

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

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### Overview of Invited Talks and Sessions

(Lecture halls HSZ/0002, HSZ/0103, HSZ/0105, SCH/A251, SCH/A118, SCH/A216, SCH/A316, SCH/A.101, SCH/A117, SCH/A215, SCH/A315, SCH/A419, and SCH/A252; Poster HSZ EG)

#### Plenary Talk of the Hadronic and Nuclear Physics Division

PV IX Wed 9:45–10:30 HSZ/AUDI **The origin of the chemical elements** — •MARIALUISA ALIOTTA

#### Invited Talks

HK 1.1	Mon	11:00–11:30	HSZ/0002	<b>Nucleosynthesis of heavy nuclei – moving a supernova into the laboratory</b> — •FELIX HEIM
HK 1.2	Mon	11:30–12:00	HSZ/0002	<b>Exploring the 3D nucleon structure with CLAS and CLAS12 at JLAB</b> — •STEFAN DIEHL
HK 1.3	Mon	12:00–12:30	HSZ/0002	<b>Lattice simulations with chiral effective field theory at N<sup>3</sup>LO</b> — •SERDAR ELHATISARI
HK 12.1	Tue	11:00–11:30	HSZ/0002	<b>Baryon spectroscopy at ELSA and MAMI</b> — •FARAH AFZAL
HK 12.2	Tue	11:30–12:00	HSZ/0002	<b>ALICE upgrades, status and perspectives for ALICE-3</b> — •ROBERT MUENZER
HK 12.3	Tue	12:00–12:30	HSZ/0002	<b>Nuclear parton distribution functions</b> — •MICHAEL KLASSEN
HK 23.1	Wed	11:00–11:30	HSZ/0002	<b>High-Precision Laser Spectroscopy of C<sup>4+</sup> for an All-Optical Determination of the Nuclear Charge Radius</b> — •PHILLIP IMGRAM, KRISTIAN KÖNIG, BERNHARD MAASS, PATRICK MÜLLER, WILFRIED NÖRTERSCHÄUSER
HK 23.2	Wed	11:30–12:00	HSZ/0002	<b>ALICE determines the transparency of our galaxy to the passage of antihelium nuclei</b> — •LAURA SERKSNYTE
HK 23.3	Wed	12:00–12:30	HSZ/0002	<b>The world of light and strange mesons: from spectroscopy puzzles to low energy QCD phenomena</b> — •STEPHAN PAUL
HK 52.1	Thu	11:00–11:30	HSZ/AUDI	<b>AI Techniques for Event Reconstruction</b> — •IVAN KISEL
HK 76.1	Fri	11:00–11:30	HSZ/0002	<b>Thermalization of heavy quarks in the QGP</b> — •FEDERICA CAPELLINO
HK 76.2	Fri	11:30–12:00	HSZ/0002	<b>Hadron structure in Lattice QCD</b> — •KONSTANTIN OTTNAD
HK 76.3	Fri	12:00–12:30	HSZ/0002	<b>LISA: Lifetime measurements with Solid Active targets</b> — •KATHRIN WIMMER

#### Sessions

HK 1.1–1.3	Mon	11:00–12:30	HSZ/0002	<b>Invited Talks I</b>
HK 2.1–2.5	Mon	16:30–18:00	SCH/A251	<b>Instrumentation I</b>
HK 3.1–3.5	Mon	16:30–18:00	SCH/A.101	<b>Instrumentation II</b>
HK 4.1–4.5	Mon	16:30–18:00	SCH/A117	<b>Instrumentation III</b>
HK 5.1–5.6	Mon	16:30–18:00	SCH/A216	<b>Heavy-Ion Collisions and QCD Phases I</b>
HK 6.1–6.5	Mon	16:30–18:00	SCH/A315	<b>Heavy-Ion Collisions and QCD Phases II</b>
HK 7.1–7.5	Mon	16:30–18:00	SCH/A316	<b>Hadron Structure and Spectroscopy I</b>
HK 8.1–8.5	Mon	16:30–18:00	SCH/A419	<b>Nuclear Astrophysics I</b>
HK 9.1–9.5	Mon	16:30–18:00	SCH/A118	<b>Structure and Dynamics of Nuclei I</b>

HK 10.1–10.5	Mon	16:30–18:00	SCH/A215	Structure and Dynamics of Nuclei II
HK 11.1–11.6	Mon	16:30–18:00	HSZ/0204	Outreach Public/Teilchenwelt (joint session T/HK)
HK 12.1–12.3	Tue	11:00–12:30	HSZ/0002	Invited Talks II
HK 13.1–13.5	Tue	17:00–18:15	SCH/A251	Instrumentation IV
HK 14.1–14.5	Tue	17:00–18:45	SCH/A.101	Instrumentation V
HK 15.1–15.7	Tue	17:00–18:45	SCH/A117	Instrumentation VI
HK 16.1–16.5	Tue	17:00–18:30	SCH/A216	Heavy-Ion Collisions and QCD Phases III
HK 17.1–17.5	Tue	17:00–18:30	SCH/A315	Heavy-Ion Collisions and QCD Phases IV
HK 18.1–18.7	Tue	17:00–19:00	SCH/A316	Hadron Structure and Spectroscopy II
HK 19.1–19.5	Tue	17:00–18:30	SCH/A419	Nuclear Astrophysics II
HK 20.1–20.5	Tue	17:00–18:45	SCH/A118	Structure and Dynamics of Nuclei III
HK 21.1–21.6	Tue	17:00–18:45	SCH/A215	Structure and Dynamics of Nuclei IV
HK 22.1–22.7	Tue	17:00–18:45	SCH/A252	Outreach (joint session HK/T)
HK 23.1–23.3	Wed	11:00–12:30	HSZ/0002	Invited Talks III
HK 24.1–24.5	Wed	14:00–15:30	SCH/A251	Instrumentation VII
HK 25.1–25.6	Wed	14:00–15:30	SCH/A.101	Instrumentation VIII
HK 26.1–26.5	Wed	14:00–15:30	SCH/A117	Instrumentation IX
HK 27.1–27.5	Wed	14:00–15:30	SCH/A216	Heavy-Ion Collisions and QCD Phases V
HK 28.1–28.5	Wed	14:00–15:30	SCH/A315	Heavy-Ion Collisions and QCD Phases VI
HK 29.1–29.5	Wed	14:00–15:30	SCH/A316	Hadron Structure and Spectroscopy III
HK 30.1–30.5	Wed	14:00–15:30	SCH/A419	Nuclear Astrophysics III
HK 31.1–31.4	Wed	14:00–15:30	SCH/A118	Structure and Dynamics of Nuclei V
HK 32.1–32.6	Wed	14:00–15:30	SCH/A215	Structure and Dynamics of Nuclei VI
HK 33.1–33.4	Wed	14:00–15:30	SCH/A252	Fundamental Symmetries I
HK 34.1–34.5	Wed	15:45–17:15	SCH/A251	Instrumentation X
HK 35.1–35.3	Wed	15:45–17:00	SCH/A.101	Instrumentation XI
HK 36.1–36.6	Wed	15:45–17:15	SCH/A117	Computing I
HK 37.1–37.6	Wed	15:45–17:15	SCH/A216	Heavy-Ion Collisions and QCD Phases VII
HK 38.1–38.6	Wed	15:45–17:15	SCH/A315	Heavy-Ion Collisions and QCD Phases VIII
HK 39.1–39.5	Wed	15:45–17:15	SCH/A316	Hadron Structure and Spectroscopy IV
HK 40.1–40.4	Wed	15:45–17:00	SCH/A419	Nuclear Astrophysics IV
HK 41.1–41.5	Wed	15:45–17:15	SCH/A118	Structure and Dynamics of Nuclei VII
HK 42.1–42.5	Wed	15:45–17:15	SCH/A215	Structure and Dynamics of Nuclei VIII
HK 43.1–43.4	Wed	15:45–17:15	SCH/A252	Fundamental Symmetries II
HK 44.1–44.5	Wed	17:30–19:00	SCH/A251	Instrumentation XII
HK 45.1–45.6	Wed	17:30–19:00	SCH/A.101	Instrumentation XIII
HK 46.1–46.5	Wed	17:30–19:00	SCH/A216	Heavy-Ion Collisions and QCD Phases IX
HK 47.1–47.5	Wed	17:30–18:45	SCH/A315	Heavy-Ion Collisions and QCD Phases X
HK 48.1–48.6	Wed	17:30–19:00	SCH/A316	Hadron Structure and Spectroscopy V
HK 49.1–49.6	Wed	17:30–19:00	SCH/A118	Structure and Dynamics of Nuclei IX
HK 50.1–50.5	Wed	17:30–19:00	SCH/A215	Structure and Dynamics of Nuclei X
HK 51.1–51.4	Wed	17:30–19:15	SCH/A252	Fundamental Symmetries III
HK 52.1–52.3	Thu	11:00–12:30	HSZ/AUDI	AI Topical Day – Invited Talks (joint session AKPIK/HK/ST/T/AKBP)
HK 53.1–53.6	Thu	14:00–15:30	HSZ/0103	AI Topical Day – Computing II (joint session HK/AKPIK)
HK 54.1–54.6	Thu	14:00–15:30	HSZ/0105	AI Topical Day – Heavy-Ion Collisions and QCD Phases XI (joint session HK/AKPIK)
HK 55.1–55.5	Thu	14:00–15:30	SCH/A251	Instrumentation XIV
HK 56.1–56.5	Thu	14:00–15:30	SCH/A.101	Instrumentation XV
HK 57.1–57.5	Thu	14:00–15:30	SCH/A316	Hadron Structure and Spectroscopy VI
HK 58.1–58.5	Thu	14:00–15:30	SCH/A419	Hadron Structure and Spectroscopy VII
HK 59.1–59.5	Thu	14:00–15:30	SCH/A118	Structure and Dynamics of Nuclei XI
HK 60.1–60.6	Thu	14:00–15:30	SCH/A215	Structure and Dynamics of Nuclei XII
HK 61.1–61.5	Thu	14:00–15:15	SCH/A117	Structure and Dynamics of Nuclei XIII
HK 62.1–62.4	Thu	14:00–15:15	SCH/A252	Astroparticle Physics I
HK 63.1–63.4	Thu	15:45–17:00	SCH/A251	Instrumentation XVI
HK 64.1–64.3	Thu	15:45–16:45	SCH/A.101	Instrumentation XVII
HK 65.1–65.6	Thu	15:45–17:15	SCH/A216	Heavy-Ion Collisions and QCD Phases XII
HK 66.1–66.6	Thu	15:45–17:15	SCH/A315	Heavy-Ion Collisions and QCD Phases XIII
HK 67.1–67.4	Thu	15:45–17:00	SCH/A316	Hadron Structure and Spectroscopy VIII
HK 68.1–68.4	Thu	15:45–17:00	SCH/A419	Hadron Structure and Spectroscopy IX

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HK 69.1–69.6	Thu	15:45–17:15	SCH/A118	<b>Structure and Dynamics of Nuclei XIV</b>
HK 70.1–70.5	Thu	15:45–17:15	SCH/A215	<b>Structure and Dynamics of Nuclei XV</b>
HK 71.1–71.5	Thu	15:45–17:15	SCH/A117	<b>Structure and Dynamics of Nuclei XVI</b>
HK 72.1–72.5	Thu	15:45–17:00	SCH/A252	<b>Astroparticle Physics II</b>
HK 73.1–73.6	Thu	15:50–17:20	HSZ/0204	<b>Outreach Diverse (joint session T/HK)</b>
HK 74.1–74.54	Thu	17:30–19:00	HSZ EG	<b>Poster</b>
HK 75	Thu	19:00–20:00	HSZ/0002	<b>Members’ Assembly</b>
HK 76.1–76.3	Fri	11:00–12:30	HSZ/0002	<b>Invited Talks IV</b>

### **Members’ Assembly of the Hadronic and Nuclear Physics Division**

Thursday 19:00–20:00 HSZ/0002