

## Fachverband Physik der Hadronen und Kerne (HK)

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### Übersicht der Hauptvorträge und Fachsitzungen

(Hörsäle F 1, 2, 3, 5, 33, 072, 073, 102 und 234; Poster F Foyer)

#### Plenarvorträge

PV I	Mo	11:00–11:45	H 1	<b>The CNO cycles</b> — ●MICHAEL WIESCHER
PV II	Mo	11:45–12:30	H 1	<b>Das Higgs-Boson – Charakterisierung seiner Natur</b> — ●MARKUS SCHUMACHER
PV III	Di	18:30–19:30	S Aula	<b>Lise-Meitner-Lecture: Erforschung von Urknallmaterie an der Weltmaschine LHC</b> — ●JOHANNA STACHEL
PV IV	Mi	8:30– 9:15	H 1	<b>Advancing Molecular Imaging with Total-Body Positron Emission Tomography</b> — ●SIMON R. CHERRY
PV V	Mi	9:15–10:00	H 1	<b>Heavy Quarks: From Hadron to Particle Physics</b> — ●THOMAS MANNEL
PV VI	Mi	11:40–12:10	H 1	<b>Kinetic theory of waves and quanta</b> — ●HERBERT SPOHN
PV VII	Mi	12:10–12:40	H 1	<b>Topological Insulators: a New State of Matter</b> — ●LAURENS W. MOLENKAMP
PV VIII	Mi	12:40–13:10	H 1	<b>Gravitationswellenastronomie: Wir können das dunkle Universum hören!</b> — ●KARSTEN DANZMANN
PV IX	Mi	20:00–21:00	H 1	<b>Max-von-Laue-Lecture: From the “Vergangenheit der Physik” to the “Future of Physics”: Monolingualism and the Transformation of a Science</b> — ●MICHAEL D. GORDIN
PV X	Do	11:00–11:45	H 1	<b>Searching for the identity of the dark matter in our local neighbourhood</b> — ●CARLOS S. FRENK
PV XI	Do	11:45–12:30	H 1	<b>Hot QCD matter produced in heavy-ion collisions at the LHC</b> — ●SILVIA MASCIOCCHI
PV XII	Do	20:00–21:00	H 1	<b>Früher war alles besser – aber nicht die Batterien</b> — ●MARTIN WINTER

#### Hauptvorträge

HK 10.1	Di	8:30– 9:10	F 1	<b>Status of the FAIR Project</b> — ●PAOLO GIUBELLINO
HK 10.2	Di	9:10– 9:50	F 1	<b>Ab initio calculations of the neutron skin and the electric dipole response of nuclei</b> — ●SONIA BACCA
HK 10.3	Di	9:50–10:30	F 1	<b>QCD in external magnetic fields</b> — ●GERGELY ENDRÖDI
HK 37.1	Do	8:30– 9:10	F 1	<b>Direct Neutrino Mass Measurements</b> — ●SUSANNE MERTENS
HK 37.2	Do	9:10– 9:50	F 1	<b>Precision Nuclear Mass Measurements for Neutrino Physics Studies</b> — ●SERGEY ELISEEV
HK 37.3	Do	9:50–10:30	F 1	<b>Few-neutron resonances and their impact on neutron-rich nuclei</b> — ●JOEL LYNN
HK 55.1	Fr	8:30– 9:10	F 1	<b>Heavy-ion collisions at the LHC - theory overview</b> — ●URS ACHIM WIEDEMANN
HK 55.2	Fr	9:10– 9:50	F 1	<b>The BESII and PANDA experiments</b> — ●CRISTINA MORALES
HK 55.3	Fr	9:50–10:30	F 1	<b>Baryons as bound states of quarks</b> — ●GERNOT EICHMANN
HK 56.1	Fr	11:00–11:40	F 1	<b>The origin of low-lying collective E1 and E2 strength in atomic nuclei</b> — ●MARK SPIEKER
HK 56.2	Fr	11:40–12:20	F 1	<b>Radionuclides for medical applications</b> — ●ULLI KÖSTER

## Dissertationspreis-Symposiums SYDI

Am Montag, 27.3.2017, 14:00h, findet im H1 das Dissertationspreis-Symposium der Fachverbände Gravitation und Relativitätstheorie (GR), Hadronen und Kerne (HK) und Teilchenphysik (T) statt. Die Kurzfassungen zu den Beiträgen der Kandidatinnen und Kandidaten werden rechtzeitig vor der Tagung auf <http://www.dpg-verhandlungen.de> veröffentlicht.

## Hauptvorträge des fachübergreifenden Symposiums SYDM

Das vollständige Programm dieses Symposiums ist unter SYDM aufgeführt.

SYDM 1.1	Mi	14:00–14:35	H 1	<b>Effective field theories for dark matter direct detection</b> — ●MARTIN HOFER RICHTER
SYDM 1.2	Mi	14:35–15:10	H 1	<b>Direct dark matter detection</b> — ●MANFRED LINDNER
SYDM 1.3	Mi	15:10–15:45	H 1	<b>A search for the invisible: Dark Matter and LHC</b> — ●MONICA DUNFORD
SYDM 1.4	Mi	15:45–16:20	H 1	<b>Indirect detection of dark matter - status and perspectives</b> — ●JAN CONRAD

## Fachsitzungen

HK 1.1–1.7	Mo	16:45–19:00	F 5	<b>Hadron Structure and Spectroscopy I</b>
HK 2.1–2.8	Mo	16:45–19:00	F 1	<b>Heavy Ion Collisions and QCD Phases I</b>
HK 3.1–3.8	Mo	16:45–19:00	F 3	<b>Heavy Ion Collisions and QCD Phases II</b>
HK 4.1–4.6	Mo	16:45–18:30	F 2	<b>Structure and Dynamics of Nuclei I</b>
HK 5.1–5.8	Mo	16:45–19:00	F 33	<b>Nuclear Astrophysics I</b>
HK 6.1–6.9	Mo	16:45–19:00	F 072	<b>Instrumentation I</b>
HK 7.1–7.7	Mo	16:45–18:45	F 073	<b>Instrumentation II</b>
HK 8.1–8.8	Mo	16:45–19:00	F 102	<b>HK+T Joint Session I: Gas Detectors/TPC</b>
HK 9.1–9.8	Mo	16:45–19:00	F 234	<b>HK+T Joint Session II: Silicon Strip Detectors</b>
HK 10.1–10.3	Di	8:30–10:30	F 1	<b>Hauptvorträge I</b>
HK 11.1–11.6	Di	11:00–12:30	F 5	<b>Hadron Structure and Spectroscopy II</b>
HK 12.1–12.5	Di	11:00–12:30	F 1	<b>Heavy Ion Collisions and QCD Phases III</b>
HK 13.1–13.5	Di	11:00–12:30	F 2	<b>Structure and Dynamics of Nuclei II</b>
HK 14.1–14.5	Di	11:00–12:30	F 33	<b>Astroparticle Physics I</b>
HK 15.1–15.5	Di	11:00–12:30	F 3	<b>Instrumentation III</b>
HK 16.1–16.4	Di	11:00–12:30	F 072	<b>Instrumentation IV</b>
HK 17.1–17.6	Di	11:00–12:30	F 102	<b>HK+T Joint Session III: Gas Detectors/GEM</b>
HK 18.1–18.5	Di	11:00–12:20	F 073	<b>HK+T Joint Session IV: Pixel Detectors</b>
HK 19.1–19.7	Di	14:00–16:15	F 5	<b>Hadron Structure and Spectroscopy III</b>
HK 20.1–20.8	Di	14:00–16:15	F 1	<b>Heavy Ion Collisions and QCD Phases IV</b>
HK 21.1–21.8	Di	14:00–16:15	F 3	<b>Heavy Ion Collisions and QCD Phases V</b>
HK 22.1–22.8	Di	14:00–16:15	F 2	<b>Structure and Dynamics of Nuclei III</b>
HK 23.1–23.8	Di	14:00–16:15	F 33	<b>Nuclear Astrophysics II</b>
HK 24.1–24.6	Di	14:00–16:15	F 073	<b>Fundamental Symmetries I</b>
HK 25.1–25.5	Di	14:00–15:30	F 072	<b>Instrumentation VI</b>
HK 26.1–26.8	Di	14:00–16:15	F 102	<b>Instrumentation V</b>
HK 27.1–27.95	Di	16:45–18:45	F Foyer	<b>Poster</b>
HK 28.1–28.8	Mi	16:45–19:00	F 5	<b>Hadron Structure and Spectroscopy IV</b>
HK 29.1–29.8	Mi	16:45–19:00	F 1	<b>Heavy Ion Collisions and QCD Phases VI</b>
HK 30.1–30.8	Mi	16:45–19:00	F 3	<b>Heavy Ion Collisions and QCD Phases VII</b>
HK 31.1–31.9	Mi	16:45–19:00	F 2	<b>Structure and Dynamics of Nuclei IV</b>
HK 32.1–32.8	Mi	16:45–19:00	F 33	<b>Structure and Dynamics of Nuclei V</b>
HK 33.1–33.8	Mi	16:45–19:00	F 072	<b>Instrumentation VII</b>
HK 34.1–34.8	Mi	16:45–19:00	F 073	<b>Instrumentation VIII and Accelerators</b>
HK 35.1–35.9	Mi	16:45–19:00	F 102	<b>HK+T Joint Session V: Silicon Strip Detectors</b>
HK 36.1–36.9	Mi	16:45–19:00	F 234	<b>HK+T Joint Session VI: Radiation Damage</b>
HK 37.1–37.3	Do	8:30–10:30	F 1	<b>Hauptvorträge II</b>
HK 38.1–38.8	Do	14:00–16:15	F 5	<b>Hadron Structure and Spectroscopy V</b>
HK 39.1–39.8	Do	14:00–16:15	F 1	<b>Heavy Ion Collisions and QCD Phases VIII</b>
HK 40.1–40.9	Do	14:00–16:15	F 3	<b>Heavy Ion Collisions and QCD Phases IX</b>
HK 41.1–41.8	Do	14:00–16:15	F 2	<b>Structure and Dynamics of Nuclei VI</b>

HK 42.1–42.7	Do	14:00–16:00	F 33	<b>Nuclear Astrophysics III</b>
HK 43.1–43.7	Do	14:00–16:15	F 073	<b>Astroparticle Physics II</b>
HK 44.1–44.7	Do	14:00–16:00	F 102	<b>Instrumentation IX</b>
HK 45.1–45.7	Do	14:00–15:45	F 072	<b>Instrumentation X</b>
HK 46.1–46.7	Do	16:45–19:00	F 5	<b>Hadron Structure and Spectroscopy VI</b>
HK 47.1–47.8	Do	16:45–19:00	F 1	<b>Heavy Ion Collisions and QCD Phases X</b>
HK 48.1–48.9	Do	16:45–19:00	F 2	<b>Structure and Dynamics of Nuclei VII</b>
HK 49.1–49.8	Do	16:45–19:00	F 33	<b>Structure and Dynamics of Nuclei VIII</b>
HK 50.1–50.9	Do	16:45–19:00	F 3	<b>Instrumentation XI</b>
HK 51.1–51.9	Do	16:45–19:00	F 072	<b>Instrumentation XII</b>
HK 52.1–52.8	Do	16:45–19:00	F 102	<b>HK+T Joint Session VII: Gas Detectors/GEM</b>
HK 53.1–53.8	Do	16:45–19:00	F 073	<b>HK+T Joint Session VIII: Pixel Detectors</b>
HK 54.1–54.8	Do	16:45–19:05	F 234	<b>HK+T Joint Session IX: Calorimeter</b>
HK 55.1–55.3	Fr	8:30–10:30	F 1	<b>Hauptvorträge III</b>
HK 56.1–56.2	Fr	11:00–12:20	F 1	<b>Hauptvorträge IV</b>
HK 57.1–57.7	Fr	14:00–16:15	F 5	<b>Hadron Structure and Spectroscopy VII</b>
HK 58.1–58.8	Fr	14:00–16:15	F 1	<b>Heavy Ion Collisions and QCD Phases XI</b>
HK 59.1–59.7	Fr	14:00–16:15	F 3	<b>Heavy Ion Collisions and QCD Phases XII</b>
HK 60.1–60.8	Fr	14:00–16:15	F 2	<b>Structure and Dynamics of Nuclei IX</b>
HK 61.1–61.9	Fr	14:00–16:15	F 33	<b>Structure and Dynamics of Nuclei X</b>
HK 62.1–62.8	Fr	14:00–16:00	F 102	<b>Instrumentation XIII</b>
HK 63.1–63.8	Fr	14:00–16:00	F 072	<b>Instrumentation XIV</b>

### Mitgliederversammlung Fachverband Physik der Hadronen und Kerne

Donnerstag 19:15–20:00 F 1