

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

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UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

33rd HEIDELBERG PHYSICS GRADUATE DAYS

October 6–10, 2014

AT THE DEPARTMENT OF PHYSICS AND ASTRONOMY

PROGRAMME

SUPPORTED BY:



MAX-PLANCK-INSTITUT
FÜR KERNPHYSIK

FURTHER
INFORMATION:



d-fine

PROGRAMME

MORNING COURSES (9:30–12:30)

MONTE CARLO GENERATORS IN HIGH ENERGY PHYSICS
Frank Krauss, Durham University

INF 227 SR 2.402

GRAVITATIONAL WAVE DETECTORS:
OBSERVING TINY JITTERS IN SPACE-TIME
Harald Lück, Leibniz Universität and Max-Planck-Institut
für Gravitationsphysik, Hannover

INF 226 K2/3

QUANTUM NONLOCALITY AND CONTEXTUALITY
Markus Müller, Heidelberg University

INF 226 K1

ALGEBRAIC GEOMETRY FOR PHYSICISTS
Ana Peón-Nieto, Heidelberg University

INF 227 SR 2.403

MANY-BODY PHYSICS WITH RYDBERG ATOMS
Shannon Whitlock, Heidelberg University

INF 227 SR 2.401

PRESENTING RESEARCH RESULTS
Ute Leidig, Heidelberg University

INF 227 SR 3.402

AFTERNOON COURSES (14:00–17:00)

MODERN SOLAR PHYSICS
Team Sun, Kiepenheuer Institut für Sonnenphysik, Freiburg
INF 227 SR 2.402

QUANTUM SPACE TIME
Bianca Dittrich, Perimeter Institute, Waterloo
INF 226 K2/3

HEAVY ION PHYSICS AND THE QUARK-GLUON-PLASMA
Yvonne Pachmayer, Heidelberg University
INF 227 SR 3.402

THE SEARCH FOR DARK MATTER
Marc Schumann, University of Bern
INF 227 SR 2.404

ELASTICITY AND DIFFERENTIAL GEOMETRY
OF BIOLOGICAL SHAPES
Ulrich Schwarz, Heidelberg University
INF 227 SR 2.403

HAMILTONIAN CHAOS
Sandro Wimberger, Parma University and
INFN Section Milan Bicocca
INF 227 SR 2.401

PHYSICISTS IN FINANCE
Team d-fine, d-fine, Frankfurt am Main
INF 226 K1

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

INDUSTRIAL METROLOGY AND
THE INTERNATIONAL SYSTEM OF UNITS
Thomas Bruns, Physikalisch-Technische Bundesanstalt, Braunschweig
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)

FROM EINSTEIN'S QUESTIONS TO QUANTUM BITS:
A NEW QUANTUM REVOLUTION
Alain Aspect, Institut d'Optique, Palaiseau
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 SR 2.401–2.404 Seminar rooms
Kirchhoff Institute for Physics
2nd floor

INF 227 SR 3.402 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.