

SCHEDULE

MONDAY

- 08:30–09:30 Registration at the foyer of the new
»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– ... HGSFP Annual General Meeting and
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

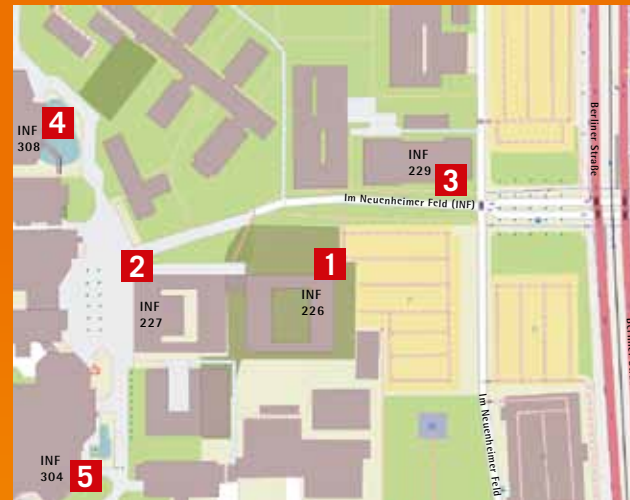
FRIDAY

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

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MAP



- 1 »Neues Physikalisches Institut«, INF 226
- 2 »Kirchhoff-Institut für Physik«, INF 227
- 3 »Institut für Umweltphysik«, INF 229
- 4 »Hörsäle Physik«, INF 308
- 5 »Chez Pierre«, INF 304

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



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

31st HEIDELBERG PHYSICS GRADUATE DAYS

7–11 OCTOBER, 2013

AT THE DEPARTMENT OF PHYSICS AND ASTRONOMY

PROGRAMME

SUPPORTED BY:

McKinsey&Company



MAX-PLANCK-INSTITUT
FÜR KERNPHYSIK

d-fine

FURTHER
INFORMATION:



REGISTRATION

All participants are requested to register at the conference office on Monday morning between 8:30 and 9:30 a.m. This office will be positioned in the foyer of the new »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.

PROGRAMME

MORNING COURSES (9:30–12:30)

INTRODUCTION TO THE THEORY OF GRAPHENE
Andrea Tomadin, NEST, Istituto Nanoscienze-CNR and Scuola Normale Superiore, Pisa

INF 227 HS2

INTRODUCTION TO BPS BLACK HOLES
Gabriel Lopes Cardoso, University of Lisboa

INF 227 SR 2.403

MAKING SENSE OF NON-HERMITIAN HAMILTONIANS
Carl Bender, Washington University, St. Louis

INF 226 K2/3

NON-EQUILIBRIUM QUANTUM DYNAMICS
WITH BOSE-EINSTEIN CONDENSATES
Ofir Alon, Haifa University

INF 227 SR 2.402

PHENOMENOLOGY OF NEUTRINO OSCILLATIONS
Evgeny Akhmedov, Max-Planck-Institut für Kernphysik

INF 226 K1

JOBS AND CAREERS IN ASTRONOMY
Eva Grebel, Heidelberg University

INF 227 SR 2.401

AFTERNOON COURSES (14:00–17:00)

EXPERIMENTAL STATUS OF QCD

Markus Wobisch, Louisiana Tech University

INF 226 K1

THE PHYSICS OF COMPACT OBJECTS AND THEIR
BINARY INTERACTIONS

Thomas Tauris, Max Planck Institute for Radio Astronomy and
Astronomical Institute, University of Bonn

INF 227 SR 2.403

CLIMATE ENGINEERING – THE PHYSICS OF
INTENTIONAL CLIMATE MODIFICATIONS

Ulrich Platt, Heidelberg University

INF 227 HS2

IMAGING OF ULTRAFAST ATOMIC PROCESSES

Robert Moshhammer, Max-Planck-Institut für Kernphysik

INF 227 SR 2.401

RADIATION AND MEDICINE: HOW TRUE IMAGES MAY BE
CONSTRUCTED, CANCERS CURED AND UNSCIENTIFIC
FEARS DISPELLED

Wade Allison, University of Oxford

INF 227 SR 2.402

THE D-FINE JOURNEY:
FROM PHYSICS TO FINANCE AND RISK MANAGEMENT

Team d-fine, d-fine, Frankfurt am Main

INF 226 K2/3

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

FROM DYNAMICS OF ULTRA-COLD ATOMS TO THE
DYNAMICS OF FINANCIAL MARKETS

Ghazal Tayebirad, HypoVereinsbank

INF 227 HS2

HGSFP ANNUAL GENERAL MEETING AND
STUDENT REPRESENTATIVES' WELCOME
(TUESDAY, 17:15–...)

Directorate, HGSFP

INF 226 K2/3

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

THE BOUNDARY LINE BETWEEN QUANTUM MECHANICS
AND CLASSICAL LOGIC

Gerard 't Hooft, Utrecht University

INF 227 HS1

BREAKS AND EVENTS

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

FOYER, INF 226

LUNCH BREAK (12:30–13:30)

»CHEZ PIERRE«, 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
New »Physikalisches Institut«
Ground floor

INF 226 K2/3

»Konferenz 2/3«, room 00.102/103
New »Physikalisches Institut«
Ground floor

INF 227 HS1

»Großer Hörsaal« (Great lecture theatre)
Kirchhoff Institute for Physics
Ground floor

INF 227 HS2

»Kleiner Hörsaal« (Small lecture theatre)
Kirchhoff Institute for Physics
Ground floor

INF 227 SR 2.401

Seminar room,
Kirchhoff Institute for Physics,
2nd floor

INF 227 SR 2.402

Seminar room,
Kirchhoff Institute for Physics,
2nd floor

INF 227 SR 2.403

Seminar room,
Kirchhoff Institute for Physics,
2nd floor