

SCHEDULE

Monday

- 08:30-09:30 Registration at
Albert-Ueberle-Str. 3-5,
2nd floor, room 260
- 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
- 17:30- ... 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
Philosophenweg 12,
»Großer Hörsaal«
- 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 Institute of Theoretical Physics, Seminar Room, Philosophenweg 19
- 2 Institute of Theoretical Physics, Library, Philosophenweg 16
- 3 »Physikalisches Institut, »Kleiner Hörsaal«, Philosophenweg 12
- 4 »Physikalisches Institut, »Großer Hörsaal«, Philosophenweg 12
- 5 »Physikalisches Institut, Technical Workshop, Philosophenweg 12
- 6 »Physikalisches Institut, »Neuer Hörsaal«, Albert-Ueberle-Str. 7
- 7 »Physikalisches Institut, Technical Workshop, Philosophenweg 12
- 8 Institute of Theoretical Astrophysics, Albert-Ueberle-Str. 2
- 9 Albert-Ueberle-Str. 1
- 10 Dean's Office, Dept. of Physics and Astronomy, Albert-Ueberle-Str. 3-5
- 11 Central Office, HGSFP, Albert-Ueberle-Str. 3-5
- 12 CIP Pool of the Institute of Psychology, Hauptstr. 47-51

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HGSFP

Heidelberg Graduate School
of Fundamental Physics



XXVI HEIDELBERG PHYSICS GRADUATE DAYS 04. April – 08. April 2011

at the Department of Physics and Astronomy
of the University of Heidelberg

Programme



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REGISTRATION

All participants are requested to register at the conference office on Monday morning between 8:30 and 9:30 a.m. The address is: Albert-Ueberle-Str. 3-5, 2nd floor, room 260 of Mrs. Buchhaupt (+49 6221 549285). 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)

»NON-PERTURBATIVE METHODS IN GAUGE THEORIES«

Dmitry Antonov (Instituto Superior Técnico, Lisbon)
Room: Phil 19 SR

»THE KONDO EFFECT IN NANOSTRUCTURES«

Mikhail Kiselev (Abdus Salam International Centre
for Theoretical Physics, Trieste)
Room: Phil 12 SR

»CLIMATE PHYSICS«

Andreas Hense (Meteorological Institute, University of Bonn)
Room: A-Ue 3-5 FS

»COSMOLOGICAL PERTURBATIONS FOR THE LARGE SCALE STRUCTURE OF THE UNIVERSE: TOWARDS THE TRANSLINEAR FRONTIER«

Massimo Pietroni (University of Padua)
Room: A-Ue 3-5 SR

»NEUTRINOS: FROM THEIR DISCOVERY TO MODERN PUZZLES«

Heather Ray (University of Florida)
Room: Phil 12 gHS

»FROM OPTICAL MOLASSES TO QUANTUM SIMULATORS: PRINCIPLES AND APPLICATIONS OF ULTRA-COLD ATOMS«

Oliver Morsch (University of Pisa)
Room: Phil 12 kHS

Afternoon Courses (14:00–17:00)

»BRAIN-INSPIRED COMPUTING«

Karlheinz Meier (University of Heidelberg)
Room: Phil 12 kHS

»EXTRASOLAR PLANETS«

Florian Rodler/Florian Freistetter
(Institut de Ciències de l'Espai, Barcelona/University of Heidelberg)
Room: Phil 12 SR

»QUANTUM PHYSICS WITHOUT QUANTUM PHILOSOPHY«

Detlef Dürr (Ludwig Maximilian University Munich)
Room: Phil 12 gHS

»ACCELERATED DOMESTICATION OF NATURE (ADN):
RETHINKING DEVELOPMENT BY ECOLOGICAL „OVERSHOOT“«
Giridhari Lal Pandit (University of Delhi)
Room: A-Ue 3-5 FS

»STRATEGIES FOR A SUCCESSFUL DOCTORATE:
PROJECT MANAGEMENT, SOCIAL SKILLS, TIME MANAGEMENT«
Ute Leidig (University of Heidelberg)
Room: A-Ue 3-5 SR

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

»VACUUM TECHNOLOGY IN LOW ENERGY NEUTRINO EXPERI-
MENTS – LEAK TESTING THE *KATRIN* MAIN SPECTROMETER«
Rudolf Konwitschny (Alcatel Hochvakuum Technik GmbH)
Room: Phil 12 gHS

Student representatives' Welcome and Information Evening for new doctoral students (Tuesday, 17:30)

Raoul Haschke and Steffen Wetzel
Room: Phil 12 kHS

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

»ASTROPHYSICAL BLACK HOLES«
Ramesh Narayan (Harvard University)
Room: Phil 12 gHS

BREAKS AND EVENTS

Coffee breaks (around 11:00 and 15:30)

Lunch break (12:30–13:30)

General welcome party (Monday, 18:30–...)

d-fine barbecue (Thursday, 18:30–...)

LEGEND

- Phil 19 SR:** Seminar room
Institute of Theoretical Physics,
Philosophenweg 19
- Phil 12 gHS:** »Großer Hörsaal«
(Great lecture theatre),
1st floor, »Physikalisches Institut«,
Philosophenweg 12
- Phil 12 kHS:** »Kleiner Hörsaal«
(Small lecture theatre),
2nd floor, »Physikalisches Institut«,
Philosophenweg 12
- Phil 12 SR:** Seminar room
3rd floor,
»Physikalisches Institut«,
Philosophenweg 12
- A-Ue 3-5 FS:** »Fakultätssaal«
3rd floor,
»Physikalisches Institut«,
Albert-Ueberle-Str. 3-5
- A-Ue 3-5 SR:** Seminar room
1st floor,
»Physikalisches Institut«,
Albert-Ueberle-Str. 3-5