

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

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 Additional lecture
18:30– ... Get-together with beer and pretzels

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

35th HEIDELBERG PHYSICS GRADUATE DAYS

October 5–9, 2015

AT THE DEPARTMENT OF PHYSICS AND ASTRONOMY

PROGRAMME

SUPPORTED BY:



d-fine



FURTHER INFORMATION:



PROGRAMME

MORNING COURSES (9:30–12:30)

BIOMOLECULAR SIMULATION

Rebecca Wade, Frauke Gräter, Heidelberg
Institute for Theoretical Studies (HITS) *INF 227 SR 1.403*

SUPERCONDUCTIVITY AND SUPERCONDUCTING ELECTRONICS

Rudolf Gross and Frank Deppe, Walther-Meißner-Institute for
Low Temperature Research and Technische Universität München
INF 226 K2/3

COHERENT CONTROL OF ULTRAFAST DYNAMICS: FROM ATOMS TO SOLIDS

Matthias Wollenhaupt, University of Oldenburg
INF 227 SR 1.404

EMPIRICAL INFERENCE AND LEARNING FROM DATA

Michael Hirsch, Max Planck Institute
for Intelligent Systems, Tübingen *INF 227 SR 1.401*

IDEAS AND RESULTS OF THE MATHEMATICAL THEORY OF PHASE TRANSITIONS

Manfred Salmhofer, Heidelberg University *INF 227 SR 3.403/404*

PRESENTING RESEARCH RESULTS

Ute Leidig, Heidelberg University *INF 226 K1*

AFTERNOON COURSES (14:00–17:00)

EXPLORING COLLECTIVE FEATURES OF QCD IN HEAVY ION COLLISIONS

Raju Venugopalan, Brookhaven National Laboratory, New York
INF 227 SR 1.404

FINITE QUANTUM SYSTEMS – FROM SEMICONDUCTOR QUANTUM DOTS AND WIRES TO ULTRA-COLD ATOMIC QUANTUM GASES

Stephanie Reimann, Andreas Wacker, Lund University, Sweden
INF 226 K2/3

STATISTICS FOR PARTICLE AND ASTROPARTICLE EXPERIMENTS

Kyle Cranmer, New York University *INF 227 HS2*

ISOTOPES AND ISOTOPOLOGUES – FROM FUNDAMENTAL PHYSICS TO EVERYDAY APPLICATIONS

Tobias Kluge, Heidelberg University *INF 227 SR 3.403/404*

BEYOND THE STS-MYTH AND JARGON: HOW SCIENCE BUILDS ON SCIENTIFIC REVOLUTIONS, CONVERGENCE, K-RESOURCES DYNAMICS, CORE-CONTEXTS AND FRONTIERS OF THEORY DEVELOPMENT

Giridhari Lal Pandit, University of Delhi *INF 227 SR 1.403*

WATERFALLS IN FINANCE AND ACCOUNTING FOR HEISENBERG

Team d-fine, d-fine, Frankfurt am Main *INF 226 K1*

STUDENT REPRESENTATIVES' WELCOME

(TUESDAY, 17:15–...)

Holger Jörg, Stephan Helmrich *INF 226 K2/3*

ADDITIONAL LECTURE

(WEDNESDAY, 17:30–18:30)

LIGHT SOURCES FOR EUV-MICROLITHOGRAPHY

Michael von Borstel, TRUMPF Lasersystems
for Semiconductor Manufacturing, Ditzingen *INF 227 HS2*

HANS JENSEN INVITED LECTURE

(THURSDAY, 17:30–18:30)

NANOSCOPY WITH FOCUSED LIGHT

Stefan Hell, Max Planck Institute
for Biophysical Chemistry, Göttingen *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

GET-TOGETHER WITH BEER AND PRETZELS (WEDNESDAY, 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 1.401, 1.403, 1.404	Seminar rooms Kirchhoff Institute for Physics 1st floor
INF 227 SR 3.403/404	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.