

SCHEDULE

Tuesday

- 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

Wednesday

- 09:30-12:30 Morning lectures
- 12:30-13:30 Lunch
- 14:00-17:00 Afternoon lectures
- 17:00- ... Student Representatives' Welcome

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, HGSP, Albert-Ueberle-Str. 3-5
- 12 CIP Pool of the Institute of Psychology, Hauptstr. 47-51

PHOTO: JURGEN PASCH, COMPOSITION AND GRAPHIC DESIGN: ANKE HEINZELMANN



HGSP

Heidelberg Graduate School
of Fundamental Physics



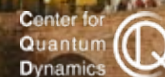
XXVII HEIDELBERG PHYSICS GRADUATE DAYS

04 October – 07 October, 2011

at the Department of Physics and Astronomy
of Heidelberg University

Programme

SUPPORTED BY



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REGISTRATION

All participants are requested to register at the conference office on Tuesday morning between 8:30 and 9:30 a.m. The address is: Albert-Ueberle-Str. 3-5, 2nd floor, room 260, Elisabeth Miller (+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 Tuesday during the lunch break, where you can ask further questions.

PROGRAMME

Morning Courses (9:30–12:30)

»FLAVORFUL MATTER – WHY NOT?«

Gudrun Hiller (University of Dortmund)
Room: Phil 12 SR

»INTRODUCTION TO N=2 SUPERSYMMETRIC GAUGE THEORIES«

Wolfgang Lerche (CERN, Geneva)
Room: Phil 19 SR

»QUANTUM CHAOS APPLICATIONS: FROM SIMPLE MODELS TO QUANTUM COMPUTERS AND GOOGLE MATRIX«

Dima Shepelyansky (University of Toulouse)
Room: Phil 12 kHS

»PHYSICS OF ION TRAPS – HIGH-PRECISION EXPERIMENTS WITH STORED AND COOLED EXOTIC IONS IN PENNING TRAPS«

Klaus Blaum (MPI for Nuclear Physics, Heidelberg)
A-Ue 3-5 SR

»AN INTRODUCTION TO THE SAFETY OF NUCLEAR POWER PLANTS«

Harald Dimmelmeier (AREVA)
Room: Phil 12 gHS

»BASIC PRINCIPLES OF TEACHING AT UNIVERSITY LEVEL«

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

Afternoon Courses (14:00–17:00)

»ASPECTS OF EARLY UNIVERSE COSMOLOGY«

Thorsten Battefeld (University of Göttingen)
Room: Phil 12 gHS

»STRUCTURE AND DYNAMICS OF SOFT MATTER«

Klaus Kroy (University of Leipzig)
Room: Phil 12 SR

»BOSE-EINSTEIN CONDENSATES: AN IDEAL LABORATORY FOR MANY-BODY PHYSICS«

Ofir Alon (University of Haifa)
Room: Phil 19 SR

»INTRODUCTION TO PARTICLE ACCELERATORS, SYNCHROTRON RADIATION AND FREE-ELECTRON LASERS«

Shaukat Khan (University of Dortmund)
Room: Phil 12 kHS

»TUMOR THERAPY WITH ION BEAMS«

Gerhard Kraft, Wilma Kraft-Weyrather (GSI, Darmstadt)
Room: A-Ue 3-5 FS

»D-FINE ON FINANCE«

(d-fine, Frankfurt am Main)
A-Ue 3-5 SR

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

»HOW DOES OIL MOVE THROUGH ROCK?«

Steffen Berg (Royal Dutch Shell)
Room: Phil 12 gHS

Student Representatives' Welcome and Information Evening for new doctoral students (Wednesday, 17:00–...)

Raoul Haschke and Steffen Wetzel
Room: Phil 12 kHS

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

»BETA DECAYS – THEIR ROLE IN PARTICLE PHYSICS«

Vera Lüth (Stanford 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 (Tuesday, 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