

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 McKinsey industry lecture
- 18:30- ... McKinsey welcome party

Tuesday

- 09:30-12:30 Morning lectures
- 12:30-13:30 Lunch
- 14:00-17:00 Afternoon lectures

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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Heidelberg Graduate School of Fundamental Physics,
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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, HGSPF, Albert-Ueberle-Str. 3-5
- 12 CIP Pool of the Institute of Psychology, Hauptstr. 47-51



HGSPF

Heidelberg Graduate School
of Fundamental Physics



XXIII HEIDELBERG PHYSICS GRADUATE DAYS

05. October – 09. October 2009

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

Programme

PHOTOGRAPHY, COMPOSITION AND GRAPHIC DESIGN: ANKE HEINZELMANN

SUPPORTED BY



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d fine

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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 54 92 85). 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)

»THE HELIUM SUPERFLUIDS IN THE ZERO-TEMPERATURE LIMIT: THE PERFECT MODEL SYSTEMS«

George Pickett (Lancaster University)
Room: Phil 12 SR

»STRUCTURE FORMATION IN THE UNIVERSE«

Sadegh Khochfar (MPI for Extraterrestrial Physics, Garching)
Room: A-Ue 3-5 SR

»ATTOSECOND FLASHES OF LIGHT: ILLUMINATING ELECTRONIC QUANTUM DYNAMICS«

Thomas Pfeifer (MPI for Nuclear Physics, Heidelberg)
Room: Phil 12 gHS

»PHENOMENOLOGY OF LHC PHYSICS«

Tilman Plehn (University of Heidelberg)
Room: Phil 19 SR

»NONLINEAR HAMILTONIAN DYNAMICS«

Sandro Wimberger (University of Heidelberg)
Room: Phil 12 kHS

»ITER – THE DECISIVE STEPS IN FUSION RESEARCH«

Hardo Bruhns (Université libre de Bruxelles (ULB))
Room: A-Ue 3-5 FS

Afternoon Courses (14:00–17:00)

»SUPERCONDUCTIVITY IN MESOSCOPIC SYSTEMS«

Fabrizio Dolcini (Scuola Normale Superiore and NEST, Pisa)
Room: Phil 12 kHS

»THE ART OF CALORIMETRY«

Erika Garutti (DESY, Hamburg)
Room: A-Ue 3-5 SR

»TOPICS IN STRANGENESS, NUCLEAR AND HADRONIC PHYSICS«

Avraham Gal (Hebrew University, Jerusalem)
Room: Phil 19 SR

»HIGH-ENERGY NUCLEAR COLLISIONS WITH ALICE AT THE LHC«

Kai Schweda, Klaus Reygers (University of Heidelberg)
Room: Phil 12 SR

»RISK IN THE FINANCIAL WORLD«

d-fine Team (d-fine, Frankfurt)
Room: Phil 12 gHS

»STRATEGIES FOR A SUCCESSFUL DOCTORATE: PROJECT MANAGEMENT, SOCIAL SKILLS, TIME MANAGEMENT«

Ute Leidig (University of Heidelberg)
Room: A-Ue 3-5 FS

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

»CLIMATE CHANGE – A STATISTICAL APPROACH TO CLIMATE ADAPTATION IN THE PACIFIC«

Augusto Minatta (McKinsey & Company)
Room: Phil 12 gHS

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

»MAJORANA FERMIONS: FROM ROMANCE TO REALITY«

Frank Wilczek (Massachusetts Institute of Technology)
Room: Phil 12 gHS

BREAKS AND EVENTS

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

Lunch break (12:30–13:30)

McKinsey 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«
(Large 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