

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

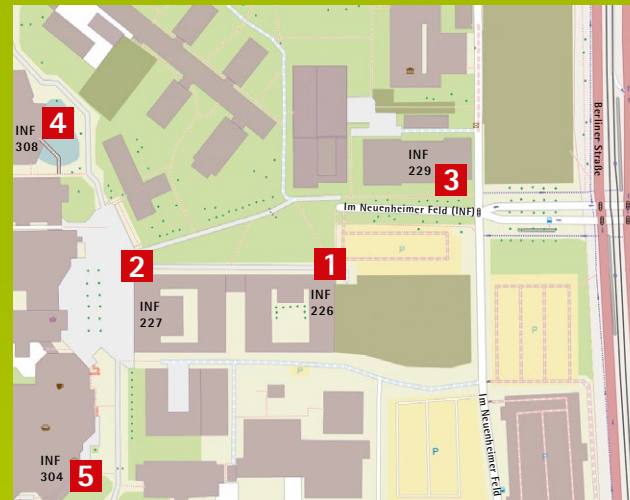
FRIDAY

- 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 Umwelphysik«, INF 229
4 »Hörsäle Physik«, INF 308
5 »Chez Pierre«, INF 304



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

32nd HEIDELBERG PHYSICS GRADUATE DAYS

7–11 APRIL, 2014

AT THE DEPARTMENT OF PHYSICS AND ASTRONOMY

PROGRAMME

SUPPORTED BY:



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 »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)

(THERMO)DYNAMICS OF LATTICE BOSONS

Pierfrancesco Buonsante, QSTAR Center and CNR-INO Firenze
INF 227 SR 1.403/1.404

INFLATIONARY MODELS AND THEIR OBSERVATIONAL TESTS IN THE COSMIC MICROWAVE BACKGROUND

Chris Byrnes, University of Sussex
Björn Malte Schäfer, Heidelberg University
INF 226 K1

GPU COMPUTING

Holger Fröning, Heidelberg University
INF 227 CIP POOL

GEOMETRY AND TOPOLOGY IN PHYSICS

Timo Weigand, Heidelberg University
INF 227 HS2

DARK MATTER

Joachim Kopp, Max-Planck-Institut für Kernphysik
INF 226 K2/3

ANALYZING PERSONAL POTENTIAL FOR YOUR CAREER

Ute Leidig, Heidelberg University
INF 227 SR 3.401

AFTERNOON COURSES (14:00–17:00)

NUCLEAR ASTROPHYSICS

Almudena Arcones, GSI, Darmstadt
Camilla Juul Hansen, Heidelberg University
INF 227 SR 1.403/1.404

APPLICATIONS OF FREE-ELECTRON LASERS IN PHYSICS, CHEMISTRY, AND BIOLOGY

José Ramón Crespo López-Urrutia, Max-Planck-Institut für Kernphysik
Daniel Rolles and **Robin Santra**, DESY, Hamburg
INF 227 HS2

DYNAMIC THERMALIZATION

Boris Fine, Nazarbayev University, Astana, Kazakhstan
INF 227 SR 3.401

QUANTUM KEY DISTRIBUTION:
FROM PRINCIPLES TO IMPLEMENTATIONS

Norbert Lütkenhaus, University of Waterloo, Canada
INF 226 K1

EXPERIMENTAL ASPECTS OF MOLECULAR ELECTRONICS

Elke Scheer, University of Konstanz
INF 226 K2/3

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

POWERING AUTOS TO 2020 – A STRATEGIC PERSPECTIVE ON E-MOBILITY

Albert Waas, The Boston Consulting Group
INF 227 HS2

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

Walter Hahn, Puneet Murthy
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 »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 CIP POOL	»CIP POOL«, room 1.401 Kirchhoff Institute for Physics 1st floor
INF 227 SR 1.403/1.404	Seminar room Kirchhoff Institute for Physics 1st floor
INF 227 SR 3.401	Seminar room Kirchhoff Institute for Physics 3rd floor