

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

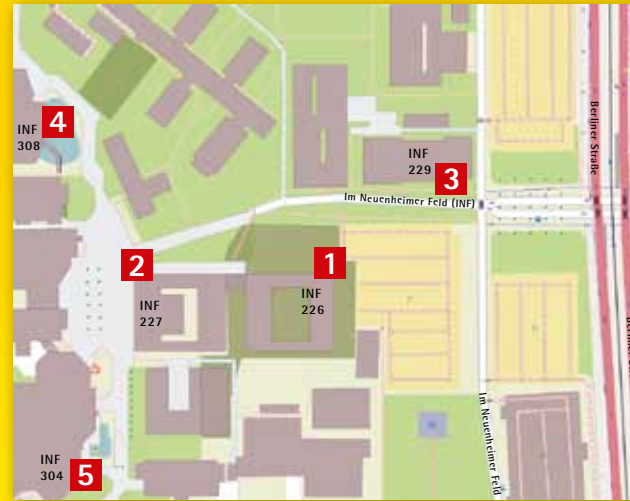
Friday

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

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HGSFP

Heidelberg Graduate School
of Fundamental Physics



XXIX HEIDELBERG PHYSICS GRADUATE DAYS 8 - 12 October, 2012

at the Department of Physics and Astronomy
of Heidelberg University

Programme



Center for
Quantum Dynamics



MAX-PLANCK-INSTITUT
FÜR KERNPHYSIK

McKinsey&Company

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)

»COSMOLOGY: FROM LIGHT TO DARKNESS«

Luca Amendola (Heidelberg University)
Room: INF 226 K2/3

»GALAXY FORMATION AND EVOLUTION«

Gabriella de Lucia (INAF – Astronomical Observatory of Trieste)
Room: INF 227 SR 2.401

»COMPUTATIONAL METHODS IN MODERN (ATOMIC) PHYSICS«

Javier Madroñero (TU München)
Room: INF 227 SR 1.403/1.404

»PHYSICS OF ANTIMATTER AND PRECISION EXPERIMENTS«

Stefan Ulmer and Sven Sturm (CERN, Geneva)
Room: INF 226 K1

»APPLICATIONS OF NMR IN BIOMEDICINE«

Lothar Schad (Heidelberg University)
and Peter Bachert (DKFZ)
Room: INF 227 SR 2.402

»ANALYZING PERSONAL POTENTIAL FOR PROFESSIONALS«

Ute Leidig (Heidelberg University)
Room: INF 227 SR 2.403

Afternoon Courses (14:00–17:00)

»ASPECTS OF INFLATIONARY COSMOLOGY«

Alexander Westphal (DESY, Hamburg)
Room: INF 227 SR 2.401

»MODERN COSMOLOGY WITH X-RAY LUMINOUS CLUSTERS OF GALAXIES«

David Rapetti (DARK Cosmology Centre, Copenhagen)
Room: INF 227 SR 2.402

»CHEMO-DYNAMICAL EVOLUTION OF GALAXIES«

Gerhard Hensler (University of Vienna)
Room: INF 227 SR 2.403

»GAMMA RAY SPECTROSCOPY AND IMAGING«

Stanislav Tashenov (Heidelberg University)
Room: INF 227 SR 1.403/1.404

»QUANTUM CONTROL AND SIMULATION WITH SOLID-STATE NMR«

Chandrasekhar Ramanathan (Dartmouth College, Hanover)
Room: INF 226 K2/3

»CREDIT RISK: MEASUREMENT, VALUATION AND MANAGEMENT«

d-fine (Frankfurt)
Room: INF 226 K1

Additional Lecture (Monday, 17:30–18:30)

»DISSEMINATING PHYSICS: WORKING FOR A SCIENTIFIC PUBLISHER«

Thomas Pattard (Physical Review A and E,
American Physical Society, New York)
Room: INF 227 HS2

HGSFP Annual General Meeting and Student Representatives' Welcome (Tuesday, 17:15–...)

Directorate, HGSFP
Room: INF 226 K2/3

Hans Jensen Invited Lecture (Thursday, 17:30–18:30)

»HOW COSMOLOGY GREW«

P. James E. Peebles (Princeton University)
Room: INF 227 HS1

BREAKS AND EVENTS

Coffee breaks (around 11:00 and 15:30), Foyer, INF 226

Lunch break (12:30–13:30), »Mensa Area A«, 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
INF 227 SR 1.403/ 1.404	Seminar room, Kirchhoff Institute for Physics, 1st floor