

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



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



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

36th HEIDELBERG PHYSICS GRADUATE DAYS

April 11–15, 2016

AT THE DEPARTMENT OF PHYSICS AND ASTRONOMY

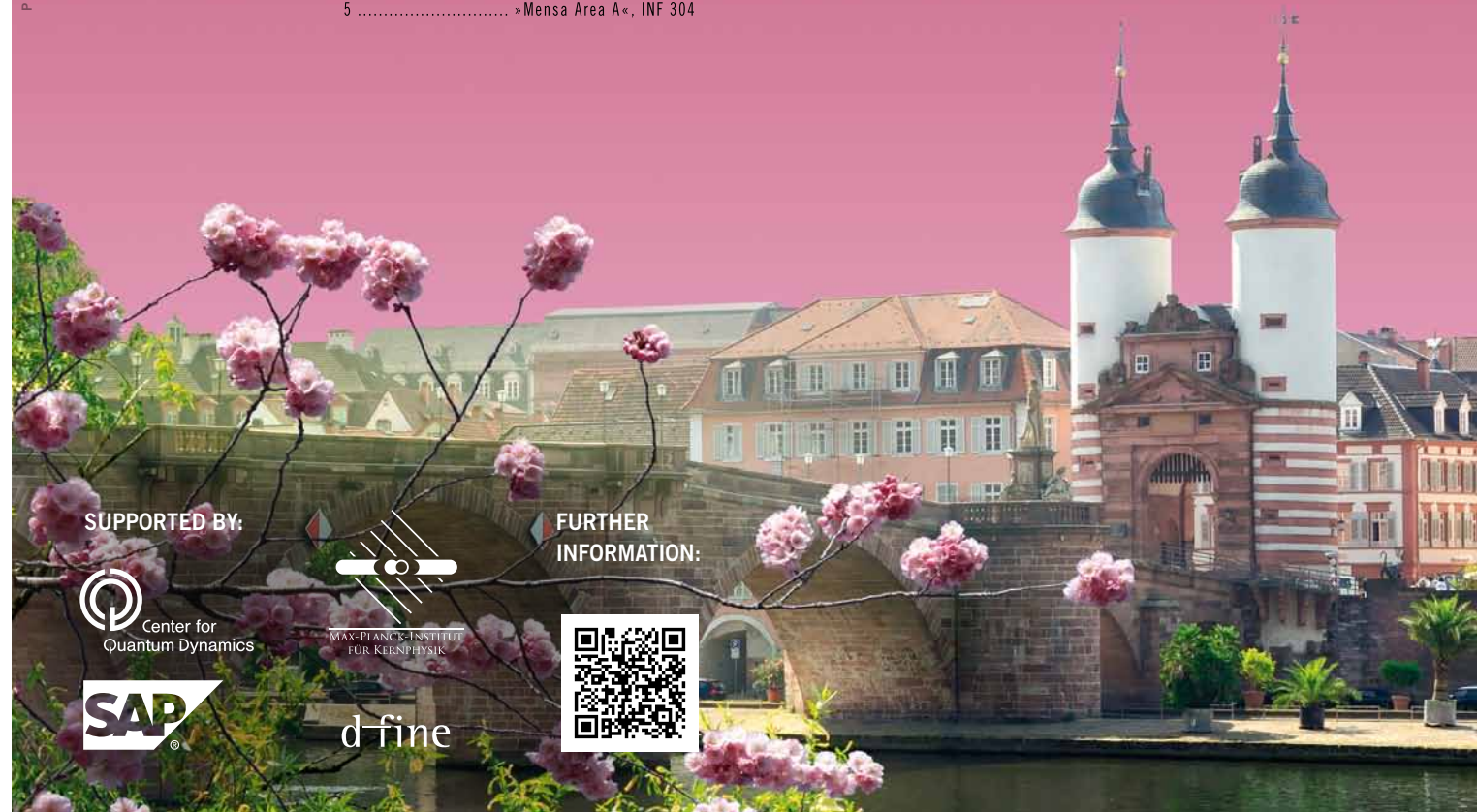
PROGRAMME

SUPPORTED BY:



d-fine

FURTHER
INFORMATION:



PROGRAMME

MORNING COURSES (9:30–12:30)

INTRODUCTION TO GAUGE/GRAVITY DUALITIES –
FROM STRINGS AND BLACK HOLES
TO CONDENSED MATTER SYSTEMS AND BACK

Martin Ammon, University of Jena

INF 226 K2/3

PLANET FORMATION

Bertram Bitsch, Lund University, Sweden

INF 227 SR 3.403/404

TOPOLOGICAL PHASES IN SOLIDS:
EMERGENCE OF DIRAC, WEYL, AND MAJORANA FERMIONS

Stephan Rachel, TU Dresden

INF 227 SR 1.403/404

NEUTRINO PHYSICS: PHENOMENOLOGY AND THEORY

Werner Rodejohann, Max-Planck-Institut für Kernphysik

INF 227 HS2

ANALYZING PERSONAL POTENTIAL FOR YOUR CAREER

Ute Leidig, 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. There will also be a short welcome address by the organisers on Monday during the lunch break, where you can ask further questions.

AFTERNOON COURSES (14:00–17:00)

DYNAMICS AND SPECTROSCOPY OF MOLECULAR
SYSTEMS: FROM THE INFRARED TO THE X-RAY REGIME

Oliver Kühn, University of Rostock

INF 226 K2/3

GEOMETRICAL AND TOPOLOGICAL METHODS IN PHYSICS

Andreas Braun, University of Oxford

INF 227 SR 3.403/404

THE HIGGS AND BEYOND:
DAWN OF A NEW ERA OF PARTICLE PHYSICS

Oleg Brandt, Martin Bauer, Heidelberg University

INF 227 SR 1.403/404

QUANTUM ELECTRODYNAMICS: BASIC FOUNDATIONS
AND MODERN ISSUES IN THE PRESENCE OF
INTENSE BACKGROUND ELECTROMAGNETIC FIELDS

Antonino Di Piazza, Max-Planck-Institut für Kernphysik

INF 226 K1

PHILOSOPHY OF PHYSICS

Norman Sieroka, ETH Zürich

INF 227 HS2

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

DATA SCIENCE - A CAREER OPPORTUNITY IN CONSULTING?

Engelbert Quack, Helmut Linde, SAP SE, Walldorf

INF 227 HS2

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

Alda Arias, Maximilian Prüfer

INF 226 K2/3

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

ENGINES OF STRUCTURE FORMATION IN THE UNIVERSE:
FROM DARK MATTER TO ALTERNATIVE GRAVITY

Adi Nusser, Technion – Israel Institute of Technology

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 A«, 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 1.403/404

Seminar room
Kirchhoff Institute for Physics
1st floor

INF 227 SR 3.403/404

Seminar room
Kirchhoff Institute for Physics
3rd floor