrumentation XII
HK 49.1–49.4	Wed	16:00–17:00	HK-H5	Instrumentation XIII
HK 50.1–50.6	Wed	16:00–17:45	HK-H6	Structure and Dynamics of Nuclei VIII
HK 51.1–51.5	Wed	16:00–17:30	HK-H7	Structure and Dynamics of Nuclei IX
HK 52.1–52.6	Wed	16:00–17:30	HK-H8	Hadron Structure and Spectroscopy IX
HK 53.1–53.5	Wed	16:00–17:30	HK-H9	Hadron Structure and Spectroscopy X
HK 54.1–54.5	Wed	16:00–17:30	HK-H10	Nuclear Astrophysics III
HK 55.1–55.3	Thu	11:00–12:30	HK-H1	Invited Talks V
HK 56.1–56.5	Thu	14:00–15:30	HK-H1	Heavy-Ion Collisions and QCD Phases XI
HK 57.1–57.6	Thu	14:00–15:30	HK-H2	Heavy-Ion Collisions and QCD Phases XII
HK 58.1–58.6	Thu	14:00–15:30	HK-H3	Instrumentation XIV
HK 59.1–59.5	Thu	14:00–15:30	HK-H4	Instrumentation XV
HK 60.1–60.6	Thu	14:00–15:30	HK-H5	Instrumentation XVI
HK 61.1–61.5	Thu	14:00–15:30	HK-H6	Structure and Dynamics of Nuclei X
HK 62.1–62.5	Thu	14:00–15:30	HK-H7	Structure and Dynamics of Nuclei XI
HK 63.1–63.5	Thu	14:00–15:30	HK-H8	Hadron Structure and Spectroscopy XI
HK 64.1–64.5	Thu	14:00–15:30	HK-H9	Fundamental Symmetries I
HK 65.1–65.6	Thu	16:00–17:30	HK-H1	Heavy-Ion Collisions and QCD Phases XIII
HK 66.1–66.5	Thu	16:00–17:15	HK-H2	Heavy-Ion Collisions and QCD Phases XIV
HK 67.1–67.5	Thu	16:00–17:30	HK-H3	Instrumentation XVII
HK 68.1–68.4	Thu	16:00–17:15	HK-H4	Instrumentation XVIII
HK 69.1–69.6	Thu	16:00–17:30	HK-H5	Instrumentation XIX
HK 70.1–70.6	Thu	16:00–17:45	HK-H6	Structure and Dynamics of Nuclei XII
HK 71.1–71.5	Thu	16:00–17:30	HK-H7	Structure and Dynamics of Nuclei XIII
HK 72.1–72.5	Thu	16:00–17:30	HK-H8	Hadron Structure and Spectroscopy XII
HK 73.1–73.5	Thu	16:00–17:45	HK-H9	Fundamental Symmetries II
HK 74	Thu	18:00–19:00	HK-MV	Annual General Meeting
HK 75.1–75.2	Fri	11:00–12:00	HK-H1	Invited Talks VI

Annual General Meeting of the Hadronic and Nuclear Physics Division

Thursday, March 31, 2022 18:00–19:00 HK-MV

The meeting will take place in a virtual format. The zoom link and the agenda will be communicated by email.