

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
- 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

PUBLISHED BY

The Central Office of the
Heidelberg Graduate School for Physics,
INF 226, 69120 Heidelberg,
all rights reserved

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



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

43rd HEIDELBERG PHYSICS GRADUATE DAYS

October 7–11, 2019

AT THE DEPARTMENT OF PHYSICS AND ASTRONOMY

PROGRAMME

SUPPORTED BY:

d-fine



STRUCTURES
CLUSTER OF
EXCELLENCE



MAX-PLANCK-INSTITUT
FÜR KERNPHYSIK



Center for
Quantum Dynamics

FURTHER
INFORMATION:



PROGRAMME

MORNING COURSES (9:30–12:30)

- NEW INSIGHTS IN STRONGLY CORRELATED SYSTEMS
FROM ULTRACOLD QUANTUM GASES
Michael Knap, Fabian Grusdt, TU München
INF 226 K2/3
- FORMATION OF PLANETARY SYSTEMS: SOLAR AND EXTRASOLAR
Wilhelm Kley, University of Tübingen
INF 227 SR 1.404
- HIGH-PRECISION TESTS OF QUANTUM ELECTRODYNAMICS
Zoltán Harman, Florian Köhler-Langes,
Max-Planck-Institut für Kernphysik
INF 227 SR 2.403
- MODERN BAYESIAN INFERENCE FOR MACHINE LEARNING
Melih Kandemir, Bosch Center for AI
INF 227 HS2
- SOFT, ACTIVE AND LIVING MATTER
Benno Liebchen, TU Darmstadt
INF 227 SR 2.404
- ATMOSPHERIC OXYGEN: USEFUL FOR MORE THAN
JUST BREATHING
Penelope Pickers, University of East Anglia
and Heidelberg University
INF 226 K1

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.

AFTERNOON COURSES (14:00–17:00)

- SUPERCONDUCTIVITY - FUNDAMENTALS AND RECENT ADVANCES
Reinhold Kleiner, University of Tübingen
INF 227 HS2
- THE MULTI-MESSENGER HUNT FOR COSMIC PARTICLE
ACCELERATORS
Jim Hinton, Harm Schoorlemmer,
Max-Planck-Institut für Kernphysik
INF 227 SR 1.404
- RECONSTRUCTION, MODELING AND FUTURE IMPLICATIONS
OF CHANGES IN PAST CLIMATE VARIABILITY
Kira Rehfeld, Heidelberg University
INF 227 CIP POOL
- CLASSICAL AND QUANTUM DYNAMICAL SYSTEMS
Sandro Wimberger, Università di Parma
INF 226 K2/3
- CONSULTING IN THE DIGITAL ECONOMY –
FROM PROOF-OF-CONCEPT TO OPERATIONAL USE CASES
Team d-fine, d-fine, Frankfurt am Main
INF 226 K1

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

- FROM REUTLINGEN TO SPACE
Lisa Haas, Robert Bosch GmbH Reutlingen
INF 227 HS2

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

INF 226 K2/3

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

- THE COMPLEXITY FRONTIER
Brice Ménard, Johns Hopkins University
INF 227 HS1

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 00.102–00.103
»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 CIP POOL»CIP POOL«
Room 01.401
Kirchhoff Institute for Physics
1st floor
- INF 227 SR 1.404Seminar room
Kirchhoff Institute for Physics
1st floor
- INF 227 SR 2.403Seminar room
Kirchhoff Institute for Physics
2nd floor
- INF 227 SR 2.404Seminar room
Kirchhoff Institute for Physics
2nd floor