

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
- 17:30–18:30 Hans Jensen Invited Lecture
- 18:30– ... d-fine barbecue

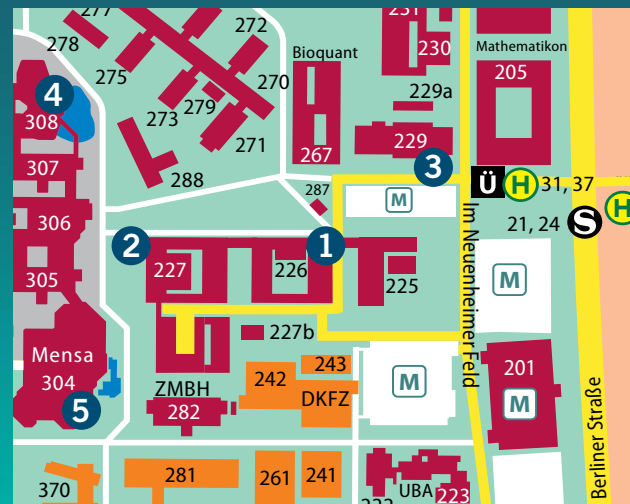
THURSDAY

- 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 Umwelphysik«, INF 229
- 4 »Hörsäle Physik«, INF 308
- 5 »Mensa Area E«, INF 304

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UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

38th HEIDELBERG PHYSICS GRADUATE DAYS

April 10–13, 2017

AT THE DEPARTMENT OF PHYSICS AND ASTRONOMY

PROGRAMME



SUPPORTED BY:



FURTHER
INFORMATION:



d-fine

PROGRAMME

MORNING COURSES (9:30–12:30)

CORRELATED QUANTUM DYNAMICS OF ULTRACOLD
FEW- TO MANY-BODY SYSTEMS

Peter Schmelcher, University of Hamburg

INF226 K1

QUANTUM FIELD THEORY IN EXTREME ENVIRONMENTS

Kenji Fukushima, The University of Tokyo

INF227 SR.3.404

SOLAR SYSTEM EXPLORATION MISSIONS AND THEIR
SCIENTIFIC OUTCOME

Tra-Mi Ho, DLR-Institute of Space Systems, Bremen

Angelo Rossi, Jacobs University Bremen *INF226 K2/3*

BLACK HOLES AND QUANTUM GRAVITY CONSTRAINTS ON
FIELD THEORIES

Pablo Soler, Heidelberg University

INF227 HS2

GREENHOUSE GASES AND CLIMATE CHANGE: INSIGHTS INTO
THE GLOBAL CARBON CYCLE USING ISOTOPE STUDIES

Samuel Hammer, Heidelberg University

INF227 SR.3.402

ANALYZING PERSONAL POTENTIAL FOR YOUR CAREER

Ute Leidig, Heidelberg University

INF227 SR.3.403

AFTERNOON COURSES (14:00–17:00)

THE FORMATION OF STRUCTURE IN COSMOLOGY

John Peacock, University of Edinburgh

INF226 K2/3

PHYSICS WITH A FEW ATOMS, PHOTONS AND PHONONS

Manas Mukherjee, National University of Singapore

INF227 SR.3.404

APPLICATIONS OF GROUP THEORY IN PHYSICS

Carsten Müller, Heinrich Heine University Düsseldorf

INF226 K1

BASICS OF ION BEAM THERAPY AND APPLICATIONS

Gerhard Kraft, Wilma Kraft-Weyrather, GSI Darmstadt

INF227 SR.3.403

MACHINE LEARNING IN SCIENCE AND INDUSTRY

Alex Rogozhnikov, Tatiana Likhomanenko, Yandex, Moscow

INF227 HS2

INTRODUCTION TO QUANTUM DYNAMICS IN ATOMS,
MOLECULES AND SOLIDS

Maurits Haverkort, Heidelberg University

INF227 SR.3.402

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

CAREER OPPORTUNITIES IN CONSULTING AND DEEP LEARNING

Engelbert Quack, Hinnerk Gildhoff, SAP SE, Walldorf

INF227 HS2

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

Arrianna Picotti, Janko Nauta

INF226 K2/3

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

QUANTUM SIMULATION WITH QUANTUM OPTICAL SYSTEMS –
ATOMIC PHYSICS MEETS CONDENSED MATTER AND
HIGH ENERGY PHYSICS

Peter Zoller, University of Innsbruck

INF227 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 (WEDNESDAY, 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.