

SCHEDULE

MONDAY

- 08:30–09:30 Registration at the foyer of the
»Physikalisches Institut«, INF 226
- 09:30–12:30 Morning lectures
- 12:30–13:30 Lunch, welcome address
- 14:00–17:00 Afternoon lectures
- 17:30–18:30 Additional lecture
- 18:30– ... General welcome party

TUESDAY

- 09:30–12:30 Morning lectures
- 12:30–13:30 Lunch
- 14:00–17:00 Afternoon lectures
- 17:15– ... Student Representatives' Welcome

WEDNESDAY

- 09:30–12:30 Morning lectures
- 12:30–13:30 Lunch
- 14:00–17:00 Afternoon lectures

THURSDAY

- 09:30–12:30 Morning lectures
- 12:30–13:30 Lunch
- 14:00–17:00 Afternoon lectures
- 17:30–18:30 Hans Jensen Invited Lecture
- 18:30– ... d-fine barbecue

FRIDAY

- 09:30–12:30 Morning lectures
- 12:30–13:30 Lunch
- 14:00–17:00 Afternoon lectures

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MAP



- 1 »Physikalisches Institut«, INF 226
- 2 »Kirchhoff-Institut für Physik«, INF 227
- 3 »Institut für Umweltphysik«, INF 229
- 4 »Hörsäle Physik«, INF 308
- 5 »Mensa Area E«, INF 304

PHOTO: FOTOLIA/EVETRONIC, COMPOSITION AND GRAPHIC DESIGN: ANKE HEINZELMANN



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

39th HEIDELBERG PHYSICS GRADUATE DAYS

October 9–13, 2017

AT THE DEPARTMENT OF PHYSICS AND ASTRONOMY

PROGRAMME

SUPPORTED BY:



FURTHER
INFORMATION:



PROGRAMME

MORNING COURSES (9:30–12:30)

QUANTUM NONLOCALITY AND GENERAL PROBABILISTIC THEORIES

Markus Müller, IQOQI, Institute for Quantum Optics and Quantum Information, Vienna

ROOM: TO BE DECIDED

ASTROSEISMOLOGY

Saskia Hekker, Max Planck Institute for Solar System Research, Göttingen

ROOM: TO BE DECIDED

PRECISION PHYSICS WITH ANTIMATTER

Christian Smorra, Andreas Mooser, CERN, Geneva

ROOM: TO BE DECIDED

FUNDAMENTAL QUANTUM STRUCTURE OF SPACETIME

Astrid Eichhorn, Heidelberg University

ROOM: TO BE DECIDED

PRESENTING RESEARCH RESULTS

Ute Leidig, Heidelberg University

ROOM: TO BE DECIDED

AFTERNOON COURSES (14:00–17:00)

THE THEORY OF COSMIC INFLATION

Enrico Pajer, Utrecht University *ROOM: TO BE DECIDED*

SUPERCONDUCTING QUANTUM COMPUTERS:
EXPERIMENTAL BASICS AND STATE OF THE ART

Jürgen Lisenfeld, Karlsruhe Institute of Technology (KIT)
ROOM: TO BE DECIDED

THE SECRET LIVES OF CLOUDS: THE ROLE OF CLOUDS FOR
CLIMATE, WEATHER AND AIR QUALITY

Thomas Leisner, Karlsruhe Institute of Technology (KIT),
Ulrich Platt, Heidelberg University *ROOM: TO BE DECIDED*

ACTIVE MATTER: PATTERN FORMATION AND COLLECTIVE
PHENOMENA IN BIOLOGICAL SYSTEMS

Falko Ziebert, Heidelberg University *ROOM: TO BE DECIDED*

DETECTORS FOR PARTICLE TRACKING AND IDENTIFICATION

Silvia Masciocchi, GSI, Darmstadt *ROOM: TO BE DECIDED*

DATA SCIENCE IN RISK, FINANCE AND BEYOND

Team d-fine, d-fine, Frankfurt am Main
ROOM: TO BE DECIDED

ADDITIONAL LECTURE (MONDAY, 17:30–18:30)

ENTERING THE NEXT DIMENSION IN DIGITAL INSPECTION

Christof Reinhart, Volume Graphics, Heidelberg
ROOM: TO BE DECIDED

STUDENT REPRESENTATIVES' WELCOME (TUESDAY, 17:15–...)

Arrianna Picotti, Janko Nauta *ROOM: TO BE DECIDED*

HANS JENSEN INVITED LECTURE (THURSDAY, 17:30–18:30)

GRAVITATIONAL WAVES, BLACK HOLES, DARK MATTER,
AND THE EARLY UNIVERSE

Marc Kamionkowski, Johns Hopkins University, Baltimore
ROOM: TO BE DECIDED

BREAKS AND EVENTS

COFFEE BREAKS (AROUND 11:00 AND 15:30)

FOYER, INF 226

LUNCH BREAK (12:30–13:30)

»MENSA AREA E«, INF 304

GENERAL WELCOME PARTY (MONDAY, 18:30–...)

FOYER, INF 226

D-FINE BARBECUE (THURSDAY, 18:30–...)

FOYER, INF 226

LEGEND

INF 226 K1 »Konferenz 1«
room 00.101
»Physikalisches Institut«
Ground floor

INF 226 K2/3 »Konferenz 2/3«
room 00.102/103
»Physikalisches Institut«
Ground floor

INF 227 HS1 »Großer Hörsaal«
Kirchhoff Institute for Physics
Ground floor

INF 227 HS2 »Kleiner Hörsaal«
Kirchhoff Institute for Physics
Ground floor

INF 227 SR 3.402 Seminar room
Kirchhoff Institute for Physics
3rd floor

INF 227 SR 3.403 Seminar room
Kirchhoff Institute for Physics
3rd floor

INF 227 SR 3.404 Seminar room
Kirchhoff Institute for Physics
3rd floor

REGISTRATION

All participants are requested to register at the conference office on Monday morning between 8:30 and 9:30.

This office will be positioned in the foyer of the »Physikalisches Institut«, INF 226. If you have not paid the conference fee, you should do it in cash then.

At this office, you can obtain further information about the event. There will also be a short welcome address by the organisers on Monday during the lunch break, where you can ask further questions.