

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

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### Overview of Invited Talks and Sessions

(Lecture halls AM 00.011, AM 00.014, AM 00.017, AM 00.021, PHIL A 301, PHIL B 302, PHIL C 301,  
PHIL A 401, PHIL A 602, PHIL B 604, PHIL C 601, and MED 00.915; Poster Redoutensaal)

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

PV IX	Wed	9:00– 9:45	AudiMax	<b>Status and perspectives for science at FAIR (Facility for Antiproton and Ion Research) — •THOMAS NILSSON</b>
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### Invited Talks

HK 1.1	Mon	14:45–15:15	MED 00.915	<b>ALICE Run 3 Physics Highlights — •IGOR ALTSYBEEV</b>
HK 1.2	Mon	15:15–15:45	MED 00.915	<b>Ab initio studies on muon capture and rare decays — •LOTTA JOKINIEMI</b>
HK 10.1	Tue	11:00–11:30	MED 00.915	<b>Baryon scattering amplitudes from lattice QCD — •JOHN BULAVA</b>
HK 10.2	Tue	11:30–12:00	MED 00.915	<b>Exploring Triaxial Deformation in Neutron-rich Nuclei — •KATHRIN WIMMER, BYUL MOON, WOLFRAM KORTEN</b>
HK 10.3	Tue	12:00–12:30	MED 00.915	<b>Jet Targets for Nuclear and Hadron Physics Experiments — •ALFONS KHOUKAZ</b>
HK 10.4	Tue	12:30–13:00	MED 00.915	<b>Probing neutrinos with the KATRIN and LEGEND experiments — •SUSANNE MERTENS</b>
HK 19.1	Wed	11:00–11:30	MED 00.915	<b>Nucleosynthesis of heavy elements in explosive astrophysical environments — •DANIEL SIEGEL</b>
HK 19.2	Wed	11:30–12:00	MED 00.915	<b>Recent results from laser spectroscopy with CRIS at ISOLDE: nuclear structure studies and beyond — •JESSICA WARBINEK</b>
HK 19.3	Wed	12:00–12:30	MED 00.915	<b>QCD at FAIR: Strong QCD Across Communities — •JOHAN MESSCHENDORP, FRANK NERLING</b>
HK 19.4	Wed	12:30–13:00	MED 00.915	<b>New Directions in Micropattern Gaseous Detector Technologies — •PHILIP HAUER</b>
HK 28.1	Thu	11:00–11:30	MED 00.915	<b>Toward the Island of Stability — •KHUYAGBAATAR JADAMBAA</b>
HK 28.2	Thu	11:30–12:00	MED 00.915	<b>From stars to underground labs: Nuclear astrophysics measurements at Felsenkeller — •ELIANA MASHA</b>
HK 28.3	Thu	12:00–12:30	MED 00.915	<b>Hunting exotic mesons in the light-quark sector at GlueX — •FARAH AFZAL</b>
HK 28.4	Thu	12:30–13:00	MED 00.915	<b>Dispersive analyses of Primakoff reactions with kaons — •BASTIAN KUBIS</b>
HK 47.1	Fri	9:00– 9:30	MED 00.915	<b>Supernova signatures on Earth and beyond — •JENNY FEIGE</b>
HK 47.2	Fri	9:30–10:00	MED 00.915	<b>ALICE 3 - The next-generation heavy-ion experiment at the LHC — •LARS DÖPPER</b>
HK 47.3	Fri	10:00–10:30	MED 00.915	<b>Towards Physics Operation of the CBM Experiment at FAIR — •ADRIAN RODRÍGUEZ RODRÍGUEZ</b>
HK 48.1	Fri	11:00–11:30	MED 00.915	<b>Probing confinement and string-breaking with quantum simulations — •TORSTEN ZACHE</b>
HK 48.2	Fri	11:30–12:00	MED 00.915	<b>Exploring stochastic aspects of nuclear gamma decays with photonuclear reactions — •JOHANN ISAAK</b>
HK 48.3	Fri	12:00–12:30	MED 00.915	<b>Precision QCD with ePIC at the Electron-Ion Collider — •TYLER KUTZ</b>

## Sessions

HK 1.1–1.2	Mon	14:45–15:45	MED 00.915	<b>Invited Talks</b>
HK 2.1–2.7	Mon	16:15–18:30	PHIL C 301	<b>Hadron Structure and Spectroscopy I</b>
HK 3.1–3.7	Mon	16:15–18:15	PHIL A 401	<b>Hadron Structure and Spectroscopy II</b>
HK 4.1–4.7	Mon	16:15–18:30	AM 00.011	<b>Structure and Dynamics of Nuclei I</b>
HK 5.1–5.7	Mon	16:15–18:30	AM 00.021	<b>Structure and Dynamics of Nuclei II</b>
HK 6.1–6.7	Mon	16:15–18:15	PHIL C 601	<b>Heavy-Ion Collisions and QCD Phases I</b>
HK 7.1–7.7	Mon	16:15–18:15	PHIL A 602	<b>Nuclear Astrophysics I</b>
HK 8.1–8.7	Mon	16:15–18:15	PHIL A 301	<b>Instrumentation I</b>
HK 9.1–9.7	Mon	16:15–18:15	PHIL B 302	<b>Instrumentation II</b>
HK 10.1–10.4	Tue	11:00–13:00	MED 00.915	<b>Invited Talks</b>
HK 11.1–11.7	Tue	16:15–18:30	PHIL C 301	<b>Hadron Structure and Spectroscopy III</b>
HK 12.1–12.7	Tue	16:15–18:30	PHIL A 401	<b>Hadron Structure and Spectroscopy IV</b>
HK 13.1–13.8	Tue	16:15–18:45	AM 00.011	<b>Structure and Dynamics of Nuclei III</b>
HK 14.1–14.9	Tue	16:15–18:45	AM 00.021	<b>Structure and Dynamics of Nuclei IV</b>
HK 15.1–15.10	Tue	16:15–18:45	PHIL C 601	<b>Heavy-Ion Collisions and QCD Phases II</b>
HK 16.1–16.7	Tue	16:15–18:30	PHIL A 602	<b>Nuclear Astrophysics II</b>
HK 17.1–17.7	Tue	16:15–18:15	PHIL A 301	<b>Instrumentation III</b>
HK 18.1–18.8	Tue	16:15–18:15	PHIL B 302	<b>Instrumentation IV</b>
HK 19.1–19.4	Wed	11:00–13:00	MED 00.915	<b>Invited Talks</b>
HK 20.1–20.6	Wed	13:45–15:45	AM 00.014	<b>Focus Session: QCD@FAIR</b>
HK 21.1–21.7	Wed	13:45–15:45	AM 00.011	<b>Structure and Dynamics of Nuclei V</b>
HK 22.1–22.6	Wed	13:45–15:45	AM 00.021	<b>Structure and Dynamics of Nuclei VI</b>
HK 23.1–23.7	Wed	13:45–15:45	PHIL C 301	<b>Heavy-Ion Collisions and QCD Phases III</b>
HK 24.1–24.7	Wed	13:45–15:45	PHIL A 401	<b>Heavy-Ion Collisions and QCD Phases IV</b>
HK 25.1–25.6	Wed	13:45–15:30	PHIL A 602	<b>Nuclear Astrophysics III</b>
HK 26.1–26.7	Wed	13:45–15:30	PHIL A 301	<b>Instrumentation V</b>
HK 27.1–27.32	Wed	16:15–18:30	Redoutensaal	<b>Poster Session</b>
HK 28.1–28.4	Thu	11:00–13:00	MED 00.915	<b>Invited Talks</b>
HK 29.1–29.6	Thu	13:45–15:30	PHIL C 301	<b>Hadron Structure and Spectroscopy V</b>
HK 30.1–30.6	Thu	13:45–15:45	PHIL A 401	<b>Hadron Structure and Spectroscopy VI</b>
HK 31.1–31.6	Thu	13:45–15:45	AM 00.011	<b>Structure and Dynamics of Nuclei VII</b>
HK 32.1–32.7	Thu	13:45–15:45	PHIL C 601	<b>Heavy-Ion Collisions and QCD Phases V</b>
HK 33.1–33.8	Thu	13:45–15:45	PHIL A 602	<b>Nuclear Astrophysics IV</b>
HK 34.1–34.3	Thu	13:45–15:00	AM 00.021	<b>Fundamental Symmetries I</b>
HK 35.1–35.7	Thu	13:45–15:45	PHIL A 301	<b>Instrumentation VI</b>
HK 36.1–36.7	Thu	13:45–15:45	PHIL B 302	<b>Instrumentation VII</b>
HK 37.1–37.6	Thu	16:15–18:00	PHIL C 301	<b>Hadron Structure and Spectroscopy VII</b>
HK 38.1–38.6	Thu	16:15–18:00	PHIL A 401	<b>Hadron Structure and Spectroscopy VIII</b>
HK 39.1–39.7	Thu	16:15–18:00	AM 00.011	<b>Structure and Dynamics of Nuclei VIII</b>
HK 40.1–40.7	Thu	16:15–18:00	PHIL C 601	<b>Heavy-Ion Collisions and QCD Phases VI</b>
HK 41.1–41.6	Thu	16:15–18:00	PHIL A 602	<b>Heavy-Ion Collisions and QCD Phases VII</b>
HK 42.1–42.3	Thu	16:15–17:30	AM 00.021	<b>Fundamental Symmetries II</b>
HK 43.1–43.3	Thu	16:15–17:00	PHIL B 604	<b>Computing and Outreach</b>
HK 44.1–44.7	Thu	16:15–18:00	PHIL A 301	<b>Instrumentation VIII</b>
HK 45.1–45.6	Thu	16:15–17:45	PHIL B 302	<b>Instrumentation IX</b>
HK 46	Thu	18:00–19:30	AM 00.017	<b>Members' Assembly</b>
HK 47.1–47.3	Fri	9:00–10:30	MED 00.915	<b>Invited Talks</b>
HK 48.1–48.3	Fri	11:00–12:30	MED 00.915	<b>Invited Talks</b>

## Members' Assembly of the Hadronic and Nuclear Physics Division

Thursday 18:00–19:30 AM 00.017

- Approval of the minutes and the agenda
- Report from HK division chair
- Report from KHuK
- Aob